EMS for AudioCodes Media Gateways and Servers

EMS Element Management System

OAM Guide for the Mediant 3000 with TP-6310

MEGACO Version 6.6

Document #: LTRT- 32112

AudioCodes

Contents

Notice

This document describes the Provisioning parameters, Performance Monitoring parameters and alarms for the Mediant 3000 product.

Information contained in this document is believed to be accurate and reliable at the time of printing. However, due to ongoing product improvements and revisions, AudioCodes cannot guarantee accuracy of printed material after the Date Published nor can it accept responsibility for errors or omissions. Updates to this document and other documents can be viewed by registered customers at http://www.audiocodes.com/downloads.

Date Published: January-26-2016

Trademarks

WEEE EU Directive

Pursuant to the WEEE EU Directive, electronic and electrical waste must not be disposed of with unsorted waste. Please contact your local recycling authority for disposal of this product.

Customer Support

Customer technical support and services are provided by AudioCodes or by an authorized AudioCodes Service Partner. For more information on how to buy technical support for AudioCodes products and for contact information, please visit our Web site at www.audiocodes.com/support.

Abbreviations and Terminology

Each abbreviation, unless widely used, is spelled out in full when first used.

Document Revision Record

LTRT	Description
32107	Initial document release for Version 6.6.
32112	Update to support provisioning only for products supporting the MEGACO protocol.

This page is intentionally left blank.

1 Introduction

This guide incorporates Provisioning Parameters, Performance Monitoring Parameters and Alarms for the Mediant 3000 TP-6310 product.

This page is intentionally left blank.

2 Provisioning Parameters

The following tables can be used as a reference for the screens, tabs and parameters displayed in the EMS GUI.

Note that with regard to the column 'Type' in the tables in this section, the first line indicates whether the parameter is an integer, string or enumerator. The lines below it indicate the range / possible values that can be configured for the parameter.

Note that all parameters that are of provisioning type Offline (in column 'Provisioning Type') are graphically indicated in the EMS GUI screens by the icon .

The frames described in this section appear in *alphabetical* order.

Online	To configure an 'Online' mode parameter (indicated in the EMS by the icon adjacent to the parameter), you need to lock *only the entity containing the parameter*. *You do not need to lock the board/media gateway* containing the entity. The mode is called '**Online**' because the parameter can be configured without resetting any board in the media gateway.
Offline	To configure an 'Offline' mode parameter (indicated in the EMS by the icon adjacent to the parameter), you need to lock the board/media gateway containing the entity as well as the entity in order to configure the entity's parameter. The mode is called 'Offline' because all calls active on the board/media gateway containing the entity's parameter are dropped when you lock the board/media gateway and entity in order to configure the parameter.
Instant	An 'Instant' mode parameter can be configured on the fly; the configuration takes effect immediately. No icon is displayed adjacent to the parameter in the EMS GUI. No locking or unlocking of the entity or of the board/media gateway is required to perform the configuration.
Offline_create	'Offline_create' will sometimes appear as 'Online' and at other times as 'Offline', depending on the user's specific configuration.
Instant_apply	From the EMS user's point of view, 'Instant_apply' is identical to 'Instant'.

2.1 Frame: Bandwidth Management

2.1.1 Tab: Bandwidth Management

Frame: Bandwidth Management, Tab: Bandwidth Management

Parameter Name	Type	Provisioning Type	Default Value	Description
Rule Action	Enum: reportOnly(0), noMoreCalls(1), lbrCalls(2), ptimeMul2(3), ptimeMul4(4), noAction(5)	Instant	0	Rule Action Mib name: acBandwidthManagementRuleAction INI Name: BWMANAGEMENT_RULEACTION Profile name: Bandwidth Management Profile
Threshold	Integer 0-4294967295	Instant	0	Threshold Mib name: acBandwidthManagementThreshold INI Name: BWMANAGEMENT_THRESHOLD Profile name: Bandwidth Management Profile
Hysteresis	Integer 0-4294967295	Instant	0	Hysteresis Mib name: acBandwidthManagementHysteresis INI Name: BWMANAGEMENT_HYSTERESIS Profile name: Bandwidth Management Profile

2.2 Frame: CLI Terminals Provisioning

2.2.1 Tab: CLI Terminals Provisioning

Frame: CLI Terminals Provisioning, Tab: CLI Terminals Provisioning

Parameter Name	Type	Provisioning Type	Default Value	Description
Telnet & SSH				
Server Enable	Enum: disable(0), enable(1), ssl(2)	Instant	0	Enables or disables the embedded Telnet server. Telnet is disabled by default for security reasons. 0 = Disable 1= Enable 2 = SSL mode (if available - requires an SSL-aware Telnet client software) SSL mode is not available on the MP-108 / MP-124 media gateways Mib name: acSysTelnetServerEnable INI Name: TELNETSERVERENABLE Profile name: Digital CLI Terminals Profile
Server Port	Integer 0-65535	Online	23	Defines the port number for the embedded Telnet server. Range = Valid port number Mib name: acSysTelnetServerPort INI Name: TELNETSERVERPORT Profile name: Digital CLI Terminals Profile
Server Idle Disconnect	Integer 0-2147483647	Offline	0	This parameter is used to set the timeout for disconnection of an idle Telnet session (minutes). When set to zero, idle sessions are not disconnected. Range: Any number Mib name: acSysTelnetServerIdleDisconnect INI Name: TELNETSERVERIDLEDISCONNECT Profile name: Digital CLI Terminals Profile
SSH Server Port	Integer 0-65535	Online	22	Defines the port number for the embedded SSH server. Range = Valid port number Mib name: acSysTelnetSSHServerPort INI Name: SSHSERVERPORT Profile name: Digital CLI Terminals Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
SSH Server Enable	Enum: Disable(0), Enable(1)	Online	0	Enables or disables the embedded SSH server. 0 = Disable 1= Enable Mib name: acSysTelnetSSHServerEnable INI Name: SSHSERVERENABLE Profile name: Digital CLI Terminals Profile
SSH Admin Key	String Up to 510 chars.	Instant		This parameter holds an RSA public key for strong authentication to the SSH interface (if enabled). The value should be a base64-encoded string; see the Security appendix for additional information. Mib name: acSysTelnetSSHAdminKey INI Name: SSHADMINKEY Profile name: Digital CLI Terminals Profile
SSH Require Public Key	Enum: Disable(0), Enable(1)	Instant	0	Enables or disables RSA public keys in SSH. When set to 0, RSA public keys are optional (if SSHAdminKey is set). When set to 1, RSA public keys are mandatory. Mib name: acSysTelnetSSHRequirePublicKey INI Name: SSHREQUIREPUBLICKEY Profile name: Digital CLI Terminals Profile
Telnet SSH Max Sessions	Integer 1-2	Online	2	Configure maximum allowed number of SSH sessions. Mib name: acSysTelnetSSHMaxSessions INI Name: SSHMAXSESSIONS Profile name: Digital CLI Terminals Profile
SSH Max Payload Size	Integer 550-32768	Online	32768	Configure maximum uncompressed payload size for SSH packets, in bytes. Mib name: acSysTelnetSSHMaxPayloadSize INI Name: SSHMAXPAYLOADSIZE Profile name: Digital CLI Terminals Profile
SSH Max Binary Packet Size	Integer 582-35000	Online	35000	Configure maximum packet size for SSH packets, in bytes. Mib name: acSysTelnetSSHMaxBinaryPacketSize INI Name: SSHMAXBINARYPACKETSIZE Profile name: Digital CLI Terminals Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Serial IF				
Baud Rate	Enum: r1200(1200), r2400(2400), r4800(4800), r9600(9600), r14400(14400), r19200(19200), r38400(38400), r57600(57600), r115200(115200)	Offline	9600	Enables changes to the Serial Baud Rate for Simplified Message Desk Interface (SMDI). Standard values: 1200, 2400, 9600, 14400, 19200, 38400, 57600, 115200. Mib name: acSysSerialIFBaudRate INI Name: SERIALBAUDRATE Profile name: Digital CLI Terminals Profile
Data	Integer 7-8	Offline	8	Changes the serial data bit for the Simplified Message Desk Interface (SMDI). 7 = 7 Bit 8 = 8 Bit Mib name: acSysSerialIFData INI Name: SERIALDATA Profile name: Digital CLI Terminals Profile
Parity	Enum: none(0), odd(1), even(2)	Offline	0	Changes the serial parity for the Simplified Message Desk Interface (SMDI). 0 = None 1 = Odd 2 = Even Mib name: acSysSerialIFParity INI Name: SERIALPARITY Profile name: Digital CLI Terminals Profile
Stop	Integer 1-2	Offline	1	Changes the serial stop for the Simplified Message Desk Interface (SMDI). 1 = 1 Bit 2 = 2 Bit Mib name: acSysSerialIFStop INI Name: SERIALSTOP Profile name: Digital CLI Terminals Profile
Flow Control	Enum: none(0), hardware(1)	Offline	0	Changes the serial flow control for the Simplified Message Desk Interface (SMDI). 0 = None 1 = Hardware Mib name: acSysSerialIFFlowControl INI Name: SERIALFLOWCONTROL Profile name: Digital CLI Terminals Profile

2.3 Frame: Control Interface Provisioning

2.3.1 Tab: Control Interface Settings

Frame: Control Interface Provisioning, Tab: Control Interface Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Virtual GW Name	String Up to 17 chars.	Offline		The descriptive name of the Virtual GW. Mib name: acVGWConfigurationVirtualGWName INI Name: MEGACOGTWCONFIGURATIONTABLE_VIRTUALGWNAME Profile name: Not Profiled
IPv4 Interface Name	String Up to 15 chars.	Offline		Define the pointer (Interface Name) to network Interface Table for IP version 4 address interface name. Mib name: acVGWConfigurationIPv4InterfaceName INI Name: MEGACOGTWCONFIGURATIONTABLE_IPV4INTERFACENAME Profile name: Not Profiled
Local Port	Integer 0-65535	Offline	0	Define the port to be used by the Media Gateway Controller to communicate with this Virtual GW. The value 0 mean select default port according to encoding method. Mib name: acVGWConfigurationLocalPort INI Name: MEGACOGTWCONFIGURATIONTABLE_LOCALPORT Profile name: Not Profiled
Associated Members List	String Up to 64 chars.	Offline		Defines the list of the Trunks/Interfaces. coma and range can be used. Mib name: acVGWConfigurationAssociatedMembersList INI Name: MEGACOGTWCONFIGURATIONTABLE_ASSOCIATEDMEMBERSLIST Profile name: Not Profiled
Service Change Profile	String Up to 64 chars.	Offline		Define the service change profile. Mib name: acVGWConfigurationServiceChangeProfile INI Name: MEGACOGTWCONFIGURATIONTABLE_SERVICECHANGEPROFILE Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Megaco Version	Enum: MegacoVersion1(1), MegacoVersion2(2), MegacoVersion3(3)	Offline	1	Megaco Version. Mib name: acVGWConfigurationMegacoVersion INI Name: MEGACOGTWCONFIGURATIONTABLE_MEGACOVERSION Profile name: Not Profiled
MID	String Up to 68 chars.	Offline		Define the Virtual GW Message Identifier. Mib name: acVGWConfigurationMID INI Name: MEGACOGTWCONFIGURATIONTABLE_MID Profile name: Not Profiled
Media Realm Name	String Up to 38 chars.	Offline		Define the default media realm name (pointer to media realm table). Mib name: acVGWConfigurationMediaRealmName INI Name: MEGACOGTWCONFIGURATIONTABLE_MEDIAREALMNAME Profile name: Not Profiled
Load Weight	Integer 1-5	Offline	1	Define the weight of the VGW out of the total load. VGW with higher values process more messages. Mib name: acVGWConfigurationLoadWeight INI Name: MEGACOGTWCONFIGURATIONTABLE_LOADWEIGHT Profile name: Not Profiled

2.4 Frame: Control Interfaces Parameters Provisioning

2.4.1 Tab: Control Interfaces

Frame: Control Interfaces Parameters Provisioning, Tab: Control Interfaces

Parameter Name	Type	Provisioning Type	Default Value	Description
Virtual GW Name	String Up to 17 chars.	Offline		The descriptive name of the Virtual GW. Mib name: acVGWConfigurationVirtualGWName INI Name: MEGACOGTWCONFIGURATIONTABLE_VIRTUALGWNAME Profile name: Not Profiled
IPv4 Interface Name	String Up to 15 chars.	Offline		Define the pointer (Interface Name) to network Interface Table for IP version 4 address interface name. Mib name: acVGWConfigurationIPv4InterfaceName INI Name: MEGACOGTWCONFIGURATIONTABLE_IPV4INTERFACENAME Profile name: Not Profiled
Local Port	Integer 0-65535	Offline	0	Define the port to be used by the Media Gateway Controller to communicate with this Virtual GW. The value 0 mean select default port according to encoding method. Mib name: acVGWConfigurationLocalPort INI Name: MEGACOGTWCONFIGURATIONTABLE_LOCALPORT Profile name: Not Profiled
Associated Members List	String Up to 64 chars.	Offline		Defines the list of the Trunks/Interfaces. coma and range can be used. Mib name: acVGWConfigurationAssociatedMembersList INI Name: MEGACOGTWCONFIGURATIONTABLE_ASSOCIATEDMEMBERSLIST Profile name: Not Profiled
Service Change Profile	String Up to 64 chars.	Offline		Define the service change profile. Mib name: acVGWConfigurationServiceChangeProfile INI Name: MEGACOGTWCONFIGURATIONTABLE_SERVICECHANGEPROFILE Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Megaco Version	Enum: Megaco Version1 (1), Megaco Version2 (2), Megaco Version3 (3)	Offline	1	Megaco Version. Mib name: acVGWConfigurationMegacoVersion INI Name: MEGACOGTWCONFIGURATIONTABLE_MEGACOVERSION Profile name: Not Profiled
MID	String Up to 68 chars.	Offline		Define the Virtual GW Message Identifier. Mib name: acVGWConfigurationMID INI Name: MEGACOGTWCONFIGURATIONTABLE_MID Profile name: Not Profiled
Media Realm Name	String Up to 38 chars.	Offline		Define the default media realm name (pointer to media realm table). Mib name: acVGWConfigurationMediaRealmName INI Name: MEGACOGTWCONFIGURATIONTABLE_MEDIAREALMNAME Profile name: Not Profiled
Load Weight	Integer 1-5	Offline	1	Define the weight of the VGW out of the total load. VGW with higher values process more messages. Mib name: acVGWConfigurationLoadWeight INI Name: MEGACOGTWCONFIGURATIONTABLE_LOADWEIGHT Profile name: Not Profiled

2.5 Frame: Controller Link Provisioning

2.5.1 Tab: Controller Link Settings

Frame: Controller Link Provisioning, Tab: Controller Link Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
MGC Address Format	Enum: IPv4(0), IPv6(1), DNS(2)	Offline	0	Define the Define the format of the MGC address (IPv4, IPv6, DNS). Mib name: acVGWControllerLinkMGCAddressFormat INI Name: MEGACOGTWCONTROLLERLINKTABLE_MGCADDRESSFORMAT Profile name: Not Profiled
MG Controller Address	String Up to 64 chars.	Offline		The domain name or IP address of the MG Controller. If a domain name is provided, then a DNS server must be configured. Mib name: acVGWControllerLinkMGControllerAddress INI Name: MEGACOGTWCONTROLLERLINKTABLE_MGCONTROLLERADDRESS Profile name: Not Profiled
MG Controller Port	Integer 0-65535	Offline	0	The port number MG Controller is listening for. 0 mean select default port according to encoding method Mib name: acVGWControllerLinkMGControllerPort INI Name: MEGACOGTWCONTROLLERLINKTABLE_MGCONTROLLERPORT Profile name: Not Profiled
Transport Type	Enum: UdpIP(0), TcpIP(1), SctpIP(2)	Offline	0	Define the signaling transport type to be used for communication with this MGC Mib name: acVGWControllerLinkTransportType INI Name: MEGACOGTWCONTROLLERLINKTABLE_TRANSPORTTYPE Profile name: Not Profiled

2.6 Frame: DS3 Parameters Provisioning

2.6.1 Tab: DS3 General Info

Frame: DS3 Parameters Provisioning, Tab: DS3 General Info

Parameter Name	Type	Provisioning Type	Default Value	Description
DS3 Line Type	Enum: DS3M23(2), DS3CbitParity(4)	Instant	2	This variable indicates the variety of DS3 C-bit or E3 application implementing this interface. The type of interface affects the interpretation of the usage and error statistics. The rate of DS3 is 44.736 Mbps and E3 is 34.368 Mbps. The dsx3ClearChannel value means that the C-bits are not used except for sending/receiving AIS. The values, in sequence, describe: TITLE: SPECIFICATION: dsx3M23 ANSI T1.107-1988 dsx3SYNTRAN ANSI T1.107-1988 dsx3CbitParity ANSI T1.107a-1990 dsx3ClearChannel ANSI T1.102-1987 e3Framed CCITT G.751 e3Plcp ETSI T/NA(91)18 dsx3M13 ANSI T1.107a-1990. Mib name: dsx3LineType Profile name: Digital DS3 Profile
DS3 Line Coding	Enum: DS3B3ZS(2)	Instant	2	This variable describes the variety of Zero Code Suppression used on this interface, which in turn affects a number of its characteristics. dsx3B3ZS and e3HDB3 refer to the use of specified patterns of normal bits and bipolar violations which are used to replace sequences of zero bits of a specified length. Mib name: dsx3LineCoding Profile name: Digital DS3 Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
DS3 Send Code	Enum: DS3SendNoCode(1)	Instant	1	This variable indicates what type of code is being sent across the DS3/E3 interface by the device. (These are optional for E3 interfaces.) Setting this variable causes the interface to begin sending the code requested. The values mean: dsx3SendNoCode sending looped or normal data dsx3SendLineCode sending a request for a line loopback dsx3SendPayloadCode sending a request for a payload loopback (i.e., all DS1/E1s in a DS3/E3 frame) dsx3SendResetCode sending a loopback deactivation request dsx3SendDS1LoopCode requesting to loopback a particular DS1/E1 within a DS3/E3 frame. The DS1/E1 is indicated in dsx3Ds1ForRemoteLoop. dsx3SendTestPattern sending a test pattern Mib name: dsx3SendCode Profile name: Digital DS3 Profile
DS3 Circuit Identifier	String Up to 255 chars	Instant	1	This variable contains the transmission vendor's circuit identifier, for the purpose of facilitating troubleshooting. Mib name: dsx3CircuitIdentifier Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
DS3 Loopback Config	Enum: DS3NoLoop(1), DS3LineLoop(3), DS3InwardLoop(5)	Instant	1	This variable represents the desired loopback configuration of the DS3/E3 interface. The values mean: dsx3NoLoop Not in the loopback state. A device that is not capable of performing a loopback on the interface shall always return this as its value. dsx3PayloadLoop The received signal at this interface is looped through the device. Typically the received signal is looped back for retransmission after it has passed through the device's framing function. dsx3LineLoop The received signal at this interface does not go through the device (minimum penetration) but is looped back out. dsx3OtherLoop Loopbacks that are not defined here. dsx3InwardLoop The sent signal at this interface is looped back through the device. dsx3DualLoop Both dsx1LineLoop and dsx1InwardLoop will be active simultaneously. Mib name: dsx3LoopbackConfig Profile name: Digital DS3 Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
DS3 Transmit Clock Source	Enum: LOOP_TIMING(1), LOCAL_TIMING(2)	Instant	1	The source of Transmit Clock. loopTiming indicates that the recovered receive clock is used as the transmit clock. localTiming indicates that a local clock source is used or that an external clock is attached to the box containing the interface. throughTiming indicates that transmit clock is derived from the recovered receive clock of another DS3 interface. Mib name: dsx3TransmitClockSource Profile name: Digital DS3 Profile
DS3 Line Length	Integer 0-64000	Instant	1	The length of the ds3 line in meters. This object provides information for line build out circuitry if it exists and can use this object to adjust the line build out. Mib name: dsx3LineLength Profile name: Digital DS3 Profile
DS3 Line Status Change Trap Enable	Enum: ENABLED(1), DISABLED(2)	Instant	1	Indicates whether dsx3LineStatusChange traps should be generated for this interface. Mib name: dsx3LineStatusChangeTrapEnable Profile name: Digital DS3 Profile
DS3 Channelization	Enum: DISABLED_DS1(2)	Instant	2	Indicates whether this ds3/e3 is channelized or unchannelized. The value of enabledDs1 indicates that this is a DS3 channelized into DS1s. The value of enabledDs3 indicated that this is a DS3 channelized into DS2s. Setting this object will cause the creation or deletion of DS2 or DS1 entries in the ifTable. Mib name: dsx3Channelization Profile name: Digital DS3 Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
DS3 Ds1 For Remote Loop	Integer 0-29	Read-Only	1	Indicates which DS1/E1 on this DS3/E3 will be indicated in the remote ds1 loopback request. A value of 0 means no DS1 will be looped. A value of 29 means all DS1s/E1s will be looped. Mib name: dsx3Ds1ForRemoteLoop Profile name: Not Profiled

2.7 Frame: Global Settings

2.7.1 Tab: General Settings

Frame: Global Settings, Tab: General Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
B Channel Alarms	Enum: disable(0), enable(1)	Offline	0	When set to 1 B-Channels Alarms will be sent. Mib name: acTrunkGlobalBChannelAlarms INI Name: BCHANNELALARMS Profile name: Global Settings Profile

2.8 Frame: Media Provisioning

2.8.1 Tab: General Settings

Frame: Media Provisioning, Tab: General Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Index	Integer 0-1	NA	0	Entry number in the table. Mib name: acMediaDspIndex INI Name: DSPTEMPLATES_INDEX Profile name: Not Profiled
Media Aggregation				
Row Status	Enum:	NA	0	ROWSTATUS field for line. Internal parameter. Mib name: acMediaDspRowStatus Profile name: Digital VoP Media DSP Table Profile
Remote Base UDP Port	Integer 0-65535	Offline	0	Remote Base UDP Port For Aggrigation Mib name: acMediaAggregationRemoteBaseUDPPort INI Name: REMOTEBASEUDPPORT Profile name: Digital VoP Media Profile
Template Number	Integer 0-16	Offline	0	DSP template number. Mib name: acMediaDspTemplateNumber INI Name: DSPTEMPLATES_DSPTEMPLATENUMBER Profile name: Digital VoP Media DSP Table Profile
DSP				
Resources Percentage	Integer 0-100	Offline	0	Percentage use for the specified template. Mib name: acMediaDspResourcesPercentage INI Name: DSPTEMPLATES_DSPRESOURCESPERCENTAGE Profile name: Digital VoP Media DSP Table Profile
Version Template Number	Integer 0-255	Offline	0	Selects the DSP load number. Each load has a different coder list, a different channel capacity and different features supported. Range = 0 to 255 Mib name: acMediaDSPConfigVersionTemplateNumber INI Name: DSPVERSIONTEMPLATENUMBER Profile name: Digital VoP Media Profile
Media Realm				

Parameter Name	Type	Provisioning Type	Default Value	Description
Default Realm Name	String Up to 39 chars.	Offline		By default, the default CP media realm is the first realm appearing in the CP media realm table. The parameter enables the user to set any of the realms appearing in the table as the default realm. Mib name: acCPMediaDefaultRealmName INI Name: CPDEFAULTMEDIAREALMNAME Profile name: Digital VoP Media Profile

2.8.2 Tab: Voice Settings

Frame: Media Provisioning, Tab: Voice Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Jitter Buffer				
Minimal Delay (ms)	Integer 0-150	Online	0	Defines the Dynamic Jitter Buffer Minimum Delay (in msec). Recommended value for a regular voice call is 10. Mib name: acJitterBufferMinDelay INI Name: DJBUFMINDELAY Profile name: Digital VoP Media Profile
Opt Factor	Integer 0-13	Online	0	Defines the Dynamic Jitter Buffer frame error/delay optimization. Recommended value for a regular voice call is 10. Mib name: acJitterBufferOptFactor INI Name: DJBUFOPTFACTOR Profile name: Digital VoP Media Profile
General Settings				
Volume (dB)	Integer -32-31	Online	-32	Defines the voice output gain control. Range: -32 dB to +31 dB in 1 dB steps -32 = mute Default = 0 = No Gain Mib name: acVoiceVolume INI Name: VOICEVOLUME Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Payload Format	Enum: VoicePayloadFormatRTP(0), VoicePayloadFormatATM(1)	Online	0	Sets the voice payload format. Choose either 0 = RTP or 1 = ATM (which enables working with vendors that use G.726 ATM Payload Format over RTP. Uses the enum acTVoicePayloadFormat. 0 = VoicePayloadFormatRTP 1 = VoicePayloadFormatATM 2 = VoicePAyloadFormatIllegal Mib name: acVoicePayloadFormat INI Name: VOICEPAYLOADFORMAT Profile name: Digital VoP Media Profile
Input Gain (dB)	Integer -32-31	Online	-32	Defines the PCM input gain. Range = -32 dB to +31 dB in 1 dB steps. Default = No Gain Mib name: acVoiceInputGain INI Name: INPUTGAIN Profile name: Digital VoP Media Profile
Echo Canceller Enable	Enum: Disable(0), Enable(1)	Online	0	Enables or disables the Echo Canceller. 0 = Disable 1 = Enable Mib name: acVoiceECEnable INI Name: ENABLEECHOCANCELLER Profile name: Digital VoP Media Profile
Echo Canceller Hybrid Loss	Enum: ECHybridLoss6DBM(0), ECHybridLoss0DBM(2), ECHybridLoss3DBM(3)	Online	0	Sets the worst case ratio between the signal level transmitted to the hybrid and the echo level returning from hybrid. Set this per worst hybrid in the system in terms of echo return loss. Refer to the enumeration acTECHybridLoss. 0 = 6 dBm 2 = 0 dBm 3 = 3 dBm Mib name: acVoiceECHybridLoss INI Name: ECHYBRIDLOSS Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Tone Detector	Enum: Disable(0), Enable(1)	Online	0	Used to configure the Echo Canceler Tone Detector. Detects a 2100 Hz tone at the input signal to the TDM (received signal). Improves Echo Canceler operation accordingly. Detects 2100, 2100 with phase reversals and 2100 with AM. Improves the operation of the Echo Canceler by slowing adaptation when the signal is detected. This data is also used by the fax state machine. 0 = Disable 1 = Enable Mib name: acVoiceECToneDetector INI Name: ECENABLETONEDETECTOR Profile name: Digital VoP Media Profile
Comfort Noise Generation	Enum: Disable(0), Enable(1)	Online	0	Use this parameter to enable or enable Echo Canceler Comfort Noise Generation, which generates comfort noise when the Non Linear Processor (NLP) is active. When the NLP ascertains that the signal is echo and not doubletalk and decides to clip, instead of transmitting silence it transmits a synthesized signal similar to the background noise. 0 = Disable 1 = Enable Mib name: acVoiceECComfortNoiseGeneration INI Name: ECENABLECOMFORTNOISEGENERATION Profile name: Digital VoP Media Profile
Silence Compression Mode	Enum: SILENCE-COMPRESION-DISABLE(0), SILENCE-COMPRESION-ENABLE(1), SILENCE-COMPRESION-ENABLE-NOISE-ADAPTATION-DISABLE(2)	Online	0	Enables or disables Silence Suppression Mode. 0 = Disable = SILENCE_COMPRESION_DISABLE 1 = Enable = SILENCE_COMPRESION_ENABLE 2 = Enable without adaptation = SILENCE_COMPRESION_ENABLE_NOISE_ADAPTATION_DISABLE Mib name: acVoiceSCMode INI Name: ENABLESILENCECOMPRESSION Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Automatic Gain Control				
AGC Enable	Enum: Disable(0), Enable(1)	Online	0	Activates the AGC (Automatic Gain Control). 0 = Disable 1 = Enable Mib name: acVoiceAGCEnable INI Name: ENABLEAGC Profile name: Digital VoP Media Profile
Gain Slope	Integer 0-31	Online	0	Determines the AGC (Automatic Gain Control) convergence rate. Range = 0 to 31 (according to acTAGCGainSlope) Default = 3 (= 1 db/sec) Mib name: acVoiceAGCGainSlope INI Name: AGCGAINSLOPE Profile name: Digital VoP Media Profile
Redirection	Integer 0-1	Online	0	Determines the AGC (Automatic Gain Control) direction. 0 = AGC works on signals from the TDM side 1 = AGC works on signals coming from the Network side Mib name: acVoiceAGCRedirection INI Name: AGCREDIRECTION Profile name: Digital VoP Media Profile
Target Energy	Integer 0-63	Online	0	Determines the signal energy value [-dBm] that the AGC (Automatic Gain Control) attempts to attain. Range = 0 to 63 Mib name: acVoiceAGCTargetEnergy INI Name: AGCTARGETENERGY Profile name: Digital VoP Media Profile
Minimal Gain (dB)	Integer 0-31	Offline	20	Defines the minimum gain by the AGC when activated [- db]. Range = 0 to -31 Mib name: acVoiceAGCMinGain INI Name: AGCMINGAIN Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Maximal Gain (dB)	Integer 0-18	Offline	15	Defines the maximum gain by the AGC when activated [db]. Range = 0 to 18 Mib name: acVoiceAGCMaxGain INI Name: AGCMAXGAIN Profile name: Digital VoP Media Profile
Disable Fast Adaptation	Enum: Disable(0), Enable(1)	Offline	0	Disables the AGC Fast Adaptation mode. Enable = 1 Disable = 0 Mib name: acVoiceAGCDisableFastAdaptation INI Name: AGCDISABLEFASTADAPTATION Profile name: Digital VoP Media Profile
Coders				
EVRC	Enum: variableRate(0), ac1kbps(1), ac4kbps(2), ac8kbps(3)	Online	1	This parameter is used to configure the EVRC coder bit rate. 0 = Variable Rate 1 = 1 kbps 2 = 4 kbps 3 = 8 kbps Mib name: acVoiceCoderRateEVRC INI Name: EVRCRATE Profile name: Digital VoP Media Profile
QCELP8	Enum: variableRate(0), ac1kbps(1), ac2kbps(2), ac4kbps(3), ac8kbps(4)	Online	1	This parameter is used to configure the QCELP8 coder bit rate. 0 = Variable Rate 1 = 1 kbps 2 = 2 kbps 3 = 4 kbps 4 = 8 kbps Mib name: acVoiceCoderRateQCELP8 INI Name: QCELP8RATE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
QCELP13	Enum: variableRate(0), ac1kbps(1), ac3kbps(2), ac7kbps(3), ac13kbps(4)	Online	1	This parameter is used to configure the QCELP13 coder bit rate. 0 = Variable Rate 1 = 1 kbps 2 = 3 kbps 3 = 7 kbps 4 = 13 kbps Mib name: acVoiceCoderRateQCELP13 INI Name: QCELP13RATE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
G729 EV Max Bit Rate	Enum: G729EV-RATE-8-KBPS (0), G729EV-RATE-12-KBPS (1), G729EV-RATE-14-KBPS (2), G729EV-RATE-16-KBPS (3), G729EV-RATE-18-KBPS (4), G729EV-RATE-20-KBPS (5), G729EV-RATE-22-KBPS (6), G729EV-RATE-24-KBPS (7), G729EV-RATE-26-KBPS (8), G729EV-RATE-28-KBPS (9), G729EV-RATE-30-KBPS (10), G729EV-RATE-32-KBPS (11), G729EV-RATE-UNDEFINED (15)	Online	0	Determines the maximum generation bitrate for all participants in a session using G729EV coder. This parameter is defined per session and is equal for all the parties. The initial generation bit rate is the minimum between the MaxBitRate and the MBS values. Possible values are: 0 = G729EV_RATE_8_KBPS 1 = G729EV_RATE_12_KBPS 2 = G729EV_RATE_14_KBPS 3 = G729EV_RATE_16_KBPS 4 = G729EV_RATE_18_KBPS 5 = G729EV_RATE_20_KBPS 6 = G729EV_RATE_22_KBPS 7 = G729EV_RATE_24_KBPS 8 = G729EV_RATE_26_KBPS 9 = G729EV_RATE_28_KBPS 10 = G729EV_RATE_30_KBPS 11 = G729EV_RATE_32_KBPS 15 = G729EV_RATE_UNDEFINED Mib name: acVoiceCoderRateG729EVMaxBitRate INI Name: G729EVMAXBITRATE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
G729 EV Local MBS	Enum: G729EV-RATE-8-KBPS (0), G729EV-RATE-12-KBPS (1), G729EV-RATE-14-KBPS (2), G729EV-RATE-16-KBPS (3), G729EV-RATE-18-KBPS (4), G729EV-RATE-20-KBPS (5), G729EV-RATE-22-KBPS (6), G729EV-RATE-24-KBPS (7), G729EV-RATE-26-KBPS (8), G729EV-RATE-28-KBPS (9), G729EV-RATE-30-KBPS (10), G729EV-RATE-32-KBPS (11), G729EV-RATE-UNDEFINED (15)	Online	0	Determines the maximal bitrate, which may be used by the G729EV coder at a specific channel. This parameter is defined per channel and may vary between the parties. The initial generation bit rate is the minimum between the MaxBitRate and the MBS values. Possible values are: 0 = G729EV_RATE_8_KBPS 1 = G729EV_RATE_12_KBPS 2 = G729EV_RATE_14_KBPS 3 = G729EV_RATE_16_KBPS 4 = G729EV_RATE_18_KBPS 5 = G729EV_RATE_20_KBPS 6 = G729EV_RATE_22_KBPS 7 = G729EV_RATE_24_KBPS 8 = G729EV_RATE_26_KBPS 9 = G729EV_RATE_28_KBPS 10 = G729EV_RATE_30_KBPS 11 = G729EV_RATE_32_KBPS 15 = G729EV_RATE_UNDEFINED Mib name: acVoiceCoderRateG729EVLocalMBS INI Name: G729EVLOCALMBS Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
G729 EV Receive MBS	Enum: G729EV-RATE-8-KBPS (0), G729EV-RATE-12-KBPS (1), G729EV-RATE-14-KBPS (2), G729EV-RATE-16-KBPS (3), G729EV-RATE-18-KBPS (4), G729EV-RATE-20-KBPS (5), G729EV-RATE-22-KBPS (6), G729EV-RATE-24-KBPS (7), G729EV-RATE-26-KBPS (8), G729EV-RATE-28-KBPS (9), G729EV-RATE-30-KBPS (10), G729EV-RATE-32-KBPS (11), G729EV-RATE-UNDEFINED (15)	Online	0	Determines the value of the MBS field of the G729EV frames to be sent to the other party. This parameter reflects the maximum bit rate, which the local G729EV supports as a receiver. Possible values are: 0 = G729EV_RATE_8_KBPS 1 = G729EV_RATE_12_KBPS 2 = G729EV_RATE_14_KBPS 3 = G729EV_RATE_16_KBPS 4 = G729EV_RATE_18_KBPS 5 = G729EV_RATE_20_KBPS 6 = G729EV_RATE_22_KBPS 7 = G729EV_RATE_24_KBPS 8 = G729EV_RATE_26_KBPS 9 = G729EV_RATE_28_KBPS 10 = G729EV_RATE_30_KBPS 11 = G729EV_RATE_32_KBPS 15 = G729EV_RATE_UNDEFINED Mib name: acVoiceCoderRateG729EVReceiveMBS INI Name: G729EVRECEIVEMBS Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Microsoft RTA Forward Error Correction Mode	Enum: disable(0), enable(1)	Online	1	Determines the Microsoft RTA coder forward error correction mode. 0 - Disable. 1 - Enable. Mib name: acVoiceCoderRateMsRtaForwardErrorCorrectionEnable INI Name: MSRTAFORWARDERRORCORRECTIONENABLE Profile name: Digital VoP Media Profile
Microsoft RTA Bit Rate	Integer 0-29000	Online	0	Determines the Microsoft RTA coder TX bit rate. 0 - Automatic. Any value between 8,800 - 29,000. Mib name: acVoiceCoderRateMsRtaTxBitRate INI Name: MSRTATXBITRATE Profile name: Digital VoP Media Profile
Speex NB Bit Rate	Enum: CE-SPEEX-NB-RATE-2-15-KBPS(1), CE-SPEEX-NB-RATE-5-95-KBPS(2), CE-SPEEX-NB-RATE-8-00-KBPS(3), CE-SPEEX-NB-RATE-11-0-KBPS(4), CE-SPEEX-NB-RATE-15-0-KBPS(5), CE-SPEEX-NB-RATE-18-2-KBPS(6), CE-SPEEX-NB-RATE-24-6-KBPS(7), CE-SPEEX-NB-RATE-3-95-KBPS(8)	Instant	3	Determines the bitrate of Speex NB coder. Mib name: acVoiceCoderRateSpeexNBBitRate INI Name: SPEEXNBBITRATE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Speex WB Bit Rate	Enum: CE-SPEEX-WB-RATE-3-95-KBPS(0), CE-SPEEX-WB-RATE-5-75-KBPS(1), CE-SPEEX-WB-RATE-7-75-KBPS(2), CE-SPEEX-WB-RATE-9-80-KBPS(3), CE-SPEEX-WB-RATE-12-8-KBPS(4), CE-SPEEX-WB-RATE-16-8-KBPS(5), CE-SPEEX-WB-RATE-20-6-KBPS(6), CE-SPEEX-WB-RATE-23-8-KBPS(7), CE-SPEEX-WB-RATE-27-8-KBPS(8), CE-SPEEX-WB-RATE-34-2-KBPS(9), CE-SPEEX-WB-RATE-42-2-KBPS(10)	Instant	8	Determines the bitrate of Speex WB coder. Mib name: acVoiceCoderRateSpeexWBBitRate INI Name: SPEEXWBBITRATE Profile name: Digital VoP Media Profile
VBR Coder DTX Min	Integer 0-20000	Online	0	Defines the minimum number of frames gap between two SID frames, when using the EVRC voice activity detector. Mib name: acVoiceSCVBRCoderDTXMin INI Name: EVRCDTXMIN Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
VBR Coder DTX Max	Integer 0-20000	Online	0	Defines the maximum number of frames gap between two SID frames, when using the EVRC voice activity detector. Mib name: acVoiceSCVBRCoderDTXMax INI Name: EVRCDTXMAX Profile name: Digital VoP Media Profile
VBR Coder Hangover	Integer 0-255	Online	0	For indicating the desired number of silence frames at the beginning of each silence period, when using the VBR CODER silence suppression. Mib name: acVoiceSCVBRCoderHangover INI Name: VBRCODERHANGOVER Profile name: Digital VoP Media Profile

2.8.3 Tab: Acoustic Echo Suppression

Frame: Media Provisioning, Tab: Acoustic Echo Suppression

Parameter Name	Type	Provisioning Type	Default Value	Description
Enable Acoustic Echo Suppressor	Enum: Disable(0), Enable(1)	Offline	0	Enable support of network echo suppressor on board level. Reduces board resource capacity. Mib name: acAcousticEchoSuppressorEnable INI Name: ACOUSTICECHOSUPPRESSORSUPPORT Profile name: Digital VoP Media Profile
Echo Canceller Type	Enum: LineEchoCanceller(0), AcousticEchoSuppressorNetwork(1)	Online	0	Echo Canceller type. Line echo canceller for TDM Side or acoustic echo suppressor on network side. Mib name: acAcousticEchoSuppressorEchoCancellerType INI Name: ECHOCANCELLERTYPE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Attenuation Intensity	Integer 0-3	Online	0	Acoustic echo suppressor attenuation intensity. intensity of attenuation on signals identified as echo. Mib name: acAcousticEchoSuppressorAttenuationIntensity INI Name: ACOUSTICECHOSUPPATTENUATIONINTENSITY Profile name: Digital VoP Media Profile
Maximum ERL Threshold	Integer 0-60	Online	10	Acoustic echo suppressor max ERL threshold in DB. Max ratio between signal level and retruned echo from phone. Mib name: acAcousticEchoSuppressorMaxERLThreshold INI Name: ACOUSTICECHOSUPPMAXERLTHRESHOLD Profile name: Digital VoP Media Profile
Minimum Reference Delay	Integer 0-40	Online	0	Acoustic echo suppressor MIN reference delay in mSec. The reference delay in the network helps echo suppression algorithm to identify echo signals. The entered value will be multiplied by 10. Mib name: acAcousticEchoSuppressorMinReferenceDelay INI Name: ACOUSTICECHOSUPPMINREFDELAYX10MS Profile name: Digital VoP Media Profile
Maximum Reference Delay	Integer 0-40	Online	40	Acoustic echo suppressor MAX reference delay. The reference delay in the network helps echo suppression algorithm to identify echo signals. The entered value will be multiplied by 10. Mib name: acAcousticEchoSuppressorMaxReferenceDelay INI Name: ACOUSTICECHOSUPPMAXREFDELAYX10MS Profile name: Digital VoP Media Profile

2.8.4 Tab: Caller ID Settings

Frame: Media Provisioning, Tab: Caller ID Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Caller Id Types	Enum: Bellcore (0), ETSI (1), NTT (2), BT (4), DTMF-Based-ETSI (16), Denmark (17), Indian (18), Brazilian (19)	Online	0	Defines the supported Caller ID standard. 0 = Bellcore 1 = ETSI 2 = NTT 4 = British 16 = ETSI_ETS 17 = Denmark 18 = Indian 19 = Brazilian Mib name: acCallerIDTypes INI Name: CALLERIDTYPE Profile name: Digital VoP Media Profile
Transport Type	Enum: CallerID-DISABLE(0), CallerID-RELAY(1), CallerID-MUTE(3)	Online	0	Defines the CallerID Transport type. 0 = Disable 1 = Relay 3 = Mute Mib name: acCallerIDTransportType INI Name: CALLERIDTRANSPORTTYPE Profile name: Digital VoP Media Profile
DTMF Based Max Digits	Integer 0-26	Online	0	Determines the maximum number of DTMF digits in a DTMF-based Caller ID string. Range = 0 to 26 Mib name: acCallerIDDTMFBasedMaxDigits INI Name: MAXDTMFDIGITSINCIDSTRING Profile name: Digital VoP Media Profile
DTMF Based Min Digits	Integer 0-26	Online	0	Determines the mimumum number of DTMF digits in a DTMF-based Caller ID string. Range = 0 to 26 Mib name: acCallerIDDTMFBasedMinDigits INI Name: MINDTMFDIGITSINCIDSTRING Profile name: Digital VoP Media Profile

2.8.5 Tab: Bypass Settings

Frame: Media Provisioning, Tab: Bypass Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Coder Type	Enum: G711Alaw-64(0), G711Mulaw(1)	Online	0	Users can use this parameter to set the fax/modem bypass coder (according to acTCoders). 0 = G.711 A-Law 1 = G.711 Mu-Law Mib name: acFMBypassCoderType INI Name: FAXMODEMBYPASSCODERTYPE Profile name: Digital VoP Media Profile
Packetization Period	Integer 1-12	Online	1	Defines the number of basic frames to generate one RTP fax/modem bypass packet. Mib name: acFMBypassPacketizationPeriod INI Name: FAXMODEMBYPASSM Profile name: Digital VoP Media Profile
Basic Packet Interval	Enum: PACKET-INTERVAL-DEFAULT(0), PACKET-INTERVAL-5-MSEC(1), PACKET-INTERVAL-10-MSEC(2), PACKET-INTERVAL-20-MSEC(3)	Online	0	Sets the basic Fax / Modem Bypass RTP packet rate. 0 = Default (set internally) (PACKET_INTERVAL_DEFAULT) 1 = 5 msec (PACKET_INTERVAL_5_MSEC) 2 = 10 msec (PACKET_INTERVAL_10_MSEC) 3 = 20 msec (PACKET_INTERVAL_20_MSEC) Mib name: acFMBypassBasicPacketInterval INI Name: FAXMODEMBYPASSBASICRTPPACKETINTERVAL Profile name: Digital VoP Media Profile
Dynamic Jitter Buffer Minimal Delay (ms)	Integer 0-150	Online	0	Determines the Jitter Buffer constant delay (in milliseconds) during a Fax And Modem Bypass session. (The minimum Jitter Buffer Size). Range = 0 to 150 Mib name: acFMBypassDJBufMinDelay INI Name: FAXMODEMBYPASDJBUFMINDELAY Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
NSE Payload Type	Integer 96-127	Online	96	Users can use this parameter to modify the NSE packet's payload type. Range = 96 to 127 Mib name: acFMNSEPayloadType INI Name: NSEPAYLOADTYPE Profile name: Digital VoP Media Profile
NSE Mode	Enum: Disable(0), Enable(1)	Online	0	Enables or disables Cisco's NSE fax / modem automatic pass-through mode. 0 = Disable 1 = Enable Mib name: acFMNSEMode INI Name: NSEMODE Profile name: Digital VoP Media Profile
Enable Inband Network Detection	Enum: Disable(0), Enable(1)	Online	0	Enables or disables inband network detection related to fax/modem. 0 = Disable 1 = Enable Mib name: acFMCommonEnableInbandNetworkDetection INI Name: ENABLEFAXMODEMINBANDNETWORKDETECTION Profile name: Digital VoP Media Profile
Fax Bypass Payload Type	Integer 0-127	Online	0	Users can use this parameter to modify the Fax Bypass Mode RTP packet's payload type. In the case of congestion (if the selected payload type is already used for other coders/modes), then a TP_SETUP_PARAMETER_INVALID_ERROR is issued and the payload type is set to the default value (102). It is the user's responsibility to avoid congestion with other payload types. Range = 0 to 127 Mib name: acFaxBypassPayloadType INI Name: FAXBYPASSPAYLOADTYPE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Modem Bypass Payload Type	Integer 0-127	Online	0	Users can use this parameter to modify the Modem Bypass Mode RTP packet's payload type. In the case of congestion (if the selected payload type is already used for other coders/modes), then a TP_SETUP_PARAMETER_INVALID_ERROR is issued and the payload type is set to the default value (103). It is the user's responsibility to avoid congestion with other payload types. Range = 0 to 127 Mib name: acModemBypassPayloadType INI Name: MODEMBYPASSPAYLOADTYPE Profile name: Digital VoP Media Profile
Fax Bypass Output Gain	Integer -31-31	Online	-31	Defines the fax bypass output gain control. Range: -31 dB to +31 dB in 1 dB steps Default = 0 = No Gain. Mib name: acFMBypassFaxBypassOutputGain INI Name: FAXBYPASSOUTPUTGAIN Profile name: Digital VoP Media Profile
Modem Bypass Output Gain	Integer -31-31	Online	-31	Defines the modem bypass output gain control. Range: -31 dB to +31 dB in 1 dB steps Default = 0 = No Gain Mib name: acFMBypassModemBypassOutputGain INI Name: MODEMBYPASSOUTPUTGAIN Profile name: Digital VoP Media Profile

2.8.6 Tab: FAX Settings

Frame: Media Provisioning, Tab: FAX Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Transport Mode	Enum: Disable(0), RelayEnable(1), ByPassEnable(2), EventsOnly(3)	Online	0	Sets the Fax over IP transport method. 0 = Transparent 1 = Relay 2 = Bypass 3 = Transparent with Events Mib name: acFaxTransportMode INI Name: FAXTRANSPORTMODE Profile name: Digital VoP Media Profile
Relay ECM Enable	Enum: Disable(0), Enable(1)	Online	0	Enables or disables the using of ECM mode during Fax Relay. 0 = Disable 1 = Enable Mib name: acFaxRelayECMEnable INI Name: FAXRELAYECMENABLE Profile name: Digital VoP Media Profile
Relay Max Rate	Enum: acRate2400bps(0), acRate4800bps(1), acRate7200bps(2), acRate9600bps(3), acRate12000bps(4), acRate14400bps(5), acRate16800bps(6), acRate19200b(7), acRate21600bps(8), acRate24000bps(9), acRate26400bps(10), acRate28800bps(11), acRate31200bps(12), acRate33600bps(13)	Online	0	Limits the maximum rate at which fax messages are transmitted. 0 = 2400 bps 1 = 4800 bps 2 = 7200 bps 3 = 9600 bps 4 = 12000 bps 5 = 14400 bps 6 = 16800 bps 7 = 19200 bps 8 = 21600 bps 9 = 24000 bps 10 = 26400 bps 11 = 28800 bps 12 = 31200 bps 13 = 33600 bps Mib name: acFaxRelayMaxRate INI Name: FAXRELAYMAXRATE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Relay Redundancy Depth	Integer 0-2	Online	0	Determines the depth of redundancy for fax packets. This parameter is applicable only to non-V.21 packets. 0 = No redundancy 1 = 1 packet redundancy 2 = 2 packet redundancy Mib name: acFaxRelayRedundancyDepth INI Name: FAXRELAYREDUNDANCYDEPTH Profile name: Digital VoP Media Profile
Enhanced Relay Redundancy Depth	Integer 0-4	Online	0	Determines the number of repetitions to be applied to control packets when using the T.38 standard. 0 = No redundancy 1 = 1 packet redundancy 2 = 2 packet redundancy 3 = 3 packet redundancy 4 = Maximum redundancy Mib name: acFaxEnhancedRelayRedundancyDepth INI Name: FAXRELAYENHANCEDREDUNDANCYDEPTH Profile name: Digital VoP Media Profile
CNG Detector Mode	Enum: CNG-DETECTOR-MODE-DISABLE(0), CNG-DETECTOR-MODE-RELAY(1), CNG-DETECTOR-MODE-EVENT-ONLY(2)	Online	0	Determines the CNG Detector mode. 0 = Disable 1 = Relay 2 = Event Only Mib name: acFaxCNGDetectorMode INI Name: CNGDETECTORMODE Profile name: Digital VoP Media Profile
Relay Volume (dBm)	Integer -18--3	Online	-18	Determines the fax gain control. The range -18 to -3 relates to -18.5 dBm to -3.5 dBm in steps of 1 dBm. Mib name: acFMCommonRelayVolume INI Name: FAXMODEMRELAYVOLUME Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
V34 Transport Method	Enum: Disable(0), RelayEnable(1), ByPassEnable(2), EventsOnly(3)	Online	0	Determines the V.34 fax transport method. One of the following values: 0 = Transparent 1 = Relay 2 = Bypass 3 = Transparent with Events Mib name: acFaxV34TransportMethod INI Name: V34FAXTRANSPORTTYPE Profile name: Digital VoP Media Profile
T38 Version	Enum: T38Version0(0), T38Version3(3)	Online	3	T38 fax relay version. 0 = T.38 version 0 (from 06/1998) 3 = T.38 version 3 (V.34 over T.38 support) Default = 3 Mib name: acFaxT38Version INI Name: T38VERSION Profile name: Digital VoP Media Profile

2.8.7 Tab: Modem Settings

Frame: Media Provisioning, Tab: Modem Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
V21 Transport	Enum: Disable(0), RelayEnable(1), ByPassEnable(2), EventsOnly(3)	Online	0	Sets the V.21 modem transport method (must be set to 0 = Disable). 0 = Transparent 2 = Bypass 3 = Transparent with Events Mib name: acModemV21Transport INI Name: V21MODEMTRANSPORTTYPE Profile name: Digital VoP Media Profile
V22 Transport	Enum: Disable(0), RelayEnable(1), ByPassEnable(2), EventsOnly(3)	Online	0	Sets the V.22 modem transport method. 0 = Transparent 2 = Bypass 3 = Transparent with Events Mib name: acModemV22Transport INI Name: V22MODEMTRANSPORTTYPE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
V23 Transport	Enum: Disable(0), RelayEnable(1), ByPassEnable(2), EventsOnly(3)	Online	0	Sets the V.23 modem transport method. 0 = Transparent 2 = Bypass 3 = Transparent with Events Mib name: acModemV23Transport INI Name: V23MODEMTRANSPORTTYPE Profile name: Digital VoP Media Profile
V32 Transport	Enum: Disable(0), RelayEnable(1), ByPassEnable(2), EventsOnly(3), AnsMute(4)	Online	0	Sets the V.32 modem transport method. 0 = Transparent 2 = Bypass 3 = Transparent with Events 4 = AnsMute Mib name: acModemV32Transport INI Name: V32MODEMTRANSPORTTYPE Profile name: Digital VoP Media Profile
Bell Transport Type	Enum: Disable(0), ByPassEnable(2), EventsOnly(3)	Online	0	Use this parameter to set the Bell modem transport method. 0 = Transparent 2 = Bypass (enum ByPassEnable) 3 = Transparent with Events (enum EventsOnly) Mib name: acModemBellTransportType INI Name: BELLMODEMTRANSPORTTYPE Profile name: Digital VoP Media Profile
V34 Transport	Enum: Disable(0), RelayEnable(1), ByPassEnable(2), EventsOnly(3), AnsMute(4)	Online	0	Sets the V.34 modem transport method. 0 = Transparent 2 = Bypass 3 = Transparent with Events 4 = AnsMute Mib name: acFMCommonV34Transport INI Name: V34MODEMTRANSPORTTYPE Profile name: Digital VoP Media Profile
V150.1				
Allocation Profile	Integer 0-20	Offline	0	Selects the V.150.1 profile, determining how many DSP channels have V.150.1 support. Range = 0 to 3 Mib name: acV150dot1AllocationProfile INI Name: V1501ALLOCATIONPROFILE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
SSE Payload Type Rx	Integer 96-127	Online	105	SSE payload type RX Mib name: acV150dot1SSEPayloadTypeRx INI Name: V1501SSEPAYLOADTYPERX Profile name: Digital VoP Media Profile
SSE Redundancy Depth	Integer 1-6	Online	3	SSE is a part of V150.1 modem relay protocol and SSE messages are sent over RTP. SSE redundancy refers to the sending of SSE messages several times to increase reliability. This parameter determines the number of times each SSE message is to be resent. Mib name: acV150dot1SSERedundancyDepth INI Name: V1501SSEREDUNDANCYDEPTH Profile name: Digital VoP Media Profile

2.8.8 Tab: In-Band-Signaling

Frame: Media Provisioning, Tab: In-Band-Signaling

Parameter Name	Type	Provisioning Type	Default Value	Description
DTMF Volume (dBm)	Integer -31-0	Online	-31	Defines and controls the DTMF generation volume [-dBm]. Range = -31 to 0 Mib name: acIBSDTMFVolume INI Name: DTMFVOLUME Profile name: Digital VoP Media Profile
DTMF Transport Type	Enum: acMuteDTMF(0), acTransparentDTMF(2), acRFC2833RelayDTMF(3), acRFC2833RelayDecoderMute(7)	Online	0	Defines the type of DTMF transport. 0 = Erase DTMFs from voice transport not relayed to remote 2 = DTMFs not erased are not relayed to remote 3 = DTMFs are muted from the voice stream and relayed according to RFC 2833 7 = DTMFs are sent according to RFC 2833 and muted when received Mib name: acIBSDTMFTransportType INI Name: DTMFTRANSPORTTYPE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
CAS Relay Transport Mode	Enum: CASEventsOnly(0), CASRFC2833Relay(1)	Online	0	Controls the ABCD signaling transport type over IP. 0 = No Relay over the network 1 = Enable CAS relay according to RFC 2833 Mib name: acIBSCASRelayTransportMode INI Name: CASTRANSPORTTYPE Profile name: Digital VoP Media Profile
Rx DTMF Relay Hang Over Time (msec)	Integer 0-2000	Online	0	Used to configure the Voice Silence time (in ms units) after playing DTMF or MF digits to the TDM side that arrived as Relay from the Network side. Range from 0 to 2000, Default 1000. Mib name: acIBSRxDtmfHangOverTime INI Name: RXDTMFHANGOVERTIME Profile name: Digital VoP Media Profile
Tx DTMF Relay Hang Over Time (msec)	Integer 0-2000	Online	0	Voice Silence time (in ms units) after detecting the end of DTMF or MF digits at the TDM side when the DTMF Transport Type is either Relay or Mute.This feature allows the user to configure the silence time. Mib name: acIBSTxDtmfHangOverTime INI Name: TXDTMFHANGOVERTIME Profile name: Digital VoP Media Profile
DTMF Twist Control	Integer -10-10	Offline	0	Defines a delta (in dB) between the high and low frequency component in the DTMF signal. dB Positive values cause the higher frequency component to be stronger than the lower one. Negative values cause the opposite effect. For any parameter value, both components change so that their average is constant. Range = -10 to 10 Mib name: acIBSDTMFTwistControl INI Name: DTMFGENERATIONTWIST Profile name: Digital VoP Media Profile
Detector				

Parameter Name	Type	Provisioning Type	Default Value	Description
Trunk Testing Tones Detector	Enum: Disables (0), Enables (1)	Offline	0	Enables or disables trunk testing tones. 0 = Disables trunk testing tones 1 = Enables trunk testing tones Mib name: acIBSTrunkTestingTonesEnable INI Name: ENABLETRUNKTESTINGTONES Profile name: Digital VoP Media Profile
MF R1 Enable	Enum: Disable(0), Enable(1)	Online	0	Enables or disables detection of MFR1 signaling. 0 = Disable 1 = Enable Mib name: acIBSDetectorsMFR1Enable INI Name: MFR1DETECTORENABLE Profile name: Digital VoP Media Profile
MF R2 Forward Enable	Enum: Disable(0), Enable(1)	Online	0	Enables or disables detection of MFR2 forward signaling. 0 = Disable 1 = Enable Mib name: acIBSDetectorsMFR2ForwardEnable INI Name: MFR2FORWARDDETECTORENABLE Profile name: Digital VoP Media Profile
MF R2 Backward Enable	Enum: Disable(0), Enable(1)	Online	0	Enables or disables detection of MFR2 backward signaling Mib name: acIBSDetectorsMFR2BackwardEnable INI Name: MFR2BACKWARDDETECTORENABLE Profile name: Digital VoP Media Profile
R1 Line Enable	Enum: Disable(0), Enable(1)	Online	0	Enables or disables detection of Line signaling. 0 = Disable 1 = Enable Mib name: acIBSDetectorsR1LineEnable INI Name: R1LINEDETECTORENABLE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
DTMF Enable	Enum: Disable(0), Enable(1)	Online	0	Enables or disables detection of DTMF signaling. 0 = Disable 1 = Enable Mib name: acIBSDetectorsDTMFEnable INI Name: DTMFDETECTORENABLE Profile name: Digital VoP Media Profile
Call Progress Enable	Enum: Disable(0), Enable(1)	Online	0	Enables or disables detection of Call Progress Tones. 0 = Disable 1 = Enable Mib name: acIBSDetectorsCallProgressEnable INI Name: CALLPROGRESSDETECTORENABLE Profile name: Digital VoP Media Profile
User Defined Tone Enable	Enum: Disable(0), Enable(1)	Online	0	Enables or disables detection of User Defined Tones signaling. 0 = Disable 1 = Enable Mib name: acIBSDetectorsUserDefinedToneEnable INI Name: USERDEFINEDTONEDETECTORENABLE Profile name: Digital VoP Media Profile
Detection Redirection	Enum: pcm(0), network(1)	Online	0	Determines the IBS (In-Band Signaling) Detection Direction. 0 = PCM 1 = Network Mib name: acIBSDetectorsDetectionRedirection INI Name: IBSDETECTIONREDIRECTION Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
SIT Enable	Enum: Disable(0), Enable(1)	Offline	0	Enables or disables SIT (Special Information Tone) detection according to the ITU-T recommendation E.180/Q.35. 0 = Disable 1 = Enable Mib name: acIBSDetectorsSITEnable INI Name: SITDETECTORENABLE Profile name: Digital VoP Media Profile
COT Enable	Enum: Disable(0), Enable(1)	Offline	0	Enables or disables Continuity Test tone detection and generation according to the ITU-T Q.724 recommendation. 0 = Disable 1 = Enable Mib name: acIBSDetectorsCOTEnable INI Name: ENABLECONTINUITYTONES Profile name: Digital VoP Media Profile
R1.5 Detection Standard	Enum: MfR1DetectionStandardItu (0), MfR1DetectionStandardR15 (1)	Offline	0	This parameter determines which one of the R1 MF protocol flavors will be used for detection. 0 = ITU 1 = R1.5 Mib name: acIBSDetectorsR1DetectionStandard INI Name: R1DETECTIONSTANDARD Profile name: Digital VoP Media Profile
UDT Detector Frequency Deviation	Integer 1-50	Offline	50	Defines the deviation allowed for the detection of each signal frequency. Units are in Hertz. Valid values range 1-50. Default value 50 Hz. Mib name: acIBSDetectorsUDTDetectorFrequencyDeviation INI Name: UDTDETECTORFREQUENCYDEVIATION Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
CPT Detector Frequency Deviation	Integer 1-30	Offline	10	Defines the deviation allowed for the detection of each CPT signal frequency. Units are in Hertz. Valid values range 1-30. Default value 10 Hz. Mib name: acIBSDetectorsCPTDetectorFrequency Deviation INI Name: CPTDETECTORFREQUENCYDEVIATION Profile name: Digital VoP Media Profile

2.8.9 Tab: RTP Settings

Frame: Media Provisioning, Tab: RTP Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Base UDP Port	Integer 1024-65535	Offline	4000	Defines the lower boundary of UDP ports to be used by the board. The upper boundary is calculated on the basis of BoardBaseUDPPort + 10 * (Number of Channels). This parameter value must be a multiple of 10. Mib name: acRtpBaseUDPPort INI Name: BASEUDPPORT Profile name: Digital VoP Media Profile
Disable NAT	Enum: No(0), Yes(1)	Online	0	Enables or disables the NAT feature. 0 = Do not disable NAT 1 = Disable NAT Mib name: acMediaNetworkDisableNAT INI Name: DISABLENAT Profile name: Digital VoP Media Profile
Comfort Noise Enable	Enum: Disable(0), Enable(1)	Online	0	When set to 1 (Enable), SID packets are sent with the RTP SID type (RFC 3389). 0 = Disable 1 = Enable Determines whether Silence Indicator (SID) packets that are sent and received are according to RFC 3389. 0 = Disabled (default). 1 = Enabled. Note: Applicable only to MP-11x and Mediant 1000. Mib name: acRtpComfortNoiseEnable INI Name: ENABLESTANDARDSIDPAYLOADTYPE Profile name: Digital VoP Media Profile
RFC2833 Tx Payload Type	Integer 96-127	Online	96	Controls the RFC 2833 Tx Relay RTP Payload type. Range = 96 to 127 Mib name: acRtpRFC2833TxPayloadType INI Name: RFC2833TXPAYLOADTYPE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
RFC2833 Rx Payload Type	Integer 96-127	Online	96	Controls the RFC 2833 Rx Relay RTP Payload type. Range = 96 to 127 Mib name: acRtpRFC2833RxPayloadType INI Name: RFC2833RXPAYLOADTYPE Profile name: Digital VoP Media Profile
NTE Max Duration	Integer -1-200000000	Online	-1	Maximal time for sending NTEs (Named Telephony Events) to the network, regardless of the time range when the TDM signal is detected. -1= NTE will stop only upon detection of End event (default). Mib name: acIBSNTEMaxDuration INI Name: NTEMAXDURATION Profile name: Digital VoP Media Profile
Redundancy Payload Type	Integer 96-127	Online	96	This parameter sets the RFC 2198 (RTP Redundancy) packet's parameter 'RTP Payload Type'. Range: 96 to 127 Mib name: acRtpRedundancyPayloadType INI Name: RFC2198PAYLOADTYPE Profile name: Digital VoP Media Profile
Redundancy Depth	Integer 0-5	Online	0	Redundancy depth of RFC 2198 redundancy packets. 0 = Disabled In Gen 3 boards: range is 0-5 For other Gens 0-1 Mib name: acRtpRedundancyDepth INI Name: RTPREDUNDANCYDEPTH Profile name: Digital VoP Media Profile
Packetization Factor	Integer 1-12	Online	1	Defines the number of DSP payloads for generating one RTP packet. Range = Hardware dependent Mib name: acRtpPacketizationFactor INI Name: RTPPACKINGFACTOR Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
No Op Enable	Enum: Disable(0), Enable(1)	Online	0	Enables / disable Noop packets sending mode. 0 = Disable 1 = Enable Mib name: acRtpNoOpEnable INI Name: NOOPENABLE Profile name: Digital VoP Media Profile
No Op Payload Type	Integer 96-127	Online	96	User can modify the Noop packets RTP Payload type by setting this parameter. Range = 96 to 127 Mib name: acRtpNoOpPayloadType INI Name: RTPNOOPPAYLOADTYPE Profile name: Digital VoP Media Profile
No Op Interval	Integer 20-600000	Online	20	Used to modify the Noop packets sending interval Parameter value is in milliseconds Default value = 10 sec (10000 msec) Range = 20 to 600000 (20 msec to 10 min - 10 min = 600000) Mib name: acRtpNoOpInterval INI Name: NOOPINTERVAL Profile name: Digital VoP Media Profile
VBR Coder Header Format	Enum: WithOut-RFC2658Interleaving-And-TOC(0), Including-RFC2658Interleaving-And-TOC(1), Including-TOC-Only(2), Interleave-Bundling(3)	Online	0	0 - payload only (no header, no toc, no m-factor) 1- support RFC 2658 format, 1 byte for interleaving header (always 0) and toc, no m-factor 2 ? payload including toc only, allow m-factor 3- RFC 3358 format Mib name: acRtpVBRCoderHeaderFormat INI Name: VBRCODERHEADERFORMAT Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
AMR Coder Header Format	Enum: CE-AMR-DEFAULT-FORMAT(0), CE-AMR-RFC-3267-BUNDLING(1), CE-AMR-RFC-3267-INTERLEAVING(2), CE-AMR-IF2(3)	Online	0	AMR_CODER_HEADER_DEFAULT_FORMAT=0 - old m factor, each frame contains CRM byte and toc RFC_3267_BUNDLING=1 - single CRM byte followed by toc tables RFC_3267_INTERLEAVING=2 - supported as receivers only Mib name: acRtpAMRCoderHeaderFormat INI Name: AMRCODERHEADERFORMAT Profile name: Digital VoP Media Profile
Broken Connection Event Timeout	Integer 3-2684354	Online	3	Determines for how long the RTP connection should be broken before the Broken Connection event is issued. In units of 100 msec. Mib name: acRtpRtcpBrokenConnectionEventTimeout INI Name: BROKENCONNECTIONEVENTTIMEOUT Profile name: Digital VoP Media Profile
Broken Connection Event Activation Mode	Enum: AfterFirstIncomingRTPPacket(0), OnRTPStreamActivation(1)	Online	0	Determines if the broken connection mechanism is activated when the RTP stream is activated or when the first RTP packet is received. 0 = After First incoming packet (default) 1 = Upon channel?s RTP activation. Mib name: acRtpRtcpBrokenConnectionEventActivationMode INI Name: BROKENCONNECTIONEVENTACTIVATIONMODE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Basic RTP Packet Interval	Enum: PACKET-INTERVAL-DEFAULT(0), PACKET-INTERVAL-5-MSEC(1), PACKET-INTERVAL-10-MSEC(2), PACKET-INTERVAL-20-MSEC(3)	Online	0	Selects the RTP packet rate for sample based coders (such as G.711, G.726, G.727). Also applicable for G.729, G.729E And G.728. 0 = Default (set internally) 1 = 5 msec 2 = 10 msec 3 = 20 msec Mib name: acRtpRtcpBasicRTPPacketInterval INI Name: BASICRTPPACKETINTERVAL Profile name: Digital VoP Media Profile
Connection Establish Notification Mode	Enum: AfterBrokenConnection(0), UponFirstRTPFrameDetection(1)	Online	0	Determines the notification mode for the RTP connection establishment event acEV_CONNECTION_ESTABLISHED. 0 = Notify only after a broken connection event 1 = Also notify when the first RTP packet is received Mib name: acRtpRtcpConnectionEstablishNotificationMode INI Name: CONNECTIONESTABLISHEMENTNOTIFICATIONMODE Profile name: Digital VoP Media Profile
AMR FEC Redundancy Depth	Enum: CE-AMR-FEC-REDUNDANCY-LEVEL-NONE(0), CE-AMR-FEC-REDUNDANCY-LEVEL-1(1), CE-AMR-FEC-REDUNDANCY-LEVEL-2(2), CE-AMR-FEC-REDUNDANCY-LEVEL-3(3)	Online	0	Sets the AMR / WB-AMR Redundancy depth according to RFC 3267. 0 = No Redundancy 1 = Redundancy depth of a single packet 2 = Redundancy depth of 2 packets 3 = Redundancy depth of 3 packets Mib name: acRtpAMRFECRedundancyDepth INI Name: AMRFECREDUNDANCYDEPTH Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
AMR FEC Num Of Mngt Policy Entries	Integer 0-9	Online	0	Sets the number of entries to be defined at the AMR management policy table. Each entry defines the policy of a different rate. Mib name: acRtpAMRFECNumOfMngtPolicyEntries INI Name: AMRFECNUMBEROFCODECMODES Profile name: Digital VoP Media Profile
AMR FEC Delay Hysteresis	Integer 0-255	Online	0	Defines the hysteresis of the Delay Threshold for AMR Hand-out events (in msec). Mib name: acRtpAMRFECDelayHysteresis INI Name: AMRFECDELAYHYSTERESIS Profile name: Digital VoP Media Profile
AMR FEC Delay Threshold	Integer 0-255	Online	0	Defines the one-way delay value (in msec) that may cause the AMR Hand Out report. 0 = 'Hand Out' report is disabled (default). Mib name: acRtpAMRFECDelayThreshold INI Name: AMRFECDELAYTHRESHHOLD Profile name: Digital VoP Media Profile
AMR Octet Aligned Enable	Enum: disable(0), enable(1)	Online	1	0 = disable the AMR Octet Aligned mode. 1 = enable the AMR Octet Aligned mode. Mib name: acRtpAMROctetAlignedEnable INI Name: AMROCTETALIGNEDENABLE Profile name: Digital VoP Media Profile

2.8.10 Tab: SRTP Settings

Frame: Media Provisioning, Tab: SRTP Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Enable Media Security	Enum: Disable(0), Enable(1)	Offline	0	Enables or disables Media Security protocol (SRTP) . Enabling this parameter might reduce the board channel capacity. 0 = Disable 1 = Enable Mib name: acVoiceEnableMediaSecurity INI Name: ENABLEMEDIASECURITY Profile name: Digital VoP Media Profile
Aria Protocol Support	Enum: Disable(0), Enable(1)	Offline	0	Enables or disables Aria encryption protocol. Enabling this parameter might reduce the board channel capacity. 0 = Disable 1 = Enable Supported on TP6310, TP8410 and M800 Mib name: acVoiceAriaProtocolSupport INI Name: ARIAPROTOCOLSUPPORT Profile name: Digital VoP Media Profile
RTP Authentication Disable Tx	Enum: inactive(0), active(1)	Online	0	On a secured RTP session, determines whether to enable Authentication on transmitted RTP packets. One of the following values: 0 = Enable 1 = Disable Mib name: acSysMediaEncriptionRTPAuthenticationDisableTx INI Name: RTPAUTHENTICATIONDISABLETX Profile name: Digital VoP Media Profile
RTP Encryption Disable Tx	Enum: inactive(0), active(1)	Online	0	On a secured RTP session, determines whether to enable Encryption on transmitted RTP packets. One of the following values: 0 = Enable 1 = Disable Mib name: acSysMediaEncriptionRTPEncryptionDisableTx INI Name: RTPENCRYPTIONDISABLETX Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
RTCP Encryption Disable Tx	Enum: inactive(0), active(1)	Online	0	On a secured RTP session, determines whether to enable Encryption on transmitted RTCP packets. One of the following values: 0 = Enable 1 = Disable Mib name: acSysMediaEncriptionRTCPEncryptionDisableTx INI Name: RTCPENCRYPTIONDISABLETX Profile name: Digital VoP Media Profile
Packet MKI Size	Integer 0-4	Online	0	Determines the size of the parameter Master Key Identifier (MKI) in SRTP Tx packets. One of the following values: 0 = MKI Disabled 1 - 4 = size (bytes of MKI) Mib name: acSysSRTPPacketMKISize INI Name: SRTPTXPACKETMKISIZE Profile name: Digital VoP Media Profile

2.8.11 Tab: RTCP Settings

Frame: Media Provisioning, Tab: RTCP Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Disable Interval Randomization	Integer 0-1	Online	0	Controls whether RTCP report intervals are randomized or whether each report interval accords exactly to the parameter defining RTCP Mean Tx Interval (in milliseconds). 0 = Randomize 1 = Don?t Randomize Mib name: acRtcpDisableIntervalRandomization INI Name: DISABLERTCPRANDOMIZE Profile name: Digital VoP Media Profile
RTCP XR				
RTCP XR Enable	Enum: Disable(0), Enable(1), EnableOnlyCalculation(2)	Offline	0	Sets voice quality monitoring (RTCP-XR) mode. 0 = Disable 1 = Enable all 2 = Enable Only Calculation Mib name: acRtcpXrEnable INI Name: VQMONENABLE Profile name: Digital VoP Media Profile
Burst Threshold	Integer -1-12	Online	-1	voice quality monitoring - excessive burst alert threshold. if set to -1, no alerts will be issued. Mib name: acRtcpXrBurstThreshold INI Name: VQMONBURSTHR Profile name: Digital VoP Media Profile
Delay Threshold	Integer -1-12	Online	-1	voice quality monitoring - excessive delay alert threshold. if set to -1, no alerts will be issued. Mib name: acRtcpXrDelayThreshold INI Name: VQMONDELAYTHR Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
End of Call Rval Delay Threshold	Integer -1-12	Online	-1	voice quality monitoring - end of call low quality alert threshold. if set to -1, no alerts will be issued. Mib name: acRtcpXrEndOofCallRvalDelayThreshold INI Name: VQMONEOCRVALTHR Profile name: Digital VoP Media Profile
GMin	Integer 0-255	Online	0	voice quality monitoring - minimum gap size (number of frames) Mib name: acRtcpXrGMin INI Name: VQMONGMIN Profile name: Digital VoP Media Profile

2.8.12 Tab: Misc. Settings

Frame: Media Provisioning, Tab: Misc. Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
TTY Transport Type	Enum: Disable(0), Inband-Relay(2), Bypass (1)	Online	0	Defines the transferring method of TTY signals during a call 0 = Disable 1= Bypass 2 = Relay Mib name: acVoiceTTYTransportType INI Name: TTYTRANSPORTTYPE Profile name: Digital VoP Media Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Enable Media UDP Checksum	Enum: Disable(0), Enable(1)	Offline	0	Determines whether to enable the UDP checksum calculation for RTP media TX over IPv4. One of the following possible values: 0 = Disable (No checksum: UDP checksum for IPv4 TX = 0) 1 = Enable (UDP checksum will be in the UDP header upon IPv4 TX) Mib name: acRtpRtcpEnableMediaUDPChecksum INI Name: ENABLEMEDIAUDPCHECKSUM Profile name: Digital VoP Media Profile

2.9 Frame: Megaco Parameters Provisioning

2.9.1 Tab: Megaco Settings

Frame: Megaco Parameters Provisioning, Tab: Megaco Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Compatibility Profile	Integer 0-131071	Offline	0	ControlS MGCP/MEGACO functioning for vendor-specific compatibility. Refer to the product's User's Manual. Range: Integer > 0 Refer to the product's User's Manual or the enumerator mgTMGCPProfile for possible values. Mib name: acCPMiscCompatibilityProfile INI Name: MGCPCOMPATIBILITYPROFILE Profile name: Digital Megaco Profile
Profiling binary ASN	Integer 0-2147483647	Instant	1	Used to profile the binary ASN.1 encoding. Range: Integer >0 Refer to the product's User's Manual for possible values. Mib name: acMCProfileBinary INI Name: MEGACOASN1PROFILE Profile name: Digital Megaco Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
AAS Packages	Enum: TD-51standard(0), H-248-9standard(1), MGCP-Packet-Cable(2), SIP-MSCML(3)	Offline	0	Selects the profile for the Advanced Audio Syntax specification. 0 = TD-51 standard 1 = H.248.9 standard 2 = MGCP Packet Cable 3 = SIP MSCML Mib name: acMCProfileAASPackages INI Name: AASPACKAGESPROFILE Profile name: Digital Megaco Profile
TDM Hair Pinning Mode	Enum: loopback(0), pstn(1)	Offline	0	determinewhich Hair-pinning mode is to be used: mode 0 - will create TDM to TDM connection through IP software Loopback mode 1 - will create ?pure? hair-pinning i.e. TDM to TDM connection through PSTN . Mib name: acMCProfileTdmHairPinningMode INI Name: MEGACOTDMHAIRPINNINGMODE Profile name: Digital Megaco Profile
Encoding Method	Enum: textEncoding(0)	Offline	0	Sets the MEGACO coding method. 0 = Text mode Mib name: acMCMiscEncodingMethod INI Name: MEGACOENCODING Profile name: Digital Megaco Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Context ID Offset	Integer 0-20000	Instant	0	Offset for the context ID generated by the gateway. e.g., offset = 100 causes the first context to be 101. Range = 0 to 20000 Mib name: acMCMiscContextIDOffset INI Name: MEGACOCONTEXTIDOFFSET Profile name: Digital Megaco Profile
Trunk ID Offset	Integer 0-2147483647	Offline	0	Sets the offset to the trunk numbering. e.g., Offset = 2 causes the first trunk number to be 2. Note: This parameter was replaced by the parameter 'EP_NUM'. Range: 0 to 4294967295 Mib name: acCPMiscTrunkIDOffset INI Name: MEGACOTRUNKIDOFFSET Profile name: Digital Megaco Profile
Disconnect Behaviour	Enum: NoActionOnDisconnect(1), DisableTrunksOnDisconnect(2), ResetBoardOnDisconnect(3)	Offline	1	Determines PBX behavior upon losing connectivity with H.248 Call agent or TPNCP. 1 = No Action - keep routing traffic 2 = Disable Trunks - stop routing trafic BUT RTP remains active 3 = Reset Board - Stop all Mib name: acMCMiscDisconnectBehavior INI Name: DISCONNECTBEHAVIOR Profile name: Digital Megaco Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Enable SCTP as Control	Enum: disable(0), enable(1)	Offline	1	Sets the location of the Stream Control Transmission Protocol (SCTP). If this parameter is set and the machine is functioning in multiple IPs mode, the SCTP is located on the control network. If not, the SCTP is located on the OAM network. 0 = Default 1 = Enable Mib name: acMultipleIPEnableSCTPasControl INI Name: ENABLESCTPASCONTROL Profile name: Digital Megaco Profile
SDP Profile	Integer 0-2147483647	Instant	0	Controls MEGACO functioning for SDP negotiation. The parameter is bitwise. Every new RFC support should be turned on or off with this parameter. Each bit function is described in the control protocol chapter. Mib name: acMCMiscSDPProfile INI Name: CPSDPPROFILE Profile name: Digital Megaco Profile

2.9.2 Tab: Naming Convention

Frame: Megaco Parameters Provisioning, Tab: Naming Convention

Parameter Name	Type	Provisioning Type	Default Value	Description
Pattern Phys	String Up to 30 chars.	Offline		Defines the name pattern of a physical termination. For Example: 'tgw/t*/c*'. The '*' sign stands for the actual numbers of the trunk and bchannel. Range: String [30] Mib name: acMCNamePatternPhys INI Name: PHYSTERMNAMEPATTERN Profile name: Digital Megaco Profile
Pattern Logical RTP	String Up to 30 chars.	Offline		Defines the name pattern of an RTP termination. For example: 'gw/rtp/*'. The '*' sign stands for the actual number of the RTP termination. Range: String [30] Mib name: acMCNamePatternLogicalRTP INI Name: LOGICALRTPTERMPATTERN Profile name: Digital Megaco Profile
Name Pattern Conf	String Up to 32 chars.	Offline		Defines the name pattern of a conference termination. Applicable to IPM-1610 and TP-6310 only. Range: String[32] Mib name: acMCNamePatternConf INI Name: CONFERENCETERMPATTERN Profile name: Digital Megaco Profile
Pattern BCTN	String Up to 32 chars.	Offline		Defines the name pattern of a BCT termination. Applicable to IPM-1610 and TP-6310 only. Range: String[32] Mib name: acMCNamePatternBCTN INI Name: BCTTERMPATTERN Profile name: Digital Megaco Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Pattern Audio	String Up to 32 chars.	Offline		Defines the name pattern of an audio termination. Applicable to IPM-1610 and TP-6310 only. Range: String[32] Mib name: acMCNamePatternAudio INI Name: AUDIOTERMPATTERN Profile name: Digital Megaco Profile
Trunk Test	String Up to 32 chars.	Offline		Defines the name pattern of a trunk test termination. Applicable to IPM-1610 and TP-6310 only. Range: String[32] Mib name: acMCNamePatternTrunkTest INI Name: TRUNKTESTTERMPATTERN Profile name: Digital Megaco Profile
Ephemeral ID Offset	Integer 0-2147483647	Instant	0	Offset for the ephemeral termination IDs in the gateway. e.g., offset = 100 causes the first ephemeral termination ID to be 101. Note: This parameter was replaced by the parameter 'RTP_Num'. Range = 0 to 4294967295 Mib name: acMCNameNumberEphemeralIDOffset INI Name: MEGACOTERMINATIONIDOFFSET Profile name: Digital Megaco Profile
MEGACO Version				
Current Version	Integer 1-3	Read-Only	1	The Megaco version currently being used. Mib name: acMegacoStatusCurrentVersion Profile name: Not Profiled

2.9.3 Tab: Physical Endpoint Offsetting

Frame: Megaco Parameters Provisioning, Tab: Physical Endpoint Offsetting

Parameter Name	Type	Provisioning Type	Default Value	Description
Index	Integer 0-4	Read-Only	0	Index for table use. Mib name: acMCNameNumberPhysicalEndpointIndex Profile name: Digital Physical Endpoint Megaco Profile
Endpoint Start	Integer -1-65535	Offline	0	Defines the starting number for each name level (level 0 is the left one when looking at the parameter defining Phys Term Name Pattern). Thus, to start trunk numbering from 1, set EP_NUM_0 to 1. Range: Any positive number Mib name: acMCNameNumberPhysicalEndpointStart INI Name: EP_NUM Profile name: Digital Physical Endpoint Megaco Profile
Endpoint Min	Integer 0-255	Offline	0	Defines the minimum number for each name level (level 0 is the left one, i.e., the trunk number). Mib name: acMCNameNumberPhysicalEndpointMin INI Name: EP_MIN Profile name: Digital Physical Endpoint Megaco Profile
Endpoint Max	Integer 0-65535	Offline	0	Defines the maximum number for each name level (level 0 is the left one, i.e., the trunk number). Mib name: acMCNameNumberPhysicalEndpointMax INI Name: EP_MAX Profile name: Digital Physical Endpoint Megaco Profile

2.9.4 Tab: RTP Endpoint Offsetting

Frame: Megaco Parameters Provisioning, Tab: RTP Endpoint Offsetting

Parameter Name	Type	Provisioning Type	Default Value	Description
Index	Integer 0-1	Read-Only	0	Index for table use. Mib name: acMCNameNumberStreamEndpointIndex Profile name: Digital Stream Endpoint Megaco Profile
RTP Start	Integer -1-65535	Instant	0	Defines the starting number for each name's RTP termination level Mib name: acMCNameNumberStreamEndpointRTPStart INI Name: RTP_NUM Profile name: Digital Stream Endpoint Megaco Profile

2.9.5 Tab: Communication Info

Frame: Megaco Parameters Provisioning, Tab: Communication Info

Parameter Name	Type	Provisioning Type	Default Value	Description
Transaction ID				
Transaction ID Range	Integer 0-2147483647	Instant	1.00E+09	Defines the range for the transaction ID. Default = 999997999 Mib name: acCPTransactionIDRange INI Name: TRANSACTIONIDRANGE Profile name: Digital Megaco Profile
Transaction ID Base	Integer 0-2147483647	Instant	2000	Defines the minimum number for the transaction ID. Default = 2000 Mib name: acCPTransactionIDBase INI Name: TRANSACTIONIDBASE Profile name: Digital Megaco Profile
Transaction Randomize ID	Enum: Disable(0), Enable(1)	Offline	1	Defines if the transactions produced by the board start with a fixed or random number. 1 = Randomize On Refer also to the parameters defining Transaction Id Range and Transaction Id Base. Mib name: acCPTransactionRandomizeID INI Name: RANDOMIZETRANSACTIONID Profile name: Digital Megaco Profile
Communication Layer Timeout	Integer 0-999	Instant	30	Assumed delay of the communication layer. It is used in retransmission. This parameter defines the maximal time to wait for a response before declaring a disconnection (in seconds). Mib name: acCPTransactionCommunicationLayerTimeout INI Name: MGCPCOMMUNICATIONLAYERTIMEOUT Profile name: Digital Megaco Profile
Transport				

Parameter Name	Type	Provisioning Type	Default Value	Description
Retransmission TimeOut	Integer -2147483647-2147483647	Instant	-2147483647	Controls protocols retransmission timeout. Sets the initial time (in msec) for the first retransmission. The retransmission intervals thereafter increase exponentially. Mib name: acCPTransportRetransmitionTimeOut INI Name: MGCPRETRANSMISSIONTIMEOUT Profile name: Digital Megaco Profile
Control Diff Serv	Integer 0-63	Offline	0	Defines the value of the field 'DiffServ' in the IP header for control traffic. Range: 0 to 63 Mib name: acCPTransportControlDiffServ INI Name: CONTROLDIFFSERV Profile name: Digital Megaco Profile
Hang Term Timeout	Integer 0-65535	Instant	0	Default timeout (in seconds) for sending Hanging Termination event, when a request for Hanging Termination is sent without parameters. Range - 0 -65535 Mib name: acMCCommunicationTimerHangTermTimeout INI Name: MEGACOHANGTERMTIMEOUT Profile name: Digital Megaco Profile
Restart Max Waiting Delay	Integer 0-600000	Instant	2500	Defines the Maximum Waiting Delay (in milliseconds) before restart service change when the Media Gateway is powered on. Mib name: acMCCommunicationTimerRestartMaxWaitingDelay INI Name: RESTARTMAXIMUMWAITINGDELAY Profile name: Digital Megaco Profile
Target Mg Response Time	Integer 100-1000	Instant	200	The response time is defined as the time from the arrival of a call set-up request until the response (in msec). Range = 100-1000 in resolutions of 50 (i.e. 100, 150, 200, 250...) Mib name: acMCCommunicationTimerTargetMgResponseTime INI Name: TARGETMG_RESPONSETIME Profile name: Digital Megaco Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
MG Provisional Response	Integer 0-20000	Instant	0	Defines the provisional response timer for the media gateway (in msec). Range: 0 to 20000 Mib name: acMCCommunicationTimerMGProvisionalResponse INI Name: MGPROVISIONALRESPONSETIME Profile name: Digital Megaco Profile
MGC Provisional Response	Integer 0-20000	Instant	0	Defines the provisional response timer for the MGC (in msec). Range: 0 to 20000 Mib name: acMCCommunicationTimerMGCProvisionalResponse INI Name: MGCPROVISIONALRESPONSETIME Profile name: Digital Megaco Profile
MG Execution Time	Integer 0-2000	Instant	0	Defines the estimated execution time of the media gateway (in msec). Range: 0 to 2000 Mib name: acMCCommunicationTimerMGExecutionTime INI Name: MGEXECUTIONTIME Profile name: Digital Megaco Profile
MGC Execution Time	Integer 0-2000	Instant	0	Defines the estimated execution time of the MGC (in msec). Range: 0 to 2000 Mib name: acMCCommunicationTimerMGCExecutionTime INI Name: MGCEXECUTIONTIME Profile name: Digital Megaco Profile
Keep Alive				
Keep Alive Enabled	Integer -2147483647-2147483647	Instant	0	Enables a proprietary keep-alive mechanism, in which a serviceChange is send with UNDEFINED as the termination ID and restart method. 0 = disable >0 = enable Mib name: acCPKeepAliveEnabled INI Name: KEEPALIVEENABLED Profile name: Digital Megaco Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Keep Alive Interval	Integer 1-300	Instant	12	This parameter is used to define the interval in seconds of a KeepAlive message. Mib name: acCPKeepAliveInterval INI Name: KEEPALIVEINTERVAL Profile name: Digital Megaco Profile

2.9.6 Tab: Media Settings

Frame: Megaco Parameters Provisioning, Tab: Media Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Dial Tone Duration	Integer -2147483647-2147483647	Instant	16	Defines the timeout (in seconds) for the dial tone signal. Range: 1 to 65535 Mib name: acCPMiscDialToneDuration INI Name: DIALTONEDURATION Profile name: Digital Megaco Profile
SDP Profile;Perform SDP Negotiation according to RFC3407 spec;Support V.152 (VBD);Perform SDP Negotiation according to RFC3264 spec;Perform SDP Negotiation only according to received SDP. Ignore default configure;Replied SDP will contain also T, S and O lines;Hard Coded Configure PTime Value for Transparent Coder. The Value is 10	Integer Bitmask Bitmap-0x003F	Instant	0	Controls MGCP/MEGACO functioning for SDP negotiation. The parameter is bitwise. Every new RFC support should be turned on or off with this parameter. Each bit function is described in the control protocol chapter. Mib name: acCPMiscSDPProfile INI Name: CPSDPPROFILE Profile name: Digital Megaco Profile
RTCP Interval	Integer -2147483647-2147483647	Instant	0	Defines the time interval between the adjacent RTCP reports (in msec). Range: 0 to 65535 Mib name: acCPMediaRTCPInterval INI Name: RTCPINTERVAL Profile name: Digital Megaco Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Default Coder	Enum: Non-Initialized(0), G711Mulaw(1), G711Alaw-64(2), G726-16(3), G726-24(4), G726-32(5), G726-40(6), G727-16(7), G727-24-16(8), G727-24(9), G727-32-16(10), G727-32-24(11), G727-32(12), G727-40-16(13), G727-40-24(14), G727-40-32(15), G723High-(16), G723Low(17), G729(18), G728(19), GSM(20), Transparent(21), NetCoder-4-8(22), NetCoder-5-6(23), NetCoder-6-4(24), NetCoder-7-2(25), NetCoder-8(26), NetCoder-8-8(27), NetCoder-9-6(28), EVRC0(29), EVRC-TFO(30), EVRC-TTY(31), QCELP-8(32), QCELP-8-TFO(33), QCELP-13(34), QCELP-13-TFO(35), G729E(36), AMR-4-75(37), AMR-5-15(38), AMR-5-9(39), AMR-6-7(40), AMR-7-4(41), AMR-7-95(42), AMR-10-2(43), AMR-12-2(44), GSM-EFR(45), iLBC13(46), iLBC15(47), BV16(48), EVRC(49), Telepone-Event-RFC2833(50), Redundency-	Instant	2	This parameter can be used to set a default coder for channel opening. For the legal coder names, refer to the product's User Manual. Default = cpDPT_G711Mulaw_Coder Mib name: acCPMediaDefaultCoder INI Name: MGCPDEFAULTCODER Profile name: Digital Megaco Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Record Coder	Enum: G711Mulaw(1), G711Alaw-64(2)	Instant	1	Determines the coder used for recording to a file. Mib name: acCPMediaRecordCoder INI Name: CPRECORDCODER Profile name: Digital Megaco Profile
Play Coder	Enum: G711Mulaw(1), G711Alaw-64(2)	Instant	1	Determines the coder type to be used when playing a file of type .raw Mib name: acCPMediaPlayCoder INI Name: CPPLAYCODER Profile name: Digital Megaco Profile
Packetization Period	Integer 5-120	Instant	20	Defines the default packetization period (Frame Size). Default = 20 msec (for G.723 30) Range: 5 to 80 Mib name: acCPMediaPacketizationPeriod INI Name: DEFAULTPACKETIZATIONPERIOD Profile name: Digital Megaco Profile
Session Owner	String Up to 31 chars.	Instant		Defines the owner/creator of the session Range = String[31] Mib name: acCPNamingSessionOwner INI Name: CPSDPSESSIONOWNER Profile name: Digital Megaco Profile

2.9.7 Tab: Digit Settings

Frame: Megaco Parameters Provisioning, Tab: Digit Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Use End Of DTMF	Integer -2147483647-2147483647	Instant	1	Defines if the detection of DTMF events is notified at the end of DTMF or at the start of DTMF. 0 = at start of DTMF 1 = at the end of DTMF Mib name: acCPDigitCollectUseEndOfDTMF INI Name: MGCPDTMFDETECTIONPOINT Profile name: Digital Megaco Profile
DTMF Length (msec)	Integer -2147483647-2147483647	Instant	100	Defines the time to play DTMF (in msec). Range: 0 to 65535 Mib name: acCPDigitCollectDTMFLength INI Name: DTMFDIGITLENGTH Profile name: Digital Megaco Profile
DTMF Inter Interval (msec)	Integer 0-65535	Instant	100	Defines the time between DTMFs played (in msec). Range: 0 to 65535 Mib name: acCPDigitCollectDTMFInterInterval INI Name: DTMFINTERDIGITINTERVAL Profile name: Digital Megaco Profile
Map TimeOut Timer (msec)	Integer -1-65535	Instant	-1	Defines the timeout value (T symbol) in a digit map, in increments of 10. For MEGACO, it's the start timer. For the others, it's the end timer. When the value is -1, it means the hardcoded value (16000). Mib name: acCPDigitCollectMapTimeOutTimer INI Name: DIGITMAPTIMEOUTTIMER Profile name: Digital Megaco Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Map Short Timer (msec)	Integer -1-65535	Instant	3000	Defines the short timer (S Symbol) value in millisecond, in a digit map.This timer is typically activated when the repetition symbol "." exists. When the value is -1, it means the hardcoded value (3000). Mib name: acCPDigitCollectMapShortTimer INI Name: CPDIGITMAPSHORTTIMER Profile name: Digital Megaco Profile
Map Long Timer (msec)	Integer -1-65535	Instant	16000	Defines the inter-digit long timer (L Symbol) value in millisecond, in a digit map.This timer is typically activated between collected digit when the end of the pattern is not reached yet. When the value is -1, it means the hardcoded value (16000). Mib name: acCPDigitCollectMapLongTimer INI Name: CPDIGITMAPLONGTIMER Profile name: Digital Megaco Profile
Digit Map Name	String Up to 30 chars.	Offline		Name of the provisioned digit map. Range: String[30] Mib name: acCPDigitMapDefaultName INI Name: DIGITMAPNAME Profile name: Digital Megaco Profile
Digit Map Patterns	String Up to 500 chars.	Offline		The digit map patterns separated by a vertical bar (|), as defined in the MEGACO RFC. Range = String[500] Mib name: acCPDigitMapPatterns INI Name: DIGITMAPPING Profile name: Digital Megaco Profile
Digit Map Dialed String Prefix	String Up to 8 chars.	Instant		Defines a prefix to add to the dialed string. Range = String[8] Mib name: acCPDigitMapDialedStringPrefix INI Name: DIALEDSTRINGPREFIX Profile name: Digital Megaco Profile

2.10 Frame: MTP2 Profile

2.10.1 Tab: MTP2 Profile

Frame: MTP2 Profile , Tab: MTP2 Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Link Rate	String Up to 1 chars.	Online		Defines the SS7 SLI Link Rate. Choose either: A = 64 kbps D = 56 kbps 0 = 64 kbps Mib name: acSS7MTP2AttribLinkRate INI Name: SS7MTP2PARMS_LINKRATE Profile name: Not Profiled
Error Correction Method	String Up to 1 chars.	Online		Defines the SLI error correction method. B = Basic P = PCR (Preventive Cyclic Retransmission) Mib name: acSS7MTP2AttribErrorCorectionMethod INI Name: SS7MTP2PARMS_ERRORCORRECTIONMETHOD Profile name: Not Profiled
Iac Cp	Integer 0-10	Online	5	Defines the number of aborted proving attempts before sending an out-of-service to MTP-3. Mib name: acSS7MTP2AttribIacCp INI Name: SS7MTP2PARMS_IACCP Profile name: Not Profiled
SUERM Threshold	Integer 0-256	Online	64	Defines the SS7 SUERM (Signal Unit Error Rate Monitor) T threshold. Mib name: acSS7MTP2AttribSUERMThreshold INI Name: SS7MTP2PARMS_SUERMT Profile name: Not Profiled
AERM Normal Threshold	Integer 0-20	Online	4	Normal AERM (alignment error rate monitor) threshold [0 to 20]. Mib name: acSS7MTP2AttribAERMNormalThreshold INI Name: SS7MTP2PARMS_AERMTIN Profile name: Not Profiled
AERM Emerg Threshold	Integer 0-10	Online	1	Emergency AERM (alignment error rate monitor) threshold [0 to 10]. Mib name: acSS7MTP2AttribAERMEmerglThreshold INI Name: SS7MTP2PARMS_AERMTIE Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
SUERM Sig Unit D Threshold	Integer 0-256	Online	256	Defines the SS7 Signal Unit error rate monitor D threshold. Mib name: acSS7MTP2AttribSUERMSigUnitDThreshold INI Name: SS7MTP2PARMS_SUERMSUD Profile name: Not Profiled
Octet Counting	Integer 0-256	Online	16	Defines the SS7 MTP2 Octet received while the OCTET is in counting mode (# of Octets received - N Octets - while in Octet counting mode). Mib name: acSS7MTP2AttribOctetCounting INI Name: SS7MTP2PARMS_OCTETCOUNTING Profile name: Not Profiled
Timer T1	Integer 0-100000	Online	50000	Defines the SS7 MTP2 T1 alignment ready timer (in msecs). Mib name: acSS7MTP2AttribTimerT1 INI Name: SS7MTP2PARMS_T1 Profile name: Not Profiled
Timer T2	Integer 0-200000	Online	150000	Defines the SS7 MTP2 T2 unaligned timer (in msecs). Mib name: acSS7MTP2AttribTimerT2 INI Name: SS7MTP2PARMS_T2 Profile name: Not Profiled
Timer T3	Integer 0-20000	Online	2000	Defines the SS7 MTP2 T3 timer aligned. Mib name: acSS7MTP2AttribTimerT3 INI Name: SS7MTP2PARMS_T3 Profile name: Not Profiled
Timer T4 Normal	Integer 0-15000	Online	8200	Defines the SS7 MTP2 T4n Normal proving period timer. Mib name: acSS7MTP2AttribTimerT4Normal INI Name: SS7MTP2PARMS_T4N Profile name: Not Profiled
Timer T4 Emerg	Integer 0-5000	Online	500	Defines the SS7 MTP2 T4e Emergency proving period timer (msec). Mib name: acSS7MTP2AttribTimerT4Emerg INI Name: SS7MTP2PARMS_T4E Profile name: Not Profiled
Timer T5	Integer 0-2400	Online	120	Defines the SS7 MTP2 Sending SIB timer. Mib name: acSS7MTP2AttribTimerT5 INI Name: SS7MTP2PARMS_T5 Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Timer T6	Integer 0-10000	Online	6000	Defines the SS7 MTP2 Remote Congestion timer (in msec). Mib name: acSS7MTP2AttribTimerT6 INI Name: SS7MTP2PARMS_T6 Profile name: Not Profiled
Timer T7	Integer 0-5000	Online	2000	Defines the SS7 MTP2 excessive delay of the ack timer (in msec). Mib name: acSS7MTP2AttribTimerT7 INI Name: SS7MTP2PARMS_T7 Profile name: Not Profiled
LSSU Length	Integer 1-2	Online	1	Defines the SS7 MTP2 LSSU length as 1 or 2 (bytes). Mib name: acSS7MTP2AttribLSSULength INI Name: SS7MTP2PARMS_LSSULENGTH Profile name: Not Profiled
Pcr N2	Integer 0-512	Online	200	This parameter is used to define Preventive Cyclic Retransmission - the number of message signal unit octets available for retransmission (ITU-T Q703 6.4 - Forced retransmission). Mib name: acSS7MTP2AttribPcrN2 INI Name: SS7MTP2PARMS_PCRN2 Profile name: Not Profiled

2.11 Frame: Network Parameters Provisioning

2.11.1 Tab: IP Interface Parameters

Frame: Network Parameters Provisioning, Tab: IP Interface Parameters

Parameter Name	Type	Provisioning Type	Default Value	Description
VLAN Mode	Enum: Disable(0), Enable(1)	Offline	0	Sets the VLAN functionality. 0 = Disable 1 = Enable Mib name: acSysVLANMode INI Name: VLANMODE Profile name: Digital Network Profile
Native VLAN ID	Integer 1-4094	Online	1	Sets the native VLAN identifier. Mib name: acSysVLANVlanNativeVlanId INI Name: VLANNATIVEVLANID Profile name: Digital Network Profile

2.11.2 Tab: QoS Settings

Frame: Network Parameters Provisioning, Tab: QoS Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Differential Services				
Network Service Class Diff Serv	Integer 0-63	Online	48	This parameter is used to set the DiffServ for Network service class content. Range = 0 to 63 Default = 48 Mib name: acSysVLANNetworkServiceClassDiffServ INI Name: NETWORKSERVICECLASSDIFFSERV Profile name: Digital Network Profile
Premium Service Class Media Diff Serv	Integer 0-63	Online	46	This parameter is used to set the DiffServ for Premium service class content and media traffic. Range = 0 to 63 Mib name: acSysVLANPremiumServiceClassMediaDiffServ INI Name: PREMIUMSERVICECLASSMEDIADIFFSERV Profile name: Digital Network Profile
Premium Service Class Control Diff Serv	Integer 0-63	Online	40	Sets the DiffServ for the Premium service class content and control traffic. Range: 0 to 63 Mib name: acSysVLANPremiumServiceClassControlDiffServ INI Name: PREMIUMSERVICECLASSCONTROLDIFFSERV Profile name: Digital Network Profile
Gold Service Class Diff Serv	Integer 0-63	Online	26	Sets the DiffServ for the Gold service class content. Range = 0 to 63 Default = 26 Mib name: acSysVLANGoldServiceClassDiffServ INI Name: GOLDSERVICECLASSDIFFSERV Profile name: Digital Network Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Bronze Service Class Diff Serv	Integer 0-63	Online	10	Sets the DiffServ for the Bronze service class content. Range = 0 to 63 Default = 10 Mib name: acSysVLANBronzeServiceClassDiffServ INI Name: BRONZESERVICECLASSDIFFSERV Profile name: Digital Network Profile
QoS Settings				
Network Service Class Priority	Integer 0-7	Online	7	This parameter is used to set the priority for Network service class content. Range = 0 to 7 Default = 7 Mib name: acSysVLANNetworkServiceClassPriority INI Name: VLANNETWORKSERVICECLASSPRIORITY Profile name: Digital Network Profile
Premium Service Class Media Priority	Integer 0-7	Online	6	Sets the priority for the Premium service class content and media traffic. Range = 0 to 7 Default = 6 Mib name: acSysVLANPremiumServiceClassMediaPriority INI Name: VLANPREMIUMSERVICECLASSMEDIAPRIORITY Profile name: Digital Network Profile
Gold Service Class Priority	Integer 0-7	Online	4	Sets the priority for the Gold service class content. Range = 0 to 7 Default = 4 Mib name: acSysVLANGoldServiceClassPriority INI Name: VLANGOLDSERVICECLASSPRIORITY Profile name: Digital Network Profile
Bronze Service Class Priority	Integer 0-7	Online	2	Sets the priority for the Bronze service class content. Range = 0 to 7 Default = 2 Mib name: acSysVLANBronzeServiceClassPriority INI Name: VLANBRONZESERVICECLASSPRIORITY Profile name: Digital Network Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Premium Service Class Control Priority	Integer 0-7	Online	6	Sets the priority for the Premium service class content and control traffic. Range = 0 to 7 Default = 6 Mib name: acSysVLANPremiumServiceClassControlPriority INI Name: VLANPREMIUMSERVICECLASSCONTROLPRIORITY Profile name: Digital Network Profile

2.11.3 Tab: Static Routes

Frame: Network Parameters Provisioning, Tab: Static Routes

Parameter Name	Type	Provisioning Type	Default Value	Description
Status	Enum: Active(1), NotInService(2), NotReady(3), CreateAndGo(4), CreateAndWait(5), Destroy(6)	Instant	1	The row status variable, used according to row installation and removal conventions. A row entry cannot be modified when the status is marked as active(1). Mib name: inetCidrRouteStatus Profile name: Not Profiled
Interface Index	Integer 0-256	Instant	1	The ifIndex value that identifies the local interface through which the next hop of this route should be reached. A value of 0 is valid and represents the scenario where no interface is specified. Mib name: inetCidrRouteIfIndex Profile name: Not Profiled
Primary Routing Metric	Integer -1-100	Instant	1	The primary routing metric for this route. The semantics of this metric are determined by the routing-protocol specified in the route's inetCidrRouteProto value. If this metric is not used, its value should be set to -1. Mib name: inetCidrRouteMetric1 Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Type	Enum: Other(1), Reject(2), Local(3), Remote(4), Black Hole(5), Static Inactive(6), Static Active(7), Automatic(8)	Read-Only	1	The type of route. Note that local(3) refers to a route for which the next hop is the final destination; remote(4) refers to a route for which the next hop is not the final destination. Routes that do not result in traffic forwarding or rejection should not be displayed, even if the implementation keeps them stored internally. reject(2) refers to a route that, if matched, discards the message as unreachable and returns a notification (e.g., ICMP error) to the message sender. This is used in some protocols as a means of correctly aggregating routes. blackhole(5) refers to a route that, if matched, discards the message silently. Mib name: inetCidrRouteType Profile name: Not Profiled

2.11.4 Tab: SCTP

Frame: Network Parameters Provisioning, Tab: SCTP

Parameter Name	Type	Provisioning Type	Default Value	Description
Heart Beat Interval	Integer 0-3600	Offline	30	Defines the SCTP heartbeat interval. Range: 1 to 3600 Mib name: acSysSCTPHeartBeatInterval INI Name: SCTPHBINTERVAL Profile name: Digital Network Profile
T4 SACK Timer	Integer 1-5	Offline	3	Defines the SCTP T4 SACK timer interval. Range: 1 to 5 Mib name: acSysSCTPT4SACKTimer INI Name: SCTPT4SACKTIMER Profile name: Digital Network Profile
Check Sum Method	Enum: Adler(0), Crc(1)	Offline	0	Stream Control Transmission Protocol (SCTP) uses a checksum mechanism in order to authenticate packets on both sides (the receiving side and the transmitting side). Presently, two checksum mechanisms are available: 0 = adler32 checksum mechanism 1 = crc32c checksum mechanism (improved mechanism) Mib name: acSysSCTPCheckSumMethod INI Name: SCTPCHECKSUMMETHOD Profile name: Digital Network Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Host Name	String Up to 255 chars.	Offline	NULL	When this parameter is set to any value other than an empty string, SCTP (Stream Control Transmission Protocol) uses the value as the value of the FQDN (Fully Qualified Domain Name) parameter attached to the INIT chunk. In this case, the FQDN parameter replaces any IP address parameters in the INIT chunk. This feature enables overcoming NAT problems where the original IP addresses belonging to the endpoint supports are converted into pseudo addresses. When this parameter is not set (default), the INIT chunk is sent without any FQDN parameter. Range = String[42] Mib name: acSysSCTPHostName INI Name: SCTPHOSTNAME Profile name: Digital Network Profile
SCTP Associations Num	Integer 1-8	Offline	3	Defines the maximum number of Stream Control Transmission Protocol (SCTP) associations that can be opened. Range: 1 to 8 Mib name: acSysSCTPAssociationsNum INI Name: SCTPASSOCIATIONSNUM Profile name: Digital Network Profile

2.11.5 Tab: General Settings

Frame: Network Parameters Provisioning, Tab: General Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Disable ICMP Redirects	Enum: Disable(0), Enable(1)	Instant	0	Disable ICMP Redirect messages. When set to 0 ICMP Redirect messages are not ignored. Mib name: acSysNetworkSettingsDisableICMPRedirects INI Name: DISABLEICMPREDIRECTS Profile name: Not Profiled

2.12 Frame: NFAS Settings Provisioning

2.12.1 Tab: NFAS Setting

Frame: NFAS Settings Provisioning, Tab: NFAS Setting

Parameter Name	Type	Provisioning Type	Default Value	Description
Trunk Id	Integer 0-83	Read-Only	0	Trunk ID at board in which the call is taking place Mib name: acTrunkIndex Profile name: Not Profiled
ISDN NFAS Interface ID	Integer 0-255	Online	0	Defines the Interface ID. Works with NS_EXPLICIT_INTERFACE_ID. Refer to the VoPLib documentation(ISDN Flexible Behavior). Default = (unsigned char)-1. Range = 0 to 255 Mib name: acTrunkISDNNfasInterfaceId INI Name: ISDNNFASINTERFACEID Profile name: Not Profiled
Group Number	Integer 0-12	Online	0	Relevant only for T1 ISDN NFAS trunks indicates the group number of the NFAS group. ;Valid NFAS group numbers are only 1 to 9, 0 indicating that this trunk is not NFAS (in this case the ISDNNFASInterfaceID and DchConfig parameters are ignored). Mib name: acTrunkISDNNfasGroupNumber INI Name: NFASGROUPNUMBER Profile name: Not Profiled
D-channel configuration	Enum: acDCH-CONFIG-PRIMARY(0), acDCH-CONFIG-BACKUP(1), acDCH-CONFIG-NFAS(2)	Online	0	Defines D-channel configuration. This setting is only applicable to ISDN PRI protocols that support NFAS and/or D-channel backup procedures. 0 = D-channel is Primary 1 = Backup 2 = NFAS Mib name: acTrunkISDNNfasDchConfig INI Name: DCHCONFIG Profile name: Not Profiled
Trunk Admin State	Enum: Locked(0), UnLocked(1)	Online	0	Trunk Administrative State Mib name: acTrunkAdministrativeState Profile name: Not Profiled

2.13 Frame: Security Provisioning

2.13.1 Tab: IPSec Proposal

Frame: Security Provisioning, Tab: IPSec Proposal

Parameter Name	Type	Provisioning Type	Default Value	Description
Index	Integer 0-4	NA	0	Index Field for line. Mib name: acSysIPsecProposalIndex INI Name: IPSECPROPOSALTABLE_INDEX Profile name: Not Profiled
IPSec Enable	Enum: No(0), Yes(1)	Offline	0	IPsec Enable flag Mib name: acSysIPSecEnable INI Name: ENABLEIPSEC Profile name: Not Profiled
Row Status	Enum:	NA	0	ROWSTATUS Field for line. Mib name: acSysIPsecProposalRowStatus INI Name: IPSECPROPOSALTABLE_ROWSTATUS Profile name: Not Profiled
Strict IKE certificate validation	Enum: disabled(0), enabled(1)	Instant	0	Enables or disables certificate extension checking for IKE. Mib name: acSysIPSecIKECertificateExtValidate INI Name: IKECERTIFICATEEXTVALIDATE Profile name: Not Profiled
Encryption Algorithm	Enum: none(0), desCbc(1), tripleDesCbc(2), aes(3)	Online	0	Selects the encryption (privacy) algorithm to use. Mib name: acSysIPsecProposalEncryptionAlgorithm INI Name: IPSECPROPOSALTABLE_ENCRYPTIONALGORITHM Profile name: Not Profiled
Authentication Algorithm	Enum: none(0), hmacSha1-96(2), hmacMd5-96(4)	Online	0	Selects the message authentication (integrity) algorithm to use. Mib name: acSysIPsecProposalAuthenticationAlgorithm INI Name: IPSECPROPOSALTABLE_AUTHENTICATIONALGORITHM Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
DiffieHellman Group	Enum: group1-768Bits(0), group2-1024Bits(1)	Online	0	Selects the Diffie-Hellman group to use. Mib name: acSysIPsecProposalDiffieHellmanGroup INI Name: IPSECPROPOSALTABLE_DHGROUP Profile name: Not Profiled

2.13.2 Tab: IPSec SA

Frame: Security Provisioning, Tab: IPSec SA

Parameter Name	Type	Provisioning Type	Default Value	Description
Index	Integer 0-20	NA	0	Index Field for line. Mib name: acSysIPsecSAIndex INI Name: IPSECSATABLE_INDEX Profile name: Not Profiled
Row Status	Enum:	NA	0	ROWSTATUS Field for line. Mib name: acSysIPsecSARowStatus INI Name: IPSECSATABLE_ROWSTATUS Profile name: Not Profiled
Operational Mode	Enum: Transport(0), Tunnel(1)	Online	0	Selects the IPSec mode of operation.;0 = Transport mode (default);1 = Tunnel mode; Mib name: acSysIPsecSAIPsecMode INI Name: IPSECSATABLE_IPSECMODE Profile name: Not Profiled
Remote Tunnel Address	String Up to 45 chars.	Online		IP address of the peer router. Mib name: acSysIPsecSARemoteTunnelAddress INI Name: IPSECSATABLE_REMOTETUNNELADDRESS Profile name: Not Profiled
Remote Subnet IP Address	String Up to 45 chars.	Online		IP address of the remote subnetwork. Mib name: acSysIPsecSARemoteSubnetIPAddress INI Name: IPSECSATABLE_REMOTESUBNETIPADDRESS Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Remote Subnet Prefix Length	Integer 0-128	Online	0	Prefix length of the Remote Subnet IP Address parameter (in bits). Mib name: acSysIPsecSARemoteSubnetPrefixLength INI Name: IPSECSATABLE_REMOTESUBNETPREFIXLENGTH Profile name: Not Profiled
Remote Endpoint Address	String Up to 98 chars.	Online		IP address or DNS host name of the peer. Mib name: acSysIPsecSARemoteEndpointAddress INI Name: IPSECSATABLE_REMOTEENDPOINTADDRESSORNAME Profile name: Not Profiled
Authentication Method	Enum: presharedKey (0), RSASignature (1)	Online	0	Selects the method used for peer authentication during IKE main mode. Mib name: acSysIPsecSAAuthenticationMethod INI Name: IPSECSATABLE_AUTHENTICATIONMETHOD Profile name: Not Profiled
Shared Key	String	Online	79	Defines the pre-shared key (in textual format). Mib name: acSysIPsecSASharedKey INI Name: IPSECSATABLE_SHAREDKEY Profile name: Not Profiled
Source Port	Integer 0-65535	Online	0	Defines the source port to which this configuration applies. Mib name: acSysIPsecSASourcePort INI Name: IPSECSATABLE_SOURCEPORT Profile name: Not Profiled
Dest Port	Integer 0-65535	Online	0	Defines the destination port to which this configuration applies. Mib name: acSysIPsecSADestPort INI Name: IPSECSATABLE_DESTPORT Profile name: Not Profiled
Protocol	Integer 0-255	Online	0	Defines the protocol type to which this configuration applies. Standard IP protocol numbers should be used, e.g.:;0 = Any protocol (default);17 = UDP;6 = TCP; Mib name: acSysIPsecSAProtocol INI Name: IPSECSATABLE_PROTOCOL Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Phase1 Sa Lifetime (Sec)	Integer 0-2147483647	Online	0	Determines the duration (in seconds) for which the negotiated IKE SA (main mode) is valid. After the time expires, the SA is re-negotiated. Mib name: acSysIPsecSAPhase1SaLifetimeInSec INI Name: IPSECSATABLE_PHASE1SALIFETIMEINSEC Profile name: Not Profiled
Phase2 Sa Lifetime (Sec)	Integer 0-2147483647	Online	0	Determines the duration (in seconds) for which the negotiated IPSec SA (quick mode) is valid. After the time expires, the SA is re-negotiated. Mib name: acSysIPsecSAPhase2SaLifetimeInSec INI Name: IPSECSATABLE_PHASE2SALIFETIMEINSEC Profile name: Not Profiled
Phase2 Sa Lifetime (KB)	Integer 0-2147483647	Online	0	Determines the maximum volume of traffic (in kilobytes) for which the negotiated IPSec SA (quick mode) is valid. Mib name: acSysIPsecSAPhase2SaLifetimeInKB INI Name: IPSECSATABLE_PHASE2SALIFETIMEINKB Profile name: Not Profiled
DPD mode	Enum: DPDDisabled(0), DPDPeriodic(1), DPDOnDemand(2)	Online	0	Controls dead peer detection (DPD) as per RFC 3706. Mib name: acSysIPsecSADPDmode INI Name: IPSECSATABLE_DPDMODE Profile name: Not Profiled
Interface Name		Online		Select the OID of the interface name corresponding to the one appearing in the interface table. The OID should be 1.3.6.1.4.1.5003.9.10.10.1.3.1.30.22.1.11. acSysInterfaceIndex Note: when ignore a default value will be SET: 0.0 Mib name: acSysIPsecSAInterfaceName INI Name: IPSECSATABLE_INTERFACENAME Profile name: Not Profiled

2.13.3 Tab: Firewall Settings

Frame: Security Provisioning, Tab: Firewall Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Index	Integer 0-49	NA	0	Index Field for line. Internal parameter. Mib name: acSysAccessListIndex INI Name: ACCESSLIST_INDEX Profile name: Not Profiled
Status	Enum:	NA	0	ROWSTATUS field for line. Internal parameter. Mib name: acSysAccessListRowStatus Profile name: Digital Firewall Profile
Source IP	String Up to 60 chars.	Online		Source IP for access rule Mib name: acSysAccessListSourceIP INI Name: ACCESSLIST_SOURCE_IP Profile name: Digital Firewall Profile
Start Port	Integer 0-65535	Online	0	Port range - start Mib name: acSysAccessListStartPort INI Name: ACCESSLIST_START_PORT Profile name: Digital Firewall Profile
End Port	Integer 0-65535	Online	0	Port range - end Mib name: acSysAccessListEndPort INI Name: ACCESSLIST_END_PORT Profile name: Digital Firewall Profile
Protocol	String Up to 10 chars.	Online		IP user-level protocol (TCP, UDP, ICMP, ESP, SIP, MGCP, TPNCP, ANY or numeric value) Mib name: acSysAccessListProtocol INI Name: ACCESSLIST_PROTOCOL Profile name: Digital Firewall Profile
Packet Size	Integer 0-65535	Online	0	Maximum packet size (0 = unused) Mib name: acSysAccessListPacketSize INI Name: ACCESSLIST_PACKET_SIZE Profile name: Digital Firewall Profile
Byte Rate	Integer 0-2147483647	Online	0	Allowed traffic in bytes per second (0 = unused) Mib name: acSysAccessListByteRate INI Name: ACCESSLIST_BYTE_RATE Profile name: Digital Firewall Profile
Byte Burst	Integer 0-2147483647	Online	0	Allowed traffic burst in bytes (0 = unused) Mib name: acSysAccessListByteBurst INI Name: ACCESSLIST_BYTE_BURST Profile name: Digital Firewall Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Allow Type	Enum: notSet(0), allow(1), block(2)	Online	0	Allow or block traffic matching this rule Mib name: acSysAccessListAllowType INI Name: ACCESSLIST_ALLOW_TYPE Profile name: Digital Firewall Profile
Match Count	Integer 0-65535	Read-Only	0	Statistics: number of matched packets Mib name: acSysAccessListMatchCount INI Name: ACCESSLIST_MATCHCOUNT Profile name: Digital Firewall Profile
Interface Name	String Up to 15 chars.	Online		Name of the specific interface the rule applies to. None - default value when no interface was chosen. Mib name: acSysAccessListInterfaceName INI Name: ACCESSLIST_INTERFACE_ID Profile name: Digital Firewall Profile
Use Specific Interface	Enum: disable(0), enable(1)	Online	0	Rule for specific interface or for the entire interfaces Mib name: acSysAccessListUseSpecificInterface INI Name: ACCESSLIST_USE_SPECIFIC_INTERFACE Profile name: Digital Firewall Profile
Source Port	Integer 0-65535	Online	0	Source Port Mib name: acSysAccessListSourcePort INI Name: ACCESSLIST_SOURCE_PORT Profile name: Digital Firewall Profile
Prefix Length	Integer 0-128	Online	0	Prefix length of source IP address (defining a subnet). Mib name: acSysAccessListPrefixLength INI Name: ACCESSLIST_PREFIXLEN Profile name: Digital Firewall Profile

2.14 Frame: SNMP Provisioning

2.14.1 Tab: SNMP Managers Table

Frame: Snmp Provisioning, Tab: SNMP Managers Table

Parameter Name	Type	Provisioning Type	Default Value	Description
Row Status	Enum: Active(1), NotInService(2), NotReady(3), CreateAndGo(4), CreateAndWait(5), Destroy(6)	Instant	1	The status of this conceptual row. To create a row in this table, a manager must set this object to either createAndGo(4) or createAndWait(5). Until instances of all corresponding columns are appropriately configured, the value of the corresponding instance of the snmpTargetAddrRowStatus column is 'notReady'. In particular, a newly created row cannot be made active until the corresponding instances of snmpTargetAddrTDomain, snmpTargetAddrTAddress, and snmpTargetAddrParams have all been set. The following objects may not be modified while the value of this object is active(1): - snmpTargetAddrTDomain - snmpTargetAddrTAddress An attempt to set these objects while the value of snmpTargetAddrRowStatus is active(1) will result in an inconsistentValue error. Mib name: snmpTargetAddrRowStatus Profile name: Not Profiled
Address	String Up to 255 chars.	Instant	0.0.0.0:0	This object contains a transport address. The format of this address depends on the value of the snmpTargetAddrTDomain object. Mib name: snmpTargetAddrTAddress Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Params	String Up to 255 chars.	Instant	1	The value of this object identifies an entry in the snmpTargetParamsTable. The identified entry contains SNMP parameters to be used when generating messages to be sent to this transport address. Mib name: snmpTargetAddrParams Profile name: Not Profiled

2.14.2 Tab: SNMPv3 Users

Frame: Snmp Provisioning, Tab: SNMPv3 Users

Parameter Name	Type	Provisioning Type	Default Value	Description
User Status	Enum: Active(1), NotInService(2), NotReady(3), CreateAndGo(4), CreateAndWait(5), Destroy(6)	Instant	1	The status of this conceptual row. Until instances of all corresponding columns are appropriately configured, the value of the corresponding instance of the usmUserStatus column is 'notReady'. In particular, a newly created row for a user who employs authentication, cannot be made active until the corresponding usmUserCloneFrom and usmUserAuthKeyChange have been set. Further, a newly created row for a user who also employs privacy, cannot be made active until the usmUserPrivKeyChange has been set. The RowStatus TC [RFC2579] requires that this DESCRIPTION clause states under which circumstances other objects in this row can be modified: The value of this object has no effect on whether other objects in this conceptual row can be modified, except for usmUserOwnAuthKeyChange and usmUserOwnPrivKeyChange. For these 2 objects, the value of usmUserStatus MUST be active. Mib name: usmUserStatus Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Security Name	String Up to 32 chars.	Instant	1	A human readable string representing the user in Security Model independent format. The default transformation of the User-based Security Model dependent security ID to the securityName and vice versa is the identity function so that the securityName is the same as the userName. Mib name: usmUserSecurityName Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Auth Protocol	Enum: None(0), MD5(1), SHA(2)	Instant	1	An indication of whether messages sent on behalf of this user to/from the SNMP engine identified by usmUserEngineID, can be authenticated, and if so, the type of authentication protocol which is used. An instance of this object is created concurrently with the creation of any other object instance for the same user (i.e., as part of the processing of the set operation which creates the first object instance in the same conceptual row). If an initial set operation (i.e. at row creation time) tries to set a value for an unknown or unsupported protocol, then a 'wrongValue' error must be returned. The value will be overwritten/set when a set operation is performed on the corresponding instance of usmUserCloneFrom. Once instantiated, the value of such an instance of this object can only be changed via a set operation to the value of the usmNoAuthProtocol. If a set operation tries to change the value of an existing instance of this object to any value other than usmNoAuthProtocol, then an 'inconsistentValue' error must be returned. If a set operation tries to set the value to the usmNoAuthProtocol while the usmUserPrivProtocol value in the same row is not equal to usmNoPrivProtocol, then an 'inconsistentValue' error must be returned. That means that an SNMP command generator application must first ensure that the usmUserPrivProtocol is set to the usmNoPrivProtocol value before it can set the usmUserAuthProtocol value to usmNoAuthProtocol. Mib name: usmUserAuthProtocol Profile name: Not Profiled
Auth Key Change	String Up to 255 chars.	Instant	1	Password Mib name: usmUserAuthKeyChange Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Privacy Protocol	Enum: None(0), DES(1), AES(2)	Instant	0	An indication of whether messages sent on behalf of this user to/from the SNMP engine identified by usmUserEngineID, can be protected from disclosure, and if so, the type of privacy protocol which is used. An instance of this object is created concurrently with the creation of any other object instance for the same user (i.e., as part of the processing of the set operation which creates the first object instance in the same conceptual row). If an initial set operation (i.e. at row creation time) tries to set a value for an unknown or unsupported protocol, then a 'wrongValue' error must be returned. The value will be overwritten/set when a set operation is performed on the corresponding instance of usmUserCloneFrom. Once instantiated, the value of such an instance of this object can only be changed via a set operation to the value of the usmNoPrivProtocol. If a set operation tries to change the value of an existing instance of this object to any value other than usmNoPrivProtocol, then an 'inconsistentValue' error must be returned. Note that if any privacy protocol is used, then you must also use an authentication protocol. In other words, if usmUserPrivProtocol is set to anything else than usmNoPrivProtocol, then the corresponding instance of usmUserAuthProtocol cannot have a value of usmNoAuthProtocol. If it does, then an 'inconsistentValue' error must be returned. Mib name: usmUserPrivProtocol Profile name: Not Profiled
Privacy Key Change	String Up to 255 chars.	Instant	1	Password Mib name: usmUserPrivKeyChange Profile name: Not Profiled

2.15 Frame: Sonet/SDH Parameters Provisioning

2.15.1 Tab: Sonet/SDH General Info

Frame: Sonet/SDH Parameters Provisioning, Tab: Sonet/SDH General Info

Parameter Name	Type	Provisioning Type	Default Value	Description
Medium Type	Enum: unknown(0), sonet(1), sdh(2)	Instant	1	This variable identifies whether a SONET or a SDH signal is used across this interface. Mib name: sonetMediumType Profile name: Digital Sonet/SDH Profile
Medium Line Coding	Enum: sonetMediumOther(1), sonetMediumB3ZS(2), sonetMediumCMI(3), sonetMediumNRZ(4), sonetMediumRZ(5)	Instant	1	This variable describes the line coding for this interface. The B3ZS and CMI are used for electrical SONET/SDH signals (STS-1 and STS-3). The Non-Return to Zero (NRZ) and the Return to Zero are used for optical SONET/SDH signals. Mib name: sonetMediumLineCoding Profile name: Digital Sonet/SDH Profile
Medium Line Type	Enum: sonetOther(1), sonetShortSingleMode(2), sonetLongSingleMode(3), sonetMultiMode(4), sonetCoax(5), sonetUTP(6)	Instant	1	This variable describes the line type for this interface. The line types are Short and Long Range Single Mode fiber or Multi-Mode fiber interfaces, and coax and UTP for electrical interfaces. The value sonetOther should be used when the Line Type is not one of the listed values. Mib name: sonetMediumLineType Profile name: Digital Sonet/SDH Profile
Medium Circuit Identifier	String Up to 255 chars.	Instant		This variable contains the transmission vendor's circuit identifier, for the purpose of facilitating troubleshooting. Note that the circuit identifier, if available, is also represented by ifPhysAddress. Mib name: sonetMediumCircuitIdentifier Profile name: Digital Sonet/SDH Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Fiber Group Mapping Type	Enum: asynchronousVT15andDS1(0), asynchronousTU12andE1(1), STS1asynchronousDS3(3), undefined(15)	Offline	0	Selects SDH/SONET mapping type (signal label + payload mapping type) for the PSTN interface. Generally per Fiber Group. Single Fiber Group supported in the PSTN interface of TP6310 and TP12610. Applicable only to the TP-6310 and TP-12610. Relevant only when acSysTDMBusType = acFRAMERS (2). 0 = Asynchronous VT1.5 and DS1 1 = Asynchronous TU12 and E1 3 = Asynchronous mapping of DS3 in STS1, DS3 channelized to DS1s 15 = Undefined Should be in coordination with other parameters as follows: - sonetMediumType - acTrunkProtocolType Mib name: acSonetSDHFbrGrpMappingType INI Name: SDHFBRGRP_MAPPING_TYPE Profile name: Not Profiled
Fiber Group KLM Numbering Scheme	Enum: NumberingScheme-MLK(0), NumberingScheme-LMK(1), NumberingScheme-KLM(2)	Offline	0	Provides VC/VT numbering scheme for STM-1/OC3 fiber group. Mib name: acSonetSDHFbrGrpKlmNumberingScheme INI Name: SDHFBRGRP_KLM_NUMBERING_SCHEME Profile name: Not Profiled
Fiber Group APS Direction Mode	Enum: Unidirectional(0), Bidirectional(1)	Offline	0	Sets the Automatic Protection Switch Unidir/Bidir mode for the Fiber Group. Mib name: acSonetSDHFbrGrpAPSDirectionMode INI Name: SDHFBRGRP_APS_DIRMODE Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Fiber Group APS Revert Mode	Enum: NonRevertive(0), Revertive(1)	Offline	0	Sets the Automatic Protection Switch Revertive mode for the Fiber Group. Mib name: acSonetSDHFbrGrpAPSRevertMode INI Name: SDHFBRGRP_APS_REVERTMODE Profile name: Not Profiled
Fiber Group APS Wait To Restore Time	Integer 5-12	Offline	5	Sets the APS Wait-to-restore time for the Fiber Group. Mib name: acSonetSDHFbrGrpAPSWaitToRestore Time INI Name: SDHFBRGRP_APS_WTR Profile name: Not Profiled

2.16 Frame: SS7 Alias Point Code

SS7 is not supported in this release.

2.16.1 Tab: SS7 Alias Point Code

SS7 is not supported in this release.

Frame: SS7 Alias Point Code, Tab: SS7 Alias Point Code

Parameter Name	Type	Provisioning Type	Default Value	Description
Point Code Name	String Up to 15 chars.	Online		String name for Alias PC parameters Mib name: acSS7APCName INI Name: SS7_ALIAS_PC_NAME Profile name: Not Profiled
Point Code (PC)	Integer 0-2147483647	Online	0	Alias Point-Code of signaling node. Mib name: acSS7APCPC INI Name: SS7_APC_PC Profile name: Not Profiled
Signaling Network Indicator (SNI)	Integer 2-5	Online	2	SNI (Signaling Network Indicator) of Alias Point-Code. Mib name: acSS7APCSNI INI Name: SS7_APC_SNI Profile name: Not Profiled
MTC Busy	Enum: No(0), Yes(1)	Read-Only	0	Manual busy status of Alias PC. Mib name: acSS7APCMtcBusy INI Name: SS7_ALIAS_PC_MTC_BUSY Profile name: Not Profiled

2.17 Frame: SS7 Data Link

SS7 is not supported in this release.

2.17.1 Tab: Data Link General Info

SS7 is not supported in this release.

Frame: SS7 Data Link , Tab: Data Link General Info

Parameter Name	Type	Provisioning Type	Default Value	Description
Name	String Up to 15 chars.	Online		String name for Link paramaters Mib name: acSS7LinkCommonName INI Name: SS7_LINK_NAME Profile name: Not Profiled
Admin State	Enum: OffLine(0), InService(2)	Read-Only	0	Administrative state of singnalling link. Mib name: acSS7LinkCommonAdminState INI Name: SS7_LINK_ADMINISTRATIVE_STATE Profile name: Not Profiled
Oper State	Enum: OffLine(0), Busy(1), InService(2)	Read-Only	0	Operational state of singnalling link. Mib name: acSS7LinkCommonOperState INI Name: SS7_LINK_OPERATIONAL_STATE Profile name: Not Profiled
Trace Level	Enum: TraceLevel0(0), TraceLevel1(1)	Online	0	Trace level of singnalling link (level 2). Mib name: acSS7LinkCommonTraceLevel INI Name: SS7_LINK_TRACE_LEVEL Profile name: Not Profiled
L2 Type Selector	Enum: nonetype-L2(0), mtp2(1), m2ua-mgc(2), ss7monitoring(4)	Online	0	Link layer 2 type - defines level 2 media of signaling link. Mib name: acSS7LinkCommonL2TypeSelector INI Name: SS7_LINK_L2_TYPE Profile name: Not Profiled
L3 Type Selector	Enum: nonetype-L3(0), m2ua-sg(1), mtp3(2), mtp2-tunneling(3), mtp2OverIP(4), ss7monitoring(5)	Online	0	Link high layer type - defines level 3 or L2 high layer of signalling link. Mib name: acSS7LinkCommonL3TypeSelector INI Name: SS7_LINK_L3_TYPE Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
MTC Busy	Enum: No(0), Yes(1)	Read-Only	0	Link local busy indicator - if set, indicates link is busy due to local mtc action. Mib name: acSS7LinkCommonMtcBusy INI Name: SS7_LINK_MTC_BUSY Profile name: Not Profiled
Rdcy Board Num	Enum: RdcyBoardNum0(0), RdcyBoardNum1(1), RdcyBoardNum2(2)	Online	0	Board number in which the link is physically connected. Mib name: acSS7LinkCommonRdcyBoardNum INI Name: SS7_LINK_RDCY_BOARD Profile name: Not Profiled
Mon Su Filter Request	Enum: FilterAll(0), FilterLSSUandFISU(1), FilterFISU(2), NoFilter(3)	Online	0	SS7 Monitoring link SU filter- Defines the type of SU message to filter. 0: Filter all types of SU messages 1: Filter LSSU and FISU messages 2: Filter only FISU messages 3: Do not filter any message. Mib name: acSS7LinkCommonMonSuFilterRequest INI Name: SS7_LINK_MON_SU_FILTER Profile name: Not Profiled

2.17.2 Tab: Data Link TDM

SS7 is not supported in this release.

Frame: SS7 Data Link , Tab: Data Link TDM

Parameter Name	Type	Provisioning Type	Default Value	Description
Trunk Number	Integer -1-84	Online	-1	Trunk number of singnalling link (TDM). Mib name: acSS7LinkTDMTrunkNumber INI Name: SS7_LINK_TRUNK_NUMBER Profile name: Not Profiled
Time Slot Number	Integer 1-31	Online	1	Time-Slot number of singnalling link (TDM). Mib name: acSS7LinkTDMTimeSlotNumber INI Name: SS7_LINK_TIMESLOT_NUMBER Profile name: Not Profiled
Inhibit	Enum: UnInhibited(0), Inhibited(1)	Read-Only	0	Link inhibit indicator - if set, indicates link is inhibited.. Mib name: acSS7LinkTDMInhibit INI Name: SS7_LINK_INHIBITION Profile name: Not Profiled
MTP2 Atts	Enum: Mtp2Atts0(0), Mtp2Atts1(1), Mtp2Atts2(2), Mtp2Atts3(3)	Online	0	MTP2 attributes of singnalling link (TDM). Mib name: acSS7LinkTDMMtp2Atts INI Name: SS7_LINK_MTP2_ATTRIBUTES Profile name: Not Profiled
Variant	Enum: itu(1), ansi(2), China(3)	Online	0	Variant (layer 2) of singnalling link (TDM). Mib name: acSS7LinkCommonVariant INI Name: SS7_LINK_LAYER2_VARIANT Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Congestion Low Mark	Integer 0-255	Online	0	Link congestion low mark of signalling link (TDM). Mib name: acSS7LinkTDMCongestionLowMark INI Name: SS7_CONGESTION_LOW_MARK Profile name: Not Profiled
Congestion High Mark	Integer 0-255	Online	0	Link congestion high mark of signalling link (TDM). Mib name: acSS7LinkTDMCongestionHighMark INI Name: SS7_CONGESTION_HIGH_MARK Profile name: Not Profiled
Block	Enum: L3linkunblocked(0), L3linklocalblocked(1), L3linkremoteblockde(2), L3linklocalandremotelocked(3)	Read-Only	0	Link blocked indicator. Mib name: acSS7LinkTDMBlock INI Name: SS7_LINK_BLOCKED Profile name: Not Profiled

2.17.3 Tab: Data Link UAL

SS7 is not supported in this release.

Frame: SS7 Data Link , Tab: Data Link UAL

Parameter Name	Type	Provisioning Type	Default Value	Description
Group ID	Integer -1-65534	Online	-1	Group ID (M2UA) of signaling link. Mib name: acSS7LinkSigTranGroupId INI Name: SS7_LINK_GROUP_ID Profile name: Not Profiled
Interface ID	Integer -1-2147483647	Online	-1	Interface ID (M2UA) of singnalling link. Mib name: acSS7LinkSigTranIfid INI Name: SS7_LINK_M2UA_IF_ID Profile name: Not Profiled

2.17.4 Tab: Data Link Tunneling

SS7 is not supported in this release.

Frame: SS7 Data Link , Tab: Data Link Tunneling

Parameter Name	Type	Provisioning Type	Default Value	Description
Other Side Link Num	Integer 0-128	Online	0	MTP2 Tunneling: MGC link number (MTP2 'other side' of signaling link). Mib name: acSS7LinkTNLOtherSideLinkNum INI Name: SS7_LINK_TNL_MGC_LINK_NUMBER Profile name: Not Profiled
Alignment Mode	Enum: Normal(0), Emergency(1)	Online	0	MTP2 Tunneling: Alignment mode of signalling links in tunnel. Mib name: acSS7LinkTNLAlignmentMode INI Name: SS7_LINK_TNL_ALIGNMENT_MODE Profile name: Not Profiled
Congestion Mode	Enum: Accept(0), Discard(1)	Online	0	MTP2 Tunneling: Congestion mode of signalling links in tunnel. Mib name: acSS7LinkTNLCongestionMode INI Name: SS7_LINK_TNL_CONGESTION_MODE Profile name: Not Profiled
Wait Start Comp Timer	Integer 0-2147483647	Online	0	MTP2 Tunneling: wait start complete timer. Mib name: acSS7LinkTNLWaitStartCompTimer INI Name: SS7_LINK_TNL_WAIT_START_COMPLETE_TIMER Profile name: Not Profiled
Oos Start Delay Timer	Integer 0-2147483647	Online	0	MTP2 Tunneling: OOS start delay timer. Mib name: acSS7LinkTNLOosStartDelayTimer INI Name: SS7_LINK_TNL_OOS_START_DELAY_TIMER Profile name: Not Profiled
Wait Other Side In sv Timer	Integer 0-2147483647	Online	0	MTP2 Tunneling: wait for other side to be in service timer. Mib name: acSS7LinkTNLWaitOtherSideInsvTimer INI Name: SS7_LINK_TNL_WAIT_OTHER_SIDE_INSV_TIMER Profile name: Not Profiled

2.18 Frame: SS7 Link Set

SS7 is not supported in this release.

2.18.1 Tab: SS7 Linkset

SS7 is not supported in this release.

Frame: SS7 Link Set, Tab: SS7 Linkset

Parameter Name	Type	Provisioning Type	Default Value	Description
Name	String Up to 15 chars.	Online		String name for LINKSET Params Mib name: acSS7LinkSetName INI Name: SS7_LINKSET_NAME Profile name: Not Profiled
Admin State	Enum: OffLine(0), InService(2)	Read-Only	0	Administrative state of singnalling linkset. Mib name: acSS7LinkSetAdminState INI Name: SS7_LINKSET_ADMINISTRATIVE_STATE Profile name: Not Profiled
Oper State	Enum: OffLine(0), Busy(1), InService(2)	Read-Only	0	Operational state of singnalling linkset. Mib name: acSS7LinkSetOperState INI Name: SS7_LINKSET_OPERATIONAL_STATE Profile name: Not Profiled
Mtc Busy State	Enum: No(0), Yes(1)	Read-Only	0	Manual busy status of singnalling linkset. Mib name: acSS7LinkSetMtcBusyState INI Name: SS7_LINKSET_MTC_BUSY_STATUS Profile name: Not Profiled
DPC	Integer 0-2147483647	Online	0	Destination Point-Code of singnalling linkset. Mib name: acSS7LinkSetDPC INI Name: SS7_LINKSET_DPC Profile name: Not Profiled
Links Mask	Integer 0-255	Online	0	Mask for links within singnalling linkset. Mib name: acSS7LinkSetLinksMask INI Name: SS7_LINKSET_MASK Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Links Alt Mask	Integer 0-255	Online	0	Alternate mask for links within singnalling linkset. Mib name: acSS7LinkSetLinksAltMask INI Name: SS7_LINKSET_ALTERNATE_MASK Profile name: Not Profiled
Timers Idx	Enum: TimersIdx0(0), TimersIdx1(1), TimersIdx2(2), TimersIdx3(3), TimersIdx4(4)	Online	0	Timers Index of singnalling linkset. Mib name: acSS7LinkSetTimersIdx INI Name: SS7_LINKSET_TIMERS_INDEX Profile name: Not Profiled

2.19 Frame: SS7 Linkset Link

SS7 is not supported in this release.

2.19.1 Tab: SS7 Linkset Link

SS7 is not supported in this release.

Frame: SS7 Linkset Link, Tab: SS7 Linkset Link

Parameter Name	Type	Provisioning Type	Default Value	Description
LinkNo	Integer 0-128	Online	0	Physical number of signalling link which is part of the Linkset. Mib name: acSS7LinkSetLinkLinkNo INI Name: SS7_LINKSETLINK_LINK_NUMBER Profile name: Not Profiled
LinkSlc	Integer 0-15	Online	0	SLC number of signaling link which is part of the Linkset. Mib name: acSS7LinkSetLinkLinkSlc INI Name: SS7_LINKSETLINK_LINK_SLC Profile name: Not Profiled

2.20 Frame: SS7 Linkset Timers

SS7 is not supported in this release.

2.20.1 Tab: SS7 Linkset Profiles

SS7 is not supported in this release.

Frame: SS7 Linkset Timers, Tab: SS7 Linkset Profiles

Parameter Name	Type	Provisioning Type	Default Value	Description
Name	String Up to 15 chars.	Online		String name for Linkset timer-set Mib name: acSS7LinkSetTimersName INI Name: SS7_LKSETTIMERS_NAME Profile name: Not Profiled
T1 SLT	Integer 500-2147483647	Online	500	Supervision timer for signalling link test acknowledgement message Mib name: acSS7LinkSetTimersT1SLT INI Name: SS7_LKSETTIMERS_T1SLT Profile name: Not Profiled
T2 SLT	Integer 500-2147483647	Online	500	Interval timer for sending signalling link test messages. Mib name: acSS7LinkSetTimersT2SLT INI Name: SS7_LKSETTIMERS_T2SLT Profile name: Not Profiled
T1	Integer 500-2147483647	Online	500	Delay to avoid message mis-sequencing on changeover. Mib name: acSS7LinkSetTimersT1 INI Name: SS7_LKSETTIMERS_T1 Profile name: Not Profiled
T2	Integer 500-2147483647	Online	500	Waiting for changeover acknowledgement. Mib name: acSS7LinkSetTimersT2 INI Name: SS7_LKSETTIMERS_T2 Profile name: Not Profiled
T3	Integer 500-2147483647	Online	500	Time controlled diversion-delay to avoid mis-sequencing on changeback Mib name: acSS7LinkSetTimersT3 INI Name: SS7_LKSETTIMERS_T3 Profile name: Not Profiled
T4	Integer 500-2147483647	Online	500	Waiting for changeback acknowledgement (first attempt). Mib name: acSS7LinkSetTimersT4 INI Name: SS7_LKSETTIMERS_T4 Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
T5	Integer 500-2147483647	Online	500	Waiting for changeback acknowledgement (second attempt). Mib name: acSS7LinkSetTimersT5 INI Name: SS7_LKSETTIMERS_T5 Profile name: Not Profiled
T7	Integer 500-2147483647	Online	500	Waiting for signalling data link connection acknowledgement. Mib name: acSS7LinkSetTimersT7 INI Name: SS7_LKSETTIMERS_T7 Profile name: Not Profiled
T12	Integer 500-2147483647	Online	500	Waiting for uninhibit acknowledgement. Mib name: acSS7LinkSetTimersT12 INI Name: SS7_LKSETTIMERS_T12 Profile name: Not Profiled
T13	Integer 500-2147483647	Online	500	Waiting for force uninhibit. Mib name: acSS7LinkSetTimersT13 INI Name: SS7_LKSETTIMERS_T13 Profile name: Not Profiled
T14	Integer 500-2147483647	Online	500	Waiting for inhibition acknowledgement. Mib name: acSS7LinkSetTimersT14 INI Name: SS7_LKSETTIMERS_T14 Profile name: Not Profiled
T17	Integer 500-2147483647	Online	500	Delay to avoid oscillation of initial alignment failure and link restart. Mib name: acSS7LinkSetTimersT17 INI Name: SS7_LKSETTIMERS_T17 Profile name: Not Profiled
T20 ANSI	Integer 500-2147483647	Online	500	Local inhibit test timer. Mib name: acSS7LinkSetTimersT20ANSI INI Name: SS7_LKSETTIMERS_T20_ANSI Profile name: Not Profiled
T21 ANSI	Integer 500-2147483647	Online	500	Remote inhibit test timer. Mib name: acSS7LinkSetTimersT21ANSI INI Name: SS7_LKSETTIMERS_T21_ANSI Profile name: Not Profiled
T22 ITU	Integer 500-2147483647	Online	500	Local inhibit test timer. Mib name: acSS7LinkSetTimersT22ITU INI Name: SS7_LKSETTIMERS_T22_ITU Profile name: Not Profiled
T23 ITU	Integer 500-2147483647	Online	500	Remote inhibit test timer. Mib name: acSS7LinkSetTimersT23ITU INI Name: SS7_LKSETTIMERS_T23_ITU Profile name: Not Profiled

2.21 Frame: SS7 Node

SS7 is not supported in this release.

2.21.1 Tab: SS7 Node

SS7 is not supported in this release.

Frame: SS7 Node, Tab: SS7 Node

Parameter Name	Type	Provisioning Type	Default Value	Description
Name	String Up to 15 chars.	Online		String name for SN Params Mib name: acSS7SignalingNodeName INI Name: SS7_SN_NAME Profile name: Not Profiled
Trace Level	Enum: TraceLevel0(0), TraceLevel1(1)	Online	0	Trace level of singnalling node (level 3). Mib name: acSS7SignalingNodeTraceLevel INI Name: SS7_SN_TRACE_LEVEL Profile name: Not Profiled
Admin State	Enum: OffLine(0), InService(2)	Read-Only	0	Administrative state of singnalling node. Mib name: acSS7SignalingNodeAdminState INI Name: SS7_SN_ADMINISTRATIVE_STATE Profile name: Not Profiled
Oper State	Enum: OffLine(0), Busy(1), InService(2)	Read-Only	0	Operational state of singnalling node. Mib name: acSS7SignalingNodeOperState INI Name: SS7_SN_OPERATIONAL_STATE Profile name: Not Profiled
MTC Busy	Enum: No(0), Yes(1)	Read-Only	0	Manual busy status of singnalling node. Mib name: acSS7SignalingNodeMtcBusy INI Name: SS7_SN_MTC_BUSY_STATUS Profile name: Not Profiled
Opc	Integer 0-2147483647	Online	0	Origination (local) point-code of singnalling node. Mib name: acSS7SignalingNodeOpc INI Name: SS7_SN_OPC Profile name: Not Profiled
Rdcy Opc	Integer 0-2147483647	Read-Only	0	Internal point-code of singnalling node - in case of SS7 shared point code. Mib name: acSS7SignalingNodeRdcyOpc INI Name: SS7_SN_RDCY_OPC Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Variant	Enum: itu(1), ansi(2), China(3)	Online	0	Variant of singnalling node. Mib name: acSS7SignalingNodeVariant INI Name: SS7_SN_VARIANT Profile name: Not Profiled
Nw Indicator	Enum: International(0), InternationalSpare(1), National(2), NationalSpare(3)	Online	0	Network Indicator of singnalling node. Mib name: acSS7SignalingNodeNwIndicator INI Name: SS7_SN_NI Profile name: Not Profiled
Sp Stp	Enum: Sp(0), Stp(1)	Online	0	Routing function of singnalling node. Mib name: acSS7SignalingNodeSpStp INI Name: SS7_SN_SP_STP Profile name: Not Profiled
Timers Idx	Enum: TimersIdx0(0), TimersIdx1(1), TimersIdx2(2), TimersIdx3(3), TimersIdx4(4)	Online	0	Index of SNTimers table used for this signaling node. Mib name: acSS7SignalingNodeTimersIdx INI Name: SS7_SN_TIMERS_INDEX Profile name: Not Profiled
Isup App	Enum: Nill(0), Ual(4), L4Gen(7)	Online	0	Level 4 application that handles ISUP traffic for this singnalling node. Mib name: acSS7SignalingNodeIsupApp INI Name: SS7_SN_ISUP_APP Profile name: Not Profiled
Sccp App	Enum: Nill(0), Ual(4), L4Gen(7)	Online	0	Level 4 application that handles SCCP traffic for this singnalling node. Mib name: acSS7SignalingNodeSccpApp INI Name: SS7_SN_SCCP_APP Profile name: Not Profiled
Bisup App	Enum: Nill(0), Ual(4), L4Gen(7)	Online	0	Level 4 application that handles BISUP traffic for this singnalling node. Mib name: acSS7SignalingNodeBisupApp INI Name: SS7_SN_BISUP_APP Profile name: Not Profiled
Tup App	Enum: Nill(0), Ual(4), L4Gen(7)	Online	0	Level 4 application that handles TUP traffic for this signaling node. Mib name: acSS7SignalingNodeTupApp INI Name: SS7_SN_TUP_APP Profile name: Not Profiled

2.22 Frame: SS7 Node Redundancy Common Parameters Frame

SS7 is not supported in this release.

2.22.1 Tab: SS7 Redundancy Common

SS7 is not supported in this release.

Frame: SS7 Node Redundancy Common Parameters Frame, Tab: SS7 Redundancy Common

Parameter Name	Type	Provisioning Type	Default Value	Description
Cross Link Transfer Type	Enum: none(0), tcp(2)	Offline	0	Defines the cross-board connection media type for the MTP3 redundancy feature: 0 = M3BRDCY_CONN_TYPE_NONE 2 = M3BRDCY_CONN_TYPE_TCP Mib name: acSS7RedundancyCrossLinkTransferType INI Name: SS7MTP3RDCYTRANSFERTYPE Profile name: Not Profiled
Mode	Enum: disable(0), enable(1)	Offline	0	Defines the MTP3 Signaling redundancy mode: 0 = Disabled 1 = Enabled Mib name: acSS7RedundancyMode INI Name: SS7MTP3RDCYMODE Profile name: Not Profiled
Board Num	Integer 0-2	Offline	0	Defines the board number for the SS7 (Signaling System 7) MTP3 redundancy mode. Each board is allocated a unique number. All boards share a single redundancy table. Mib name: acSS7RedundancyBoardNum INI Name: SS7MTP3RDCYBOARDNUM Profile name: Not Profiled
MTP3 Redundancy Table Sync Interval	Integer 0-144000	Instant	0	Defines the interval between SS7 tables automatic synchronizations, in minutes. 0 = no automatic synchronization is activated. Mib name: acSS7RedundancyMTP3RdcyTblSyncInterval Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Sync All Boards	Enum: noAction(0), Sync(1)	Instant	0	Provide SYNC all boards command Mib name: acSS7RedundancySyncAllBoards Profile name: Not Profiled
Sync Board	Integer 0-2147483647	Instant	0	Provide SYNC between this board and another specific board (parameter is the remote board number) Mib name: acSS7RedundancySyncBoard Profile name: Not Profiled
Keep Alive Window	Integer 1-15	Offline	1	Defines redundancy X-link keep-alive tolerance window. (x-link between boards in Signaling System 7 (SS7) MTP3-User Adaptation Layer redundancy mode). Mib name: acSS7RedundancyKeepAliveWindow INI Name: SS7MTP3RDCYKEEPALIVEWINDOW Profile name: Not Profiled
Keep Alive Interval	Integer 0-100	Offline	0	Defines redundancy X-link keep-alive interval in secs. (x-link between boards in Signaling System 7 (SS7) MTP3-User Adaptation Layer redundancy mode). 0 = no keep-alive mechanism is activated. Mib name: acSS7RedundancyKeepAliveInterval INI Name: SS7MTP3RDCYKEEPALIVEINTERVAL Profile name: Not Profiled

2.23 Frame: SS7 Node Timers

SS7 is not supported in this release.

2.23.1 Tab: SS7 Node Profiles

SS7 is not supported in this release.

Frame: SS7 Node Timers, Tab: SS7 Node Profiles

Parameter Name	Type	Provisioning Type	Default Value	Description
Name	String Up to 15 chars.	Online		String name for SN timer-set Mib name: acSS7SignalingNodeTimersName INI Name: SS7_SNTIMERS_NAME Profile name: Not Profiled
T6	Integer 500-2147483647	Online	500	Delay to avoid message mis-sequencing on controlled rerouting. Mib name: acSS7SignalingNodeTimersT6 INI Name: SS7_SNTIMERS_T6 Profile name: Not Profiled
T8	Integer 500-2147483647	Online	500	Transfer prohibited inhibition timer (transient solution). Mib name: acSS7SignalingNodeTimersT8 INI Name: SS7_SNTIMERS_T8 Profile name: Not Profiled
T10	Integer 500-2147483647	Online	500	Waiting to repeat signalling route set test message. Mib name: acSS7SignalingNodeTimersT10 INI Name: SS7_SNTIMERS_T10 Profile name: Not Profiled
T11	Integer 500-2147483647	Online	500	Transfer restricted timer. Mib name: acSS7SignalingNodeTimersT11 INI Name: SS7_SNTIMERS_T11 Profile name: Not Profiled
T15	Integer 500-2147483647	Online	500	Waiting to start signalling route set congestion test. Mib name: acSS7SignalingNodeTimersT15 INI Name: SS7_SNTIMERS_T15 Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
T16	Integer 500-2147483647	Online	500	Waiting for route set congestion status update. Mib name: acSS7SignalingNodeTimersT16 INI Name: SS7_SNTIMERS_T16 Profile name: Not Profiled
T18 ITU	Integer 500-2147483647	Online	500	Timer within a signalling point whose MTP restarts for supervising link and link set activation as well as the receipt of routing information. Mib name: acSS7SignalingNodeTimersT18ITU INI Name: SS7_SNTIMERS_T18_ITU Profile name: Not Profiled
T19 ITU	Integer 500-2147483647	Online	500	Supervision timer during MTP restart to avoid possible ping-pong of TFP, TFR and TRA messages. Mib name: acSS7SignalingNodeTimersT19ITU INI Name: SS7_SNTIMERS_T19_ITU Profile name: Not Profiled
T20 ITU	Integer 500-2147483647	Online	500	Overall MTP restart timer at the signalling point whose MTP restarts. Mib name: acSS7SignalingNodeTimersT20ITU INI Name: SS7_SNTIMERS_T20_ITU Profile name: Not Profiled
T21 ITU	Integer 500-2147483647	Online	500	Overall MTP restart timer at a signalling point adjacent to one whose MTP restarts. Mib name: acSS7SignalingNodeTimersT21ITU INI Name: SS7_SNTIMERS_T21_ITU Profile name: Not Profiled
T24 ITU	Integer 500-2147483647	Online	500	Stabilising timer after removal of local processor outage, used in LPO latching to RPO (national option). Mib name: acSS7SignalingNodeTimersT24ITU INI Name: SS7_SNTIMERS_T24_ITU Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
T22 ANSI	Integer 500-2147483647	Online	500	Timer at restarting SP waiting for signalling links to bacome available. Mib name: acSS7SignalingNodeTimersT22ANSI INI Name: SS7_SNTIMERS_T22_ANSI Profile name: Not Profiled
T23 ANSI	Integer 500-2147483647	Online	500	Timer at restarting SP, started after T22, waiting to receive all traffic restart allowed messages. Mib name: acSS7SignalingNodeTimersT23ANSI INI Name: SS7_SNTIMERS_T23_ANSI Profile name: Not Profiled
T24 ANSI	Integer 500-2147483647	Online	500	Timer at restarting SP with transfer function, started after T23, waiting to broadcast all traffic restart allowed messages. Mib name: acSS7SignalingNodeTimersT24ANSI INI Name: SS7_SNTIMERS_T24_ANSI Profile name: Not Profiled
T25 ANSI	Integer 500-2147483647	Online	500	Timer at SP adjacent to restarting SP waiting for traffic restart allowed message. Mib name: acSS7SignalingNodeTimersT25ANSI INI Name: SS7_SNTIMERS_T25_ANSI Profile name: Not Profiled
T26 ANSI	Integer 500-2147483647	Online	500	Timer at restarting SP waiting to repeat traffic restart waiting message. Mib name: acSS7SignalingNodeTimersT26ANSI INI Name: SS7_SNTIMERS_T26_ANSI Profile name: Not Profiled
T27 ANSI	Integer 500-2147483647	Online	500	This parameter is used to define the minimum duration of unavailability for a full restart. Mib name: acSS7SignalingNodeTimersT27ANSI INI Name: SS7_SNTIMERS_T27_ANSI Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
T28 ANSI	Integer 500-2147483647	Online	500	Timer at SP adjacent to restarting SP waiting for traffic restart waiting message. Mib name: acSS7SignalingNodeTimersT28ANSI INI Name: SS7_SNTIMERS_T28_ANSI Profile name: Not Profiled
T29 ANSI	Integer 500-2147483647	Online	500	Timer started when TRA sent in response to unexpected TRA or TRW. Mib name: acSS7SignalingNodeTimersT29ANSI INI Name: SS7_SNTIMERS_T29_ANSI Profile name: Not Profiled
T30 ANSI	Integer 500-2147483647	Online	500	Timer to limit sending of TFPs and TFRs in response to unexpected TRA or TRW. Mib name: acSS7SignalingNodeTimersT30ANSI INI Name: SS7_SNTIMERS_T30_ANSI Profile name: Not Profiled

2.24 Frame: SS7 Redundancy

SS7 is not supported in this release.

2.24.1 Tab: SS7 Node Redundancy

SS7 is not supported in this release.

Frame: SS7 Redundancy, Tab: SS7 Node Redundancy

Parameter Name	Type	Provisioning Type	Default Value	Description
Board Ip	IPAddress	Online		IP address of the board. Mib name: acSS7RedundantSNBoardIp INI Name: SS7_RDCYSN_BOARD_IP Profile name: Not Profiled
OPC	Integer 0-2147483647	Online	0	Internal point-code of the SN (Signaling Node). Mib name: acSS7RedundantSNOPC INI Name: SS7_RDCYSN_OPC Profile name: Not Profiled

2.25 Frame: SS7 Route Frame

SS7 is not supported in this release.

2.25.1 Tab: SS7 Route

SS7 is not supported in this release.

Frame: SS7 Route Frame, Tab: SS7 Route

Parameter Name	Type	Provisioning Type	Default Value	Description
LinkSet No	Integer 0-128	Online	0	Number of signalling linkset which is part of the Routeset. Mib name: acSS7RouteSetRouteLinkSetNo INI Name: SS7_ROUTESETROUTE_LINKSET_NUMBER Profile name: Not Profiled
Priority	Integer 0-254	Online	0	Priority of route within routeset. Mib name: acSS7RouteSetRoutePriority INI Name: SS7_ROUTESETROUTE_PRIORITY Profile name: Not Profiled

2.26 Frame: SS7 Routeset

SS7 is not supported in this release.

2.26.1 Tab: SS7 Route Set

SS7 is not supported in this release.

Frame: SS7 Routeset, Tab: SS7 Route Set

Parameter Name	Type	Provisioning Type	Default Value	Description
Name	String Up to 15 chars.	Online		String name for ROUTESET Params Mib name: acSS7RouteSetName INI Name: SS7_ROUTESET_NAME Profile name: Not Profiled
AdminState	Enum: OffLine(0), InService(2)	Read-Only	0	Administrative state of signalling route set. Mib name: acSS7RouteSetAdminState INI Name: SS7_ROUTESET_ADMINISTRATIVE_STATE Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Oper State	Enum: OffLine(0), Busy(1), InService(2)	Read-Only	0	Operational state of signalling route set. Mib name: acSS7RouteSetOperState INI Name: SS7_ROUTESET_OPERATIONAL_STATE Profile name: Not Profiled
DPC	Integer 0-2147483647	Online	0	Destination Point-Code of singnalling routesetset. Mib name: acSS7RouteSetDPC INI Name: SS7_ROUTESET_DPC Profile name: Not Profiled
Route Mask	Integer 0-255	Online	0	Mask for route within signaling routeset. Mib name: acSS7RouteSetRouteMask INI Name: SS7_ROUTESET_MASK Profile name: Not Profiled

2.27 Frame: SS7 Routing Context

SS7 is not supported in this release.

2.27.1 Tab: SS7 Routing Context

SS7 is not supported in this release.

Frame: SS7 Routing Context, Tab: SS7 Routing Context

Parameter Name	Type	Provisioning Type	Default Value	Description
Sn Idx	Integer 0-5	Online	0	This parameter is used to specify the M3UA Routing Context DPC SN-Index. Mib name: acSS7SigTranRoutingContextSnIdx INI Name: SS7_RC_SN_INDEX Profile name: Not Profiled
Spc	Integer -1-16777215	Read-Only	-1	This parameter is used to specify the M3UA Routing Context DPC parameter Mib name: acSS7SigTranRoutingContextSpc INI Name: SS7_RC_SPC Profile name: Not Profiled
Origination Point Code(OPC)				

Parameter Name	Type	Provisioning Type	Default Value	Description
Opc1	Integer -1-16777215	Online	-1	This parameter is used to specify the M3UA Routing Context,First element of OPC list. Mib name: acSS7SigTranRoutingContextOpc1 INI Name: SS7_RC_OPC1 Profile name: Not Profiled
Opc2	Integer -1-16777215	Online	-1	This parameter is used to specify the M3UA Routing Context,Second element of OPC list. Mib name: acSS7SigTranRoutingContextOpc2 INI Name: SS7_RC_OPC2 Profile name: Not Profiled
Opc3	Integer -1-16777215	Online	-1	This parameter is used to specify the M3UA Routing Context, Third element of OPC list. Mib name: acSS7SigTranRoutingContextOpc3 INI Name: SS7_RC_OPC3 Profile name: Not Profiled
Opc4	Integer -1-16777215	Online	-1	This parameter is used to specify the M3UA Routing Context, Fourth element of OPC list. Mib name: acSS7SigTranRoutingContextOpc4 INI Name: SS7_RC_OPC4 Profile name: Not Profiled
Service Indicators List(SI)				
Si1	Integer -1-15	Online	-1	This parameter is used to specify the M3UA Routing Context, First element of SI list. Mib name: acSS7SigTranRoutingContextSi1 INI Name: SS7_RC_SI1 Profile name: Not Profiled
Si2	Integer -1-15	Online	-1	This parameter is used to specify the M3UA Routing Context, Second element of SI list. Mib name: acSS7SigTranRoutingContextSi2 INI Name: SS7_RC_SI2 Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Si3	Integer -1-15	Online	-1	This parameter is used to specify the M3UA Routing Context, Third element of SI list. Mib name: acSS7SigTranRoutingContextSi3 INI Name: SS7_RC_SI3 Profile name: Not Profiled
Si4	Integer -1-15	Online	-1	This parameter is used to specify the M3UA Routing Context, Fourth element of SI list. Mib name: acSS7SigTranRoutingContextSi4 INI Name: SS7_RC_SI4 Profile name: Not Profiled

2.28 Frame: System Settings Provisioning

2.28.1 Tab: Diagnostics

Frame: System Settings Provisioning, Tab: Diagnostics

Parameter Name	Type	Provisioning Type	Default Value	Description
Enable Diagnostics	Enum: Disabled(0), BuiltInTest(1), BuiltInTestwithPartialFlash(2), BuiltInTestWithSDRAM(3), BuiltInTestOnUtopiaVxb(4), InternalUse(99)	Offline	0	Checks the correct functionality of the different hardware components on the board. On completion of the check, the board sends an EV_END_BIT value, which contains information on the test results of each hardware component. 0 = No diagnostics (default) 1 = Perform diagnostics (full test of DSPs, PCM, Switch, LAN, PHY and Flash) 2 = Perform diagnostics (full test of DSPs, PCM, Switch, LAN, PHY, but partial, test of Flash, a quicker mode) Mib name: acSysDiagnosticsEnable INI Name: ENABLEDIAGNOSTICS Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Enable Performance Threshold Alarms	Enum: Disable(0), Enable(1)	Instant	0	This parameter enables sending SNMP traps and Syslog messages when performance of the device is degraded (according to the configured thresholds). Mib name: acSysDiagnosticsEnablePerformanceThresholdAlarms INI Name: PM_ENABLETHRESHOLDALARMS Profile name: Not Profiled
Syslog enable	Enum: Disable(0), Enable(1)	Online	0	Enable SysLog protocol log. Mib name: acSyslogEnable INI Name: ENABLESYSLOG Profile name: Not Profiled
Syslog server Ip Address	IP Address	Online	0.0.0.0	This parameter defines the IP address in dotted format notation. e.g., 192.10.1.255 Range = Legal IP address Mib name: acSyslogServerIPAddress INI Name: SYSLOGSERVERIP Profile name: Not Profiled
Syslog Server Port Number	Integer 0-65535	Online	514	Defines the Port number of the Syslog Server. Range = Legal Port Number Mib name: acSyslogAcSyslogServerPortNumber INI Name: SYSLOGSERVERPORT Profile name: Not Profiled
Syslog Facility	Integer 16-23	Online	16	parameter to determine the facility number at syslog messages. can be: 16 = local use 0 (local0) 17 = local use 1 (local1) .. 23 = local use 0 (local7) Mib name: acSyslogFacility INI Name: SYSLOGFACILITY Profile name: Not Profiled

2.28.2 Tab: Application Settings

Frame: System Settings Provisioning, Tab: Application Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
NTP				
Primary Server IP Address	IP Address	Instant	0	This parameter is used to define the NTP server's IP address. Range = Legal IP address Mib name: acSysNTPServerIPAddress INI Name: NTPSERVERIP Profile name: Digital System Profile
Secondary Server IP	IPAddress	Instant	0	Defines the NTP Secondary Server IP address. Mib name: acSysNTPSecondaryServerIP INI Name: NTPSECONDARYSERVERIP Profile name: Digital System Profile
Utc Offset (seconds)	Integer -43200-43200	Instant	0	This parameter is used to define the NTP time to offset, in seconds. Default = 0 Range = -43200 to +43200 seconds Mib name: acSysNTPUtcOffset INI Name: NTPSERVERUTCOFFSET Profile name: Digital System Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Update Interval (seconds)	Integer 1-2147483647	Instant	86400	This parameter defines the NTP update interval, in seconds. It's inadvisable to set it exceeding 1 month (2592000 seconds). Range = 0 to 2592000 seconds Default = 86400 seconds Mib name: acSysNTPUpdateInterval INI Name: NTPUPDATEINTERVAL Profile name: Digital System Profile
Day Light Saving Time				
Mode	Enum: Disable(0), Enable(1)	Instant	0	Determines whether to enable the time ajustment to day light saving time while update time from NTP server Mib name: acSysDayLightSavingTimeMode INI Name: DAYLIGHTSAVINGTIMEENABLE Profile name: Digital System Profile
Offset (min)	Integer 0-120	Instant	60	when DayLightSavingTimeEnable is Enable, this parametes determine the fix size in minutes: 0-120 Mib name: acSysDayLightSavingTimeOffset INI Name: DAYLIGHTSAVINGTIMEOFFSET Profile name: Digital System Profile
Start (mo:dd:hh:mm)	String Up to 11 chars.	Instant		This parameter defines the date and time of starting day light time in current year. Format mo:dd:hh:mm Mib name: acSysDayLightSavingTimeStart INI Name: DAYLIGHTSAVINGTIMESTART Profile name: Digital System Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
End (mo:dd:hh:mm)	String Up to 11 chars.	Instant		This parameter defines the date and time of ending day light time in current year. Format mo:dd:hh:mm. Mib name: acSysDayLightSavingTimeEnd INI Name: DAYLIGHTSAVINGTIMEEND Profile name: Digital System Profile
STUN				
STUN Enable	Enum: Disable(0), Enable(1)	Offline	0	This parameter is used to enable the STUN module, used for NAT traversal of UDP packets. Mib name: acSysSTUNEnable INI Name: ENABLESTUN Profile name: Digital System Profile
Primary Server IP	IP Address	Offline	0	Defines the primary STUN Server IP address. Range = Legal IP address Mib name: acSysSTUNPrimaryServerIP INI Name: STUNSERVERPRIMARYIP Profile name: Digital System Profile
Secondary Server IP	IP Address	Offline	0	Defines the secondary STUN server IP address. Range = Legal IP address Mib name: acSysSTUNSecondaryServerIP INI Name: STUNSERVERSECONDARYIP Profile name: Digital System Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Binding Life Time	Integer 0-2147483647	Offline	30	This parameter is used to define the NAT binding lifetime, in seconds. STUN refreshes the binding information after this time expires. Range = 0 - 2592000 Mib name: acSysSTUNBindingLifeTime INI Name: NATBINDINGDEFAULTTIMEOUT Profile name: Digital System Profile
System NAT Type	Enum: stunDisabled(-1), none(0), fullCone(1), restricted(2), portRestricted(3), symmetric(4), symmetricFireWall(5), blocked(6), unknown(7), natIdentificationInProgress(10)	Read-Only	0	Identified NAT type.;-1 - STUN client is disabled;0 - None;1 - FullCone;2 - Restricted;3 - PortRestricted;4 - Symmetric;5 - SymmetricFireWall;6 - Blocked;7 - Unknown;10 - NAT identification in progress Mib name: acSysNATType Profile name: Not Profiled
Keep Alive Trap Port	Integer 0-65334	Instant	162	The port to which the keep alive traps are sent to. Mib name: acSysSNMPKeepAliveTrapPort INI Name: KEEPALIVETRAPPORT Profile name: Digital System Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
DHCP				
DHCP Enable	Enum: Disable(0), Enable(1)	Online	0	Enables/disables DHCP support. 0 = Disable 1 = Enable After the gateway is powered up, it attempts to communicate with a BootP server. If a BootP server does not respond and if DHCP is enabled, the gateway attempts to obtain its IP address and other network parameters from the DHCP server. Note that throughout the DHCP procedure, the BootP/TFTP application must be deactivated. If it isn?t deactivated, the gateway receives a response from the BootP server instead of the DHCP server. For additional information on DHCP, refer to the product documentation. Note: DHCPEnable is a special ?Hidden? parameter. Once defined and saved in flash memory, its assigned value doesn?t revert to its default even if the parameter doesn't appear in the INI file. Mib name: acSysIPDHCPEnable INI Name: DHCPENABLE Profile name: Digital System Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
DHCP Speed Factor	Integer 0-10	Offline	1	Controls the DHCP renewal speed. When set to 0, the DHCP lease renewal is disabled. Otherwise, the renewal time is divided by this factor. Some DHCP-enabled routers perform better when set to 4. 0 = Disable DHCP 1 = Normal 2 to 10 = Fast Mib name: acSysIPDHCPSpeedFactor INI Name: DHCPSPEEDFACTOR Profile name: Digital System Profile

2.28.3 Tab: NFS Settings

Frame: System Settings Provisioning, Tab: NFS Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Index	Integer 0-15	NA	0	Index Field for line. Internal parameter. Index can be up to 15 in dependency of board type. Mib name: acSysNFSIndex INI Name: NFSSERVERS_INDEX Profile name: Not Profiled
Status	Enum:	NA	0	ROWSTATUS field for line. Internal parameter. Mib name: acSysNFSRowStatus Profile name: Digital NFS Profile
Host Or IP	String Up to 39 chars.	Online		The domain name or IP address of the NFS server. If a domain name is provided, then a DNS server must be configured. Mib name: acSysNFSHostOrIP INI Name: NFSSERVERS_HOSTORIP Profile name: Digital NFS Profile
Root Path	String Up to 99 chars.	Online		Path to the root of the exported file system. Mib name: acSysNFSRootPath INI Name: NFSSERVERS_ROOTPATH Profile name: Digital NFS Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Nfs Version	Enum: v2(2), v3(3)	Online	3	NFS version to use with this remote file system, 2 or 3 (default). Mib name: acSysNFSNfsVersion INI Name: NFSSERVERS_NFSVERSION Profile name: Digital NFS Profile
Auth Type	Enum: null(0), unix(1)	Online	1	Identifies the authentication method used with this remote file system, 0 for AUTH_NULL, 1 for AUTH_UNIX (default). Mib name: acSysNFSAuthType INI Name: NFSSERVERS_AUTHTYPE Profile name: Digital NFS Profile
UID	Integer 0-2147483647	Online	0	User ID used in authentication if using AUTH_UNIX. The default is 0. Mib name: acSysNFSUID INI Name: NFSSERVERS_UID Profile name: Digital NFS Profile
GID	Integer 0-2147483647	Online	1	Group ID used in authentication if using AUTH_UNIX. The default is 1. Mib name: acSysNFSGID INI Name: NFSSERVERS_GID Profile name: Digital NFS Profile
Vlan Type	Enum: oam(0), media(1)	Online	0	The VLAN, OAM(0) or Media(1), to use when accessing this remote file system. The default is to use;the media VLAN. This parameters applies only if multiple IP addresses are configured on this board. Mib name: acSysNFSVlanType INI Name: NFSSERVERS_VLANTYPE Profile name: Digital NFS Profile

2.28.4 Tab: Security Settings

Frame: System Settings Provisioning, Tab: Security Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
TLS & Certificates				
TLS Version	Integer 0-1	Online	0	This parameter defines the supported versions of SSL/TLS. When set to 0, SSL/TLS handshakes always start with SSL 2.0 and switch to TLS 1.0 if both peers support it. When set to 1, TLS 1.0 is the only version supported; clients attempting to contact the device using SSL 2.0 will be rejected. Possible values: 0 = SSL 2.0, SSL 3.0, and TLS 1.0 are supported (default) 1 = TLS 1.0 will always be used Mib name: acSysSecurityTLSVersion INI Name: TLSVERSION Profile name: Not Profiled
TLS FIPS 140 Mode	Enum: disabled(0), enabled(1)	Offline	0	Determines whether to enable the FIPS140 mode for TLS. Mib name: acSysSecurityTLSFIPS140Mode INI Name: TLS_FIPS140_MODE Profile name: Digital System Profile
HTTPS Cipher String	String Up to 200 chars.	Offline	0	Requires client certificates for HTTPS connection. The client certificate must be preloaded on the gateway, and its matching private key must be installed on the managing computer. Time and date must be correctly set on the gateway, for the client certificate to be verified. Mib name: acSysWEBHTTPSCipherString INI Name: HTTPSCIPHERSTRING Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
HTTPS Require Client Certificate	Enum: disable(0), enable(1)	Online	0	Requires client certificates for HTTPS connection. The client certificate must be preloaded on the gateway, and its matching private key must be installed on the managing computer. Time and date must be correctly set on the gateway, for the client certificate to be verified. Mib name: acSysSecurityHTTPSRequireClientCertificate INI Name: HTTPSREQUIRECLIENTCERTIFICATE Profile name: Digital System Profile
AUPD Verify Certificates	Enum: disable(0), enable(1)	Online	0	This parameter configures the AutoUpdate facility to verify server certificates when using HTTPS. Mib name: acSysSecurityAUPDVerifyCertificates INI Name: AUPDVERIFYCERTIFICATES Profile name: Digital System Profile
TLS Expiry Check Start	Integer 0-3650	Instant	60	The system will report when the TLS server certificate is about to expire within this number of days. Mib name: acSysSecurityTLSExpiryCheckStart INI Name: TLSEXPIRYCHECKSTART Profile name: Digital System Profile
TLS Expiry Check Period	Integer 1-3650	Instant	7	Defines how often the system will check for TLS server certificate expiry (in days). Mib name: acSysSecurityTLSExpiryCheckPeriod INI Name: TLSEXPIRYCHECKPERIOD Profile name: Digital System Profile
OCSP				
OCSP Enable	Enum: disabled(0), enabled(1)	Instant	0	Enables or disables certificate checking via OCSP. Mib name: acSysSecurityOcspEnable INI Name: OCSPENABLE Profile name: Digital System Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
OCSP Server IP Type	inetAddressType	Instant		This parameter defines the OCSP server's IP address Type. 0 - unknown 1 - IPv4 2 - IPv6 Mib name: acSysSecurityOcspServerIPType Profile name: Digital System Profile
OCSP Server IP	String Up to chars.	Instant		This parameter defines the OCSP server's IP address. Range = Legal IP address Mib name: acSysSecurityOcspServerIP INI Name: OCSPSERVERIP Profile name: Digital System Profile
OCSP Secondary Server IP Type	inetAddressType	Instant		This parameter defines the OCSP secondary server's IP address Type. 0 - unknown 1 - IPv4 2 - IPv6 Mib name: acSysSecurityOcspSecondaryServerIPType Profile name: Not Profiled
OCSP Secondary Server IP	String Up to chars.	Instant		This parameter defines the OCSP secondary server IP address. Range = Legal IP address Mib name: acSysSecurityOcspSecondaryServerIP INI Name: OCSPSECONDARYSERVERIP Profile name: Not Profiled
OCSP Server Port	Integer 1-32767	Instant	2560	This parameter defines the OCSP server's TCP port number. Range = 1 to 32767. Mib name: acSysSecurityOcspServerPort INI Name: OCSPSERVERPORT Profile name: Digital System Profile
OCSP Default Response	Enum: rejectPeerCertificate(0), allowPeerCertificate(1)	Instant	0	Determines default OCSP behavior when the server cannot be contacted. 0 = reject peer certificate. 1 = allow peer certificate. Mib name: acSysSecurityOcspDefaultResponse INI Name: OCSPDEFAULTRESPONSE Profile name: Digital System Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Require Strict Certification	Enum: disable(0), enable(1)	Online	0	Verify the certification strictly - for SSL Mib name: acSysSecurityRequireStrictCertification INI Name: REQUIRESTRICTCERT Profile name: Digital System Profile

2.28.5 Tab: License

Frame: System Settings Provisioning, Tab: License

Parameter Name	Type	Provisioning Type	Default Value	Description
Supported Features	String Up to 484 chars.	Read-Only		List of all avtivated features. Mib name: acSysLicenseKeyActiveList Profile name: Not Profiled

2.28.6 Tab: Logging

Frame: System Settings Provisioning, Tab: Logging

Parameter Name	Type	Provisioning Type	Default Value	Description
Index	Integer 0-29	Read-Only	0	The index of the cost group. Mib name: loggingFiltersIndex INI Name: LOGGINGFILTERS_INDEX Profile name: Not Profiled
Debug Recording Destination IP	IPAddress	Instant		Defines the destination IP address for Debug Recording default target Mib name: loggerDebugRecordingDestIP INI Name: DEBUGRECORDINGDESTIP Profile name: Not Profiled
Type	Enum: unknownFilter(0), anyFilter(1), trunkIdFilter(2), trunkGroupIdFilter(3), bChannelFilter(4), fxsFxoFilter(5), telToIpFilter(6), ipToTelFilter(7), ipGroupdFilter(8), srdFilter(9), classificationFilter(10), ipToIpRoutingFilter(11), userFilter(12)	Online	0	Type of logging filter Mib name: loggingFiltersType INI Name: LOGGINGFILTERS_FILTERTYPE Profile name: Not Profiled
Debug Recording Destination Port	Integer 1-65535	Instant	925	Defines the destination UDP Port for Debug Recording default target Mib name: loggerDebugRecordingDestPort INI Name: DEBUGRECORDINGDESTPORT Profile name: Not Profiled
Value	String Up to 19 chars.	Online		Value of log filter Mib name: loggingFiltersValue INI Name: LOGGINGFILTERS_VALUE Profile name: Not Profiled
Debug Recording Status	Enum: Stop(0), Start(1)	Instant	0	Determines if Debug Recording should be Stopped (0) or Started (1) Mib name: loggerDebugRecordingStatus INI Name: DEBUGRECORDINGSTATUS Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Syslog	Enum: disable(0), enable(1)	Online	0	Print Syslog false(0) true(1) Mib name: loggingFiltersSyslog INI Name: LOGGINGFILTERS_SYSLOG Profile name: Not Profiled
Capture Type	Enum: captureNone(0), captureSig(1), captureSigMedia(2), captureSigMediaPCM(3), capturePSTN(4)	Online	0	Capture Type Mib name: loggingFiltersCaptureType INI Name: LOGGINGFILTERS_CAPTURETYPE Profile name: Not Profiled
Row Status	Enum: Active(1), NotInService(2), NotReady(3), CreateAndGo(4), CreateAndWait(5), Destroy(6)	NA	3	Row-Status Textual Conventions as defined in RFC 2579: Textual Conventions for SMIv2 Mib name: loggingFiltersRowStatus INI Name: LOGGINGFILTERS_ROWSTATUS Profile name: Not Profiled

2.29 Frame: TDM And Timing Parameters Provisioning

2.29.1 Tab: TDM

Frame: TDM And Timing Parameters Provisioning, Tab: TDM

Parameter Name	Type	Provisioning Type	Default Value	Description
TDM Bus				
TDM Bus Type	Enum: MVIP-BUS(0), SC-BUS(1), USE-FRAMERS(2), QSLAC-BUS(3), USE-H110-BUS(4), USE-EXT-BUS(5), ANALOG-BUS(6), USE-PSTN-SW-ONLY(8)	Offline	0	Selects the TDM bus interface to be used (only one TDM bus interface can be enabled at one time although more than one can physically exist on the board). Range: 0 = acMVIP_BUS 1 = acSC_BUS 2 = acFRAMERS 4 = acH100_BUS 5 = EXT TDM 6 = Analog 8 = SW Pstn Default: TP-1610 and TP-2810 = 2; TPM-1100 = 5; TP-260 = 1 Mib name: acSysTDMBusType INI Name: TDMBUSTYPE Profile name: Not Profiled
TDM Bus Speed	Enum: acTDMBusSpeed-2Mbps(0), acTDMBusSpeed-4Mbps(2), acTDMBusSpeed-8Mbps(3), acTDMBusSpeed-16Mbps(4)	Offline	0	Selects the TDM bus speed according to the Bus Type as follows: SC = 0/2/3 H.110/H.100 = 3 MVIP = 0 Where: 0 = 2048 kbps 2 = 4096 kbps 3 = 8192 kbps 4 = 16384 kbps Default: TP-260 = 2; All other boards = 3 Mib name: acSysTDMBusSpeed INI Name: TDMBUSSPEED Profile name: Not Profiled

2.29.2 Tab: Digital PCM Settings

Frame: TDM And Timing Parameters Provisioning, Tab: Digital PCM Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
PCM Law Select	Enum: MuLaw(3), ALaw(1), Automatic(0)	Offline	0	Selects the type of PCM companding law in input/output TDM bus (TDM bus is defined using the TDMBusType parameter). 1 = A-law 3 = Mu-Law Mib name: acSysPCMLawSelect INI Name: PCMLAWSELECT Profile name: Digital TDM & Timing Profile
Idle PCM Pattern	Integer 0-255	Offline	0	Defines the PCM pattern applied to the E1/T1 timeslot (B-channel) when the channel is idle. Default: 0xFF if PCMLawSelect is Mu-Law 0xD5 if PCMLawSelect is A-Law Range = 0x00 to 0xFF Mib name: acSysPCMIdlePattern INI Name: IDLEPCMPATTERN Profile name: Digital TDM & Timing Profile
Idle ABCD Pattern	Integer 0-255	Offline	0	Defines the ABCD (CAS) pattern to be applied on the signaling bus before it is changed by the user or the PSTN protocol. This is only relevant when using PSTN interface with CAS protocols. Range = 0x0 to 0xF Mib name: acSysPCMIdleABCDPattern INI Name: IDLEABCDPATTERN Profile name: Digital TDM & Timing Profile
Serial Port Audit Interval Min	Integer 0-60	Offline	0	Interval timeout in minutes, of the Serial Port audit. In case of 0 value, the audit isn't running. Mib name: acSysPCMSerialPortAuditIntervalMin INI Name: SERIALPORTAUDITINTERVALMIN Profile name: Digital TDM & Timing Profile

2.29.3 Tab: System Timing

Frame: TDM And Timing Parameters Provisioning, Tab: System Timing

Parameter Name	Type	Provisioning Type	Default Value	Description
Clock Parameters				
TDM Bus Clock Source	Enum: Internal(1), MVIP(3), Network(4), H110-A(8), H110-B(9), netReference1(10), NetReference2(11), SC-2M(12), SC-4M(13), SC-8M(14), BITS(15), Network-b(16), ATM-OC3(17), ATM-OC3-B(18), ATM-OC12(19), Network-DS3-1(20), Network-DS3-2(21), Network-DS3-3(22)	Online	1	Selects the clock source on which the board synchronizes. 1 = Local oscillator 3 = MVIP 4 = PSTN Network 8 = H.110A 9 = H.110B 10 = NetRef1 11 = NetRef2 12 = SC2M 13 = SC4M 14 = SC8M 15 = BITS 16 = Network-B 17 = ATM-OC3 18 = ATM-OC3-B 19 = ATM-OC12 20 = Network-DS3-1 21 = Network-DS3-2 22 = Network-DS3-3 Default = 1 TP-1610 = 3 The Paramater is online for TP6310 and TP8410 . For all other boards, the parameter is offline. Mib name: acSysTDMClockSource INI Name: TDMBUSCLOCKSOURCE Profile name: Digital TDM & Timing Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
TDM Bus Enable Fall Back	Enum: manual(0), autoNon-Revertive(1), auto-Revertive(2)	Online	0	Defines the auto fallback of the clock. Range: 0 = Manual 1 = Auto Non-Revertive 2 = Auto Revertive Mib name: acSysTDMClockEnableFallBack INI Name: TDMBUSENABLEFALLBACK Profile name: Digital TDM & Timing Profile
TDM Bus Fallback Clock	Enum: Network(4), H110-A(8), H110-B(9), NetReference1(10), NetReference2(11)	Online	4	Selects the fallback clock source on which board synchronizes in the event of clock failure. 4 = PSTN Network 8 = H.110A 9 = H.110B 10 = NetRef1 11 = NetRef2 Mib name: acSysTDMClockFallbackClock INI Name: TDMBUSFALLBACKCLOCK Profile name: Digital TDM & Timing Profile
TDM Bus Master/Slave Selection	Enum: acTDMBusSlaveMode(0), acTDMBusMasterMode(1), acH110BusSecondaryMasterMode(2)	Online	0	Sets SC/MVIP/H.100/H.110 to either: 0 = Slave mode (another board in the system must supply the clock to the TDM bus) or Master mode (the board is the clock source for the TDM bus) or Secondary Master mode (for H100/H110 Bus only). 1 = H110A Master in Master mode 2 = H.110B Master Mib name: acSysTDMClockMasterSlaveSelection INI Name: TDMBUSMASTERSLAVESELECTION Profile name: Digital TDM & Timing Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
TDM Bus Net Reference Speed	Enum: acTH110BusNetRefSpeed-8khz(0), acTH110BusNetRefSpeed-1544khz(1), acTH110BusNetRefSpeed-20488khz(2)	Online	0	Determines the NetRef frequency (for both generation and synchronization). 0 = 8 kHz 1 = 1.544 MHz 2 = 2.048 MHz Mib name: acSysTDMClockNetRefSpeed INI Name: TDMBUSNETREFSPEED Profile name: Digital TDM & Timing Profile
TDM Bus Local Reference	Integer 0-256	Online	0	When the clock source is set to Network, this parameter selects the Trunk ID to be used as the clock synchronization source of the board. When using H.110/H.100 bus, this parameter also selects the trunk used as the clock source for the NetRef clock generation (in this case, the clock source must not be set to Network. Range = 0 to (MAX_TRUNK _NUM-1) Mib name: acSysTDMClockLocalReference INI Name: TDMBUSLOCALREFERENCE Profile name: Digital TDM & Timing Profile
TDM Bus Auto Fall Back Enable	Enum: disable(0), enable(1)	Offline	0	Enables or disables the PSTN trunk auto-fallback feature. Mib name: acSysTDMClockAutoFallBackEnable INI Name: TDMBUSPSTNAUTOCLOCKENABLE Profile name: Digital TDM & Timing Profile
TDM Bus Auto Fall Back Reverting Enable	Enum: disable(0), enable(1)	Offline	0	Enables/disables the PSTN trunk auto-fallback reverting feature. Mib name: acSysTDMClockAutoFallBackRevertingEnable INI Name: TDMBUSPSTNAUTOCLOCKREVERTINGENABLE Profile name: Digital TDM & Timing Profile

2.30 Frame: Transmission Settings

2.30.1 Tab: General Info

Frame: Transmission Settings, Tab: General Info

Parameter Name	Type	Provisioning Type	Default Value	Description
Transmission Type	Enum: none(0), opticalSonetSdh(1), copperDs3(2), copperE1Ds1(3)	Offline	0	Sets the PSTN Transmission type for the board: optical SONET / SDH or copper DS3. Mib name: acSysTransmissionType INI Name: PSTNTRANSMISSIONTYPE Profile name: Digital Transmission Settings Profile

2.31 Frame: Trunk Parameters Provisioning

2.31.1 Tab: General Settings

Frame: Trunk Parameters Provisioning, Tab: General Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Protocol Type	Enum: NONE(0), E1EuroISDN(1), T1Cas(2), T1RawCas(3), T1Transparent(4), E1Transparent31(5), E1Transparent30(6), E1Mfcr2(7), E1CasR2(8), E1RawCAS(9), T1-NI2ISDN(10), T1-4EssISDN(11), T1-5Ess-9-ISDN(12), T1-5Ess-10-ISDN(13), T1-Dms100-ISDN(14), J1-TRANSPARENT(15), T1-NTT-ISDN(16), E1-AUSTEL-ISDN(17), E1-HKT-ISDN(18), E1-KOR-ISDN(19), T1-HKT-ISDN(20), E1-QSIG(21), E1-TNZ-22(22), T1-EXTRA-23(23), T1-IUA(28), E1-IUA(29), E1-EXTRA-30(30), E1-FRENCH-VN3-ISDN(31),	Online	0	Used to set the PSTN protocol to be used for this trunk. Relevant only when TDMBusType=acFRAMERS (2). Either: NONE = 0 E1_EURO_ISDN = 1 T1_CAS = 2 T1_RAW_CAS = 3 T1_TRANSPARENT = 4 E1_TRANSPARENT_31 = 5 E1_TRANSPARENT_30 = 6 E1_MFCR2 = 7 E1_CAS = 8 E1_RAW_CAS = 9 T1_NI2_ISDN = 10 T1_4ESS_ISDN = 11 T1_5ESS_9_ISDN = 12 T1_5ESS_10_ISDN = 13 T1_DMS100_ISDN = 14 J1_TRANSPARENT = 15 T1_NTT_ISDN = 16 E1_AUSTEL_ISDN = 17 E1_HKT_ISDN = 18 E1_KOR_ISDN = 19 T1_HKT_ISDN = 20 E1_QSIG = 21 E1_TNZ_ISDN = 22 T1_QSIG = 23 T1_IUA = 28 E1_IUA = 29 E1_FRENCH_VN6_ISDN = 30 E1_FRENCH_VN3_ISDN = 31 T1_EURO_ISDN = 34 T1_DMS100_MERIDIAN_ISDN = 35 T1_NI1_ISDN = 36 E1_DUA = 37 E1_Q931_PACKETS = 38 T1_Q931_PACKETS = 39 E1_NI2_ISDN = 40 E1-CAS-R15 = 41

Parameter Name	Type	Provisioning Type	Default Value	Description
	T1-EXTRA-32(32), EXTRA-33(33), T1-EURO-ISDN(34), T1-DMS100-MERIDIAN-ISDN(35), T1-NI1-ISDN(36), E1-DUA(37), E1-Q931-PACKETS(38), T1-Q931-PACKETS(39), E1-NI2-ISDN(40), E1-CAS-R15(41), V5(43), BRI-EURO-ISDN(50), BRI-NI-2(51), BRI-DMS100(52), BRI-5ESS(53), BRI-QSIG(54), BRI-VNG(55), BRI-NTT(56), BRI-IUA(57)			V5 = 43 BRI-EURO-ISDN = 50 BRI-NI-2 = 51 BRI-DMS100 = 52 BRI-5ESS = 53 BRI-QSIG = 54 BRI-VNG = 55 BRI-NTT = 56 BRI-IUA = 57. Mib name: acTrunkProtocolType INI Name: PROTOCOLTYPE Profile name: Digital SIP Trunk Profile
Clock Master	Enum: acCLOCK-MASTER-OFF(0), acCLOCK-MASTER-ON(1)	Online	0	Used to select the trunk clock source. 0 = acCLOCK_MASTER_OFF (clock recovered from the line) 1 = acCLOCK_MASTER_ON (the trunk clock source is provided by the internal/TDM bus clock source depending on the parameter TDM Bus Clock Source) Mib name: acTrunkClockMaster INI Name: CLOCKMASTER Profile name: Digital SIP Trunk Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Framing Method	Enum: EXTENDED-SUPER-FRAME(0), SUPER-FRAME(1), E1-FRAMING-DDF(2), E1-FRAMING-MFF-CRC4(3), E1-FRAMING-MFF-CRC4-EXT(4), T1-FRAMING-F4(6), T1-FRAMING-F12(7), T1-FRAMING-ESF(8), T1-FRAMING-ESF-CRC6 (9), T1-FRAMING-F72(10), T1-FRAMING-ESF-CRC6-JT(11)	Online	0	Selects the Framing method to be used for this trunk. Mib name: acTrunkFramingMethod Profile name: Digital SIP Trunk Profile
Line Code	Enum: acB8ZS(0), acAMI(1), acHDB3(2)	Online	0	Use to select line code. B8ZS or AMI for T1 spans and HDB3 or AMI for E1 spans. 0 = Use B8ZS line code (for T1 trunks only = default) 1 = Use AMI line code (for T1 or E1 trunks) 2 = Use HDB3 line code (for E1 trunks only) Mib name: acTrunkLineCode INI Name: LINECODE Profile name: Digital SIP Trunk Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Trace Level	Enum: acNO-TRACE(0), acFULL-ISDN-TRACE(1), acLAYER3-ISDN-TRACE(2), acONLY-ISDN-Q931-MSGS-TRACE(3), acLAYER3-ISDN-TRACE-NO-DUPLICATION(4), acFULL-ISDN-TRACE-WITH-DUPLICATION(5), acISDN-Q931-RAW-DATA-TRACE(6), acISDN-Q921-RAW-DATA-TRACE(7), acISDN-Q931-Q921-RAW-DATA-TRACE(8), acSS7-MTP2(10), acSS7-MTP2-AND-APPLI(11), acSS7-MTP2-SL-L3-NO-MSU(12), acSS7-AAL(15)	Online	0	Defines the Trace level: acNO_TRACE = 0 acFULL_ISDN_TRACE = 1 acLAYER3_ISDN_TRACE = 2 acONLY_ISDN_Q931_MSGS_TRACE = 3 acLAYER3_ISDN_TRACE_NO_DUPLICATION = 4 acFULL_ISDN_TRACE_WITH_DUPLICATION = 5 acISDN_Q931_RAW_DATA_TRACE = 6 acISDN_Q921_RAW_DATA_TRACE = 7 acISDN_Q931_Q921_RAW_DATA_TRACE = 8 acSS7_MTP2 = 10 acSS7_MTP2_AND_APPLI = 11 acSS7_MTP2_SL_L3_NO_MSU = 12 acSS7_AAL = 15 Mib name: acTrunkTraceLevel INI Name: TRACELEVEL Profile name: Digital SIP Trunk Profile
Dial Plan Name	String Up to 11 chars.	Instant	0	Sets the Dial Plan name that will be used on the specific trunk. Range = string 11 characters Mib name: acTrunkDialPlanName INI Name: CASTRUNKDIALPLANNAME Profile name: Digital SIP Trunk Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Auto Clock Priority	Integer 0-100	Online	0	Defines the trunk priority for auto-clock fallback (Priority range: 0 - 100 (0 - 99 are priority settings, in which 0 = highest Priority and is the default setting; 100 = Do not choose this trunk) Mib name: acTrunkAutoClockPriority INI Name: AUTOCLOCKTRUNKPRIORITY Profile name: Not Profiled

2.31.2 Tab: ISDN Settings

Frame: Trunk Parameters Provisioning, Tab: ISDN Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Termination Side	Enum: acUSER-TERMINATION-SIDE(0), acNETWORK-TERMINATION-SIDE(1)	Online	0	Used to set the ISDN Termination to either User or Network. Termination = For ISDN only. User side = 0 Network side = 1 Mib name: acTrunkISDNCommonTerminationSide INI Name: TERMINATIONSIDE Profile name: Digital SIP Trunk Profile
Q931 Layer Response Behavior;NO STATUS ON UNKNOWN IE;NO STATUS ON INV OP IE;ACCEPT UNKNOWN FAC IE;SEND USER CONNECT ACK;EXPLICIT INTERFACE ID;ALWAYS EXPLICIT;ACCEPT MU LAW;EXPLICIT PRES SCREENING;STATUS INCOMPATIBLE STATE;STATUS ERROR CAUSE;ACCEPT A LAW;RESTART INDICATION;FORCED RESTART	Integer Bitmask Bitmap-0x06F8A87	Online	0	Bit-field used to determine several behavior options, which influence how the Q.931 protocol behaves. Mib name: acTrunkISDNCommonQ931LayerResponseBehavior INI Name: ISDNIBEHAVIOR Profile name: Digital SIP Trunk Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Incoming Calls Behavior;DATA CONN RS;VOICE CONN RS;CHAN ID IN FIRST RS;USER SETUP ACK;CHAN ID IN CALL PROC;PROGR IND IN SETUP ACK	Integer Bitmask Bitmap-0x013860	Online	0	This is the bit-field used to determine several behavior options that influence how the ISDN Stack INCOMING calls behave. Refer to the Appendix A.8 'ISDN Flexible Behavior' in the VoPLib Reference Library User's Manual Document #: LTRT-00740. Mib name: acTrunkISDNCommonIncomingCallsBehavior INI Name: ISDNINCALLSBEHAVIOR Profile name: Digital SIP Trunk Profile
Outgoing Calls Behavior	Integer 0-65535	Online	0	This is the bit-field used to determine several behavior options that influence how the ISDN Stack OUTGOING calls behave. Refer to Appendix A.8 in the 'VoPLib Reference Library User's Manual. Mib name: acTrunkISDNCommonOutgoingCallsBehavior INI Name: ISDNOUTCALLSBEHAVIOR Profile name: Digital SIP Trunk Profile
General CC Behavior;REVERSE CHAN ALLOC ALGO;CHAN ID 16 ALLOWED;USE T1 PRI;USE E1 PRI;START WITH B CHAN OOS;CHAN ALLOC LOWEST;CHAN ALLOC HIGHEST	Integer Bitmask Bitmap-0x07E8	Online	0	This is the bit-field used to determine several general ISDN behavior options. Refer to the Appendix A.8 'ISDN Flexible Behavior' in the VoPLib Reference Library User's Manual Document #: LTRT-00740. Mib name: acTrunkISDNCommonGeneralCCBehavior INI Name: ISDNGENERALCCBEHAVIOR Profile name: Digital SIP Trunk Profile
IUA Interface ID	Integer -1-2147483647	Read-Only	-1	Defines the IUA trunk interface ID value - unsigned integer - in RFC 3057 - SIGTRAN. Default = 0xFFFFFFFF. Mib name: acTrunkISDNCommonIuaInterfaceId Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
D-channel configuration	Enum: acDCH-CONFIG-PRIMARY(0), acDCH-CONFIG-BACKUP(1), acDCH-CONFIG-NFAS(2)	Online	0	Defines D-channel configuration. This setting is only applicable to ISDN PRI protocols that support NFAS and/or D-channel backup procedures. 0 = D-channel is Primary 1 = Backup 2 = NFAS Mib name: acTrunkISDNNfasDchConfig INI Name: DCHCONFIG Profile name: Digital SIP Trunk Profile
ISDN NFAS Interface ID	Integer 0-255	Online	0	Defines the Interface ID. Works with NS_EXPLICIT_INTERFACE_ID. Refer to the VoPLib documentation(ISDN Flexible Behavior). Default = (unsigned char)-1. Range = 0 to 255 Mib name: acTrunkISDNNfasInterfaceId INI Name: ISDNNFASINTERFACEID Profile name: Not Profiled
Group Number	Integer 0-12	Online	0	Relevant only for T1 ISDN NFAS trunks indicates the group number of the NFAS group. ;Valid NFAS group numbers are only 1 to 9, 0 indicating that this trunk is not NFAS (in this case the ISDNNFASInterfaceID and DchConfig parameters are ignored). Mib name: acTrunkISDNNfasGroupNumber INI Name: NFASGROUPNUMBER Profile name: Digital SIP Trunk Profile
Duplicate Q931 Buff Mode	Integer 0-255	Online	0	Activates / de-activates delivery of raw Q.931 messages. Refer to the VoPLib documentation ('ISDN Flexible Behavior'). Mib name: acTrunkISDNCommonDuplicateQ931BuffMode INI Name: ISDNDUPLICATEQ931BUFFMODE Profile name: Digital SIP Trunk Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
NS Extension Behavior Bits;ANY UUI;DISPLAY;FACILITY REJECT	Integer Bitmask Bitmap-0x058	Online	0	Bit-field used to determine several behavior options, which influence how the Q.931 protocol behaves. Refer to the VoPLib documentation (ISDN Flexible Behavior). Mib name: acTrunkISDNCommonNSBehaviour2 INI Name: ISDNNSBEHAVIOUR2 Profile name: Digital SIP Trunk Profile

2.31.3 Tab: Line Settings

Frame: Trunk Parameters Provisioning, Tab: Line Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Line Build Out Loss	Enum: ac0DB(0), ac7-5DB(1), ac15DB(2), ac22-5DB(3)	Online	0	Used to select the line build out loss to be used for this trunk. 0 = 0 dB 1 = 7.5 dB 2 = 15 dB 3 = 22.5 dB Mib name: acTrunkLineBuildOutLoss INI Name: LINEBUILDOUT.LOSS Profile name: Digital SIP Trunk Profile
Line Build Out Overwrite	Enum: acNO-OVER-WRITE(0), acOVER-WRITE(1)	Online	0	Used to overwrite the Framer's XPM registers values (these registers control the line pulse shape). 0 = No overwrite 1 = Overwrite Mib name: acTrunkLineBuildOutOverwrite INI Name: LINEBUILDOUT.OVERWRITE Profile name: Digital SIP Trunk Profile
Line Build Out XPM0	Integer 0-255	Online	0	Used to control the Framer's XPM0 register value (line pulse shape control). Applicable only when TrunkConfig.LineBuildOut.Overwrite=1. Should be used only by expert users. Range = 0 to 255 Mib name: acTrunkLineBuildOutXPM0 INI Name: LINEBUILDOUT.XPM0 Profile name: Digital SIP Trunk Profile
Line Build Out XPM1	Integer 0-255	Online	0	Used to control the Framer's XPM1 register value (line pulse shape control). Applicable only when TrunkConfig.LineBuildOut.Overwrite=1. Should be used only by expert users. Range = 0 to 255 Mib name: acTrunkLineBuildOutXPM1 INI Name: LINEBUILDOUT.XPM1 Profile name: Digital SIP Trunk Profile

Parameter Name	Type	Provisioning Type	Default Value	Description
Line Build Out XPM2	Integer 0-255	Online	0	Used to control the Framer's XPM2 register value (line pulse shape control). Applicable only when TrunkConfig.LineBuildOut.Overwrite=1. Should be used only by expert users. Range = 0 to 255 Mib name: acTrunkLineBuildOutXPM2 INI Name: LINEBUILDOUT.XPM2 Profile name: Digital SIP Trunk Profile

2.31.4 Tab: CAS Settings

Frame: Trunk Parameters Provisioning, Tab: CAS Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Trunk Cas Table Index	Integer 0-7	Online	0	This parameter determines which CAS protocol file to use on a specific trunk. The index value corresponds to the number configured for the parameter CASFileName_X. Range = not greater than the parameter defining the PSTN CAS Table Num. Mib name: acTrunkCASTablesIndex INI Name: CASTABLEINDEX Profile name: Digital SIP Trunk Profile
CAS Table per Channel	String Up to 63 chars.	Instant		Sets the Cas protocol table index per channel. User need to set each channel the table number 0-7, with comma saperator between channels: "1,3,1,3,1,3.." Mib name: acTrunkCASTablePerChannel INI Name: CASCHANNELINDEX Profile name: Digital SIP Trunk Profile

2.32 Frame: UAL Group

SS7 is not supported in this release.

2.32.1 Tab: General Info

SS7 is not supported in this release.

Frame: UAL Group , Tab: General Info

Parameter Name	Type	Provisioning Type	Default Value	Description
ID	Integer 0-65534	Online	0	SS7 (Signaling System 7) SIGTRAN (Signaling Transport) Interface Group Id. Mib name: acSS7SigTranIFGroupId INI Name: SS7_IF_GR_ID Profile name: Not Profiled
Sg Mgc	Enum: nat(1), mgc(77), sg(83)	Online	0	Interface Group function - Signaling Gateway (SG) or Media Gateway Controller (MGC). Mib name: acSS7SigTranIFGroupSgMgc INI Name: SS7_SIG_SG_MGC Profile name: Not Profiled
Signaling Layer	Enum: noLayer(0), iua(1), m2ua(2), m3ua(3), m2tunnel(4), dua(6)	Online	0	UAL type of interface group: 0 = none 1 = iua 2 = m2ua 3 = m3ua 4 = m2tunnel 6 = dua. Mib name: acSS7SigTranIFGroupSignalingLayer INI Name: SS7_SIG_LAYER Profile name: Not Profiled
Traf Mode	Enum: override(1), loadShare(2), broadcast(3)	Online	1	Traffic mode of interface group. Mib name: acSS7SigTranIFGroupTrafMode INI Name: SS7_SIG_TRAF_MODE Profile name: Not Profiled
Recov Timer	Integer 0-10000000	Online	0	T(r) - recovery timer (in msecs) of interface group. Mib name: acSS7SigTranIFGroupRecovTimer INI Name: SS7_SIG_T_REC Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Ack Timer	Integer 0-10000000	Online	0	T(ack) - wait timer for ASP_UP_ACK (in msecs) of interface group. Mib name: acSS7SigTranIFGroupAckTimer INI Name: SS7_SIG_T_ACK Profile name: Not Profiled
HB Timer	Integer 0-10000000	Online	0	T(beat) - Heartbeat Timer (in msecs) of interface group. Mib name: acSS7SigTranIFGroupHBTimer INI Name: SS7_SIG_T_HB Profile name: Not Profiled
Min Asp	Integer 1-10	Online	1	Minimal ASP (Application Server Process) number in interface group(minimum = 1). Mib name: acSS7SigTranIFGroupMinAsp INI Name: SS7_SIG_MIN_ASP Profile name: Not Profiled
Behavior	Integer 0-2147483647	Online	0	Behavior bit of interface group. Mib name: acSS7SigTranIFGroupBehavior INI Name: SS7_SIG_BEHAVIOUR Profile name: Not Profiled
SCTP Inst	Integer 0-65534	Read-Only	0	SCTP (Stream Control Transmission Protocol) instance of interface group. Mib name: acSS7SigTranIFGroupSCTPInst INI Name: SS7_SCTP_INSTANCE Profile name: Not Profiled
SCTP Local Port	Integer 0-2147483647	Online	0	Local SCTP (Stream Control Transmission Protocol) port of interface group. Mib name: acSS7SigTranIFGroupSCTPLocalPort INI Name: SS7_LOCAL_SCTP_PORT Profile name: Not Profiled
Network	Enum: itu(1), ansi(2), china(3)	Online	0	Network variant of interface group. Mib name: acSS7SigTranIFGroupNetwork INI Name: SS7_SIG_NETWORK Profile name: Not Profiled
SCTP Dest Port	Integer 0-65534	Online	0	Destination SCTP (Stream Control Transmission Protocol) port. Mib name: acSS7SigTranIFGroupSCTPDestPort INI Name: SS7_DEST_SCTP_PORT Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Dest Ip	IPAddress	Online		Destination SCTP (Stream Control Transmission Protocol) IP address. Mib name: acSS7SigTranIFGroupDestIp INI Name: SS7_DEST_IP Profile name: Not Profiled
SCTP Max Inband Streams	Integer 2-65534	Online	2	Maximum inbound streams in interface group. Mib name: acSS7SigTranIFGroupSCTPMaxInbStreams INI Name: SS7_MGC_MX_IN_STREAM Profile name: Not Profiled
SCTP Max Outband Streams	Integer 2-65534	Online	2	Number of output streams required in interface group. Mib name: acSS7SigTranIFGroupSCTPMaxOutbStreams INI Name: SS7_MGC_NUM_OUT_STREAM Profile name: Not Profiled
Rdcy Board Num	Integer 0-255	Online	0	This parameter is used to specify the SIGTRAN (Signaling Transport) group redundancy board number. Mib name: acSS7SigTranIFGroupRdcyBoardNum INI Name: RDCYBOARDNUM Profile name: Not Profiled
Routing Context Index	Integer -1-15	Online	-1	Entry in Routing Context table, that contains the routing context rules for this interface group. Mib name: acSS7SigTranIFGroupRoutingContextIndex INI Name: SS7_SIG_RC_INDEX Profile name: Not Profiled
Routing Context Value	Integer -1-2147483647	Online	-1	Routing context value for this interface group (AS). Mib name: acSS7SigTranIFGroupRoutingContextValue INI Name: SS7_SIG_RC_VALUE Profile name: Not Profiled
Network Appearance	Integer -1-2147483647	Online	-1	Network Appearance value for this interface group (AS). Mib name: acSS7SigTranIFGroupNetworkAppearance INI Name: SS7_SIG_NETWORK_APPEARANCE Profile name: Not Profiled

2.33 Frame: UAL Interface

SS7 is not supported in this release.

2.33.1 Tab: UAL Interface

SS7 is not supported in this release.

Frame: UAL Interface, Tab: UAL Interface

Parameter Name	Type	Provisioning Type	Default Value	Description
Value	Integer 0-2147483647	Online	0	SS7 (Signaling System 7) SIGTRAN (Signaling Transport) interface ID value. Mib name: acSS7SigTranIFIDValue INI Name: SS7_SIG_IF_ID_VALUE Profile name: Not Profiled
Name	String Up to 15 chars.	Online		SS7 (Signaling System 7) SIGTRAN (Signaling Transport) interface ID name (text string). Mib name: acSS7SigTranIFIDName INI Name: SS7_SIG_IF_ID_NAME Profile name: Not Profiled
Owner Group	Integer -1-65534	Online	-1	Owner group of interface id. Mib name: acSS7SigTranIFIDOwnerGroup INI Name: SS7_SIG_IF_ID_OWNER_GROUP Profile name: Not Profiled
Signaling Layer	Enum: noLayer(0), iua(1), m2ua(2), m2tunnel(4), dua(6)	Online	-1	UAL Type of interface id: 0 = none 1 = iua 2 = m2ua 4 = m2tunnel 6 = dua Mib name: acSS7SigTranIFIDSignalingLayer INI Name: SS7_SIG_IF_ID_LAYER Profile name: Not Profiled
Nai	Integer -2-124	Online	-2	NAI of interface id. Mib name: acSS7SigTranIFIDNai INI Name: SS7_SIG_IF_ID_NAI Profile name: Not Profiled

2.34 Frame: Voice Quality Rules

2.34.1 Tab: Voice Quality Rules

Frame: Voice Quality Rules, Tab: Voice Quality Rules

Parameter Name	Type	Provisioning Type	Default Value	Description
Monitored Param	Enum: Mos(0), Delay(1), PacketLoss(2), Jitter(3), Rerl(4)	Online	0	MonitoredParam Mib name: acCPQOERulesMonitoredParam INI Name: QOERULES_MONITOREDPARAM Profile name: Not Profiled
Direction	Enum: DeviceSide(0), RemoteSide(1)	Online	0	Whether the paramter is monitored on the remote or local side. Mib name: acCPQOERulesDirection INI Name: QOERULES_DIRECTION Profile name: Not Profiled
Profile	Enum: noProfile(0), lowSensitivity(1), defaultSensitivity(2), highSensitivity(3)	Online	2	Profile Mib name: acCPQOERulesProfile INI Name: QOERULES_PROFILE Profile name: Not Profiled
Green Yellow Threshold	Integer 0-4294967295	Online	0	GreenYellowThreshold Mib name: acCPQOERulesGreenYellowThreshold INI Name: QOERULES_GREENYELLOWTHRESHOLD Profile name: Not Profiled
Green Yellow Hystersis	Integer 0-4294967295	Online	0	GreenYellowHystersis Mib name: acCPQOERulesGreenYellowHystersis INI Name: QOERULES_GREENYELLOWHYSTERESIS Profile name: Not Profiled
Yellow Red Threshold	Integer 0-4294967295	Online	0	YellowRedThreshold Mib name: acCPQOERulesYellowRedThreshold INI Name: QOERULES_YELLOWREDTHRESHOLD Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
Yellow Red Hystersis	Integer 0-4294967295	Online	0	YellowRedHystersis Mib name: acCPQOERulesYellowRedHystersis INI Name: QOERULES_YELLOWREDHYSTERESIS Profile name: Not Profiled
MEGACO				
Green Yellow Operation	Enum: Notify(1), Activate2198(2)	Online	1	The operation upon crossing green to yellow threshold. Mib name: acCPQOERulesGreenYellowOperation INI Name: QOERULES_GREENYELLOWOPERATION Profile name: Not Profiled
Green Yellow Operation Details	Integer 0-255	Online	1	The specific details for the operation (relevant to Activate2198 only). Mib name: acCPQOERulesGreenYellowOperationDetails INI Name: QOERULES_GREENYELLOWOPERATIONDETAILS Profile name: Not Profiled
Yellow Red Operation	Enum: Notify(1), Activate2198(2)	Online	1	The operation upon crossing yellow to red threshold. Mib name: acCPQOERulesYellowRedOperation INI Name: QOERULES_YELLOWREDOPERATION Profile name: Not Profiled
Yellow Red Operation Details	Integer 0-255	Online	1	The specific details for the operation (relevant to Activate2198 only). Mib name: acCPQOERulesYellowRedOperationDetails INI Name: QOERULES_YELLOWREDOPERATIONDETAILS Profile name: Not Profiled

2.35 Frame: Web Provisioning

2.35.1 Tab: Access Settings

Frame: Web Provisioning, Tab: Access Settings

Parameter Name	Type	Provisioning Type	Default Value	Description
Index	Enum: administrator(0), monitoringLevel(1)	Read-Only	1	WEB Access index Mib name: acSysWEBAccessIndex Profile name: Not Profiled
Disable WEB Config	Enum: Enable(0), Disable(1)	Offline	0	Enables or disables Web Configuration. 0 = Read And Write mode (default) 1 = Read Only mode Mib name: acSysWEBConfigDisable INI Name: DISABLEWEBCONFIG Profile name: Not Profiled
User Name	String	Instant	60	WEB Basic user name. Range = String[26] Mib name: acSysWEBAccessUserName INI Name: WEBACCESSUSERNAME Profile name: Not Profiled
HTTPS Only	Enum: disable(0), enable(1)	Offline	0	Use this parameter to allow only HTTPS connections (force security). When set to 1, unencrypted HTTP (normally, port 80) is blocked. Mib name: acSysWEBHTTPSOnly INI Name: HTTPSONLY Profile name: Not Profiled
User Code	String	Instant	60	WEB Basic userAccess Mib name: acSysWEBAccessUserCode INI Name: WEBACCESSUSERCODE Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
HTTPS Port	Integer 0-65535	Offline	443	Determine the local Secure HTTPS port of the device. The default port is 443. Range = 1-65535 (other restrictions may apply in this range) Mib name: acSysWEBHTTPSPort INI Name: HTTPSPORT Profile name: Not Profiled
Web Authentication Mode	Enum: BasicMode(0), DigestModeWhenPossible (1), DigestModeHTTPOnly(2)	Instant	1	Selects HTTP basic (clear text) or digest (MD5) authentication for the web interface. When set to 0, basic authentication (clear text) will be used. When set to 1, digest authentication (MD5) will be used. When set to 2, digest authentication (MD5) will be used for HTTP, while basic authentication will be used for HTTPS. Note that turning on RADIUS login forces basic authentication. Mib name: acSysWEBAccessWebAuthMode INI Name: WEBAUTHMODE Profile name: Not Profiled
Web Use Radius Login	Enum: disable(0), enable(1)	Instant	0	Uses the RADIUS (Remote Authentication Dial-In User Server/Service) for Web interface authentication. Make sure that ENABLERADIUS is on. Use of this parameter without HTTPSONLY = 1 is not recommended. Mib name: acSysWEBWebUseRadiusLogin INI Name: WEBRADIUSLOGIN Profile name: Not Profiled

Parameter Name	Type	Provisioning Type	Default Value	Description
WEB Deny Authentication Timer	Integer 0-86400	Online	0	Defines the time the next authentication attempt from the last authentication faild IP should be denied. The range can be any value from 0 - 86400 in seconds Mib name: acSysWEBDenyAuthenticationTimer INI Name: DENYAUTHENTICATIONTIMER Profile name: Not Profiled

2.35.2 Tab: Access Addresses

Frame: Web Provisioning, Tab: Access Addresses

Parameter Name	Type	Provisioning Type	Default Value	Description
Index	Integer 0-9	Read-Only	1	WEB ACL (Access Control List) index. Mib name: acSysWEBACLIndex Profile name: Not Profiled
IP Address	IP Address	Instant	0	Allows IP addresses to connect to the Web interface. Set to zeroes to allow all IP addresses. Range: Valid IP address Mib name: acSysWEBACLIP INI Name: WEBACCESSLIST Profile name: Not Profiled

3 Performance Monitoring Parameters

Customers are often faced with a complex VoIP network with little or no information on the status and capacities of each component in it. PM helps the system architect design a better network. PM helps operators discover malfunctioning devices before they start causing a problem on the production network.

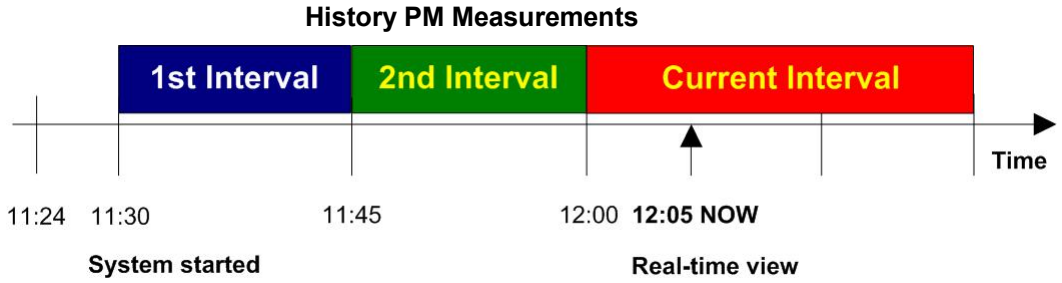
The system provides two types of performance measurements:

- Gauges: Gauges represent the current state of a PM parameter in the system. Gauges, unlike counters, can decrease in value, and like counters, can increase.
- Counters: Counters always increase in value and are cumulative. Counters, unlike gauges, never decrease in value unless the system is reset. The counters are then zeroed.

Performance measurements are available for the EMS or for a 3rd party performance monitoring system through an SNMP interface. These measurements can be polled at scheduled intervals by an external poller or utility in a media server or another off-device system.

PM measurements can be divided into two main groups:

- Real-Time PM Measurements - supply the current value of the PM entity. When requested, the entity is sampled and the current value is received.
- History PM Measurements - supply statistical data of the PM entity during the last interval period. These measurements include the Average, Minimum and Maximum values of the entity during the last interval. The default interval length is 15 minutes.



History Performance is measured in a constant time interval of 15 minutes to which all elements in the network are synchronized. Intervals commence precisely every 15 minutes, for example, 12:00:00, 12:15:00, 12:30:00, 12:45:00, etc. This allows synchronization of several management systems to the same interval time frame. Note that the first interval after start-up is always shorter (in the example above, the first interval only lasts 6 minutes - so that a new interval can start exactly on the 15 minute interval, in this case 11:30:00). During the initial start-up interval i.e. 6 minutes in the example above, polling is not performed.

3.1 Frame: DS3 Monitoring (History)

3.1.1 Tab: DS3 Statistics

Frame: DS3 Monitoring (History), Tab: DS3 Statistics

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
DS3 PESs	HIST	Gauge	The counter associated with the number of P-bit Errored Seconds. Mib name: dsx3IntervalPESs
DS3 PSESs	HIST	Gauge	The counter associated with the number of P-bit Severely Errored Seconds. Mib name: dsx3IntervalPSESs
DS3 UASs	HIST	Gauge	The counter associated with the number of Unavailable Seconds. This object may decrease if the occurrence of unavailable seconds occurs across an interval boundary. Mib name: dsx3IntervalUASs
DS3 LCVs	HIST	Gauge	The counter associated with the number of Line Coding Violations. Mib name: dsx3IntervalLCVs
DS3 PCVs	HIST	Gauge	The counter associated with the number of P-bit Coding Violations. Mib name: dsx3IntervalPCVs
DS3 LESs	HIST	Gauge	The number of Line Errored Seconds (BPVs or illegal zero sequences). Mib name: dsx3IntervalLESs
DS3 CCVs	HIST	Gauge	The number of C-bit Coding Violations. Mib name: dsx3IntervalCCVs
DS3 CESs	HIST	Gauge	The number of C-bit Errored Seconds. Mib name: dsx3IntervalCESs
DS3 CSESs	HIST	Gauge	The number of C-bit Severely Errored Seconds. Mib name: dsx3IntervalCSESs

3.2 Frame: DS3 Monitoring (Real-Time)

3.2.1 Tab: DS3 Statistics

Frame: DS3 Monitoring (Real-Time), Tab: DS3 Statistics

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
DS3 PESs	RT	Gauge	The counter associated with the number of P-bit Errored Seconds. Mib name: dsx3CurrentPESs
DS3 PSESs	RT	Gauge	The counter associated with the number of P-bit Severely Errored Seconds. Mib name: dsx3CurrentPSESs
DS3 UASs	RT	Gauge	The counter associated with the number of Unavailable Seconds. Mib name: dsx3CurrentUASs
DS3 LCVs	RT	Gauge	The counter associated with the number of Line Coding Violations. Mib name: dsx3CurrentLCVs
DS3 PCVs	RT	Gauge	The counter associated with the number of P-bit Coding Violations. Mib name: dsx3CurrentPCVs
DS3 LESs	RT	Gauge	The number of Line Errored Seconds. Mib name: dsx3CurrentLESs
DS3 CCVs	RT	Gauge	The number of C-bit Coding Violations. Mib name: dsx3CurrentCCVs
DS3 CESs	RT	Gauge	The number of C-bit Errored Seconds. Mib name: dsx3CurrentCESs
DS3 CSESs	RT	Gauge	The number of C-bit Severely Errored Seconds. Mib name: dsx3CurrentCSESs

3.3 Frame: Fiber Group Monitoring (Real-Time)

3.3.1 Tab: Fiber Group Statistics

Frame: Fiber Group Monitoring (Real-Time), Tab: Fiber Group Statistics

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Section ESs	RT	Gauge	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval. Mib name: sonetSectionCurrentESs
Section SESs	RT	Gauge	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Section in the current 15 minute interval. Mib name: sonetSectionCurrentSESs
Section CVs	RT	Gauge	The counter associated with the number of Coding Violations encountered by a SONET/SDH Section in the current 15 minute interval. Mib name: sonetSectionCurrentCVs
Line ESs	RT	Gauge	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval. Mib name: sonetLineCurrentESs
Line SESs	RT	Gauge	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Line in the current 15 minute interval. Mib name: sonetLineCurrentSESs
Line CVs	RT	Gauge	The counter associated with the number of Coding Violations encountered by a SONET/SDH Line in the current 15 minute interval. Mib name: sonetLineCurrentCVs
Line UASs	RT	Gauge	The counter associated with the number of Unavailable Seconds encountered by a SONET/SDH Line in the current 15 minute interval. Mib name: sonetLineCurrentUASs
Path ESs	RT	Gauge	The counter associated with the number of Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval. Mib name: sonetPathCurrentESs
Path SESs	RT	Gauge	The counter associated with the number of Severely Errored Seconds encountered by a SONET/SDH Path in the current 15 minute interval. Mib name: sonetPathCurrentSESs

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Path CVs	RT	Gauge	The counter associated with the number of Coding Violations encountered by a SONET/SDH Path in the current 15 minute interval. Mib name: sonetPathCurrentCVs
Path UASs	RT	Gauge	The counter associated with the number of Unavailable Seconds encountered by a Path in the current 15 minute interval. Mib name: sonetPathCurrentUASs

3.4 Frame: Gateway System Monitoring (Configuration)

3.4.1 Tab: System IP

Frame: Gateway System Monitoring (Configuration), Tab: System IP

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Number of Outgoing KBytes	HIST	Counter	Counts the total number of outgoing Kbytes (1000 bytes) from the interface during the last interval. Mib name: acPMNetUtilKBytesVolumeTx
Number of Incoming KBytes	HIST	Counter	Counts the total number of Kbytes (1000 bytes) received on the interface, including those received in error, during the last interval. Mib name: acPMNetUtilKBytesVolumeRx
Number of Outgoing Pkts	HIST	Counter	Counts the total number of outgoing Packets from the interface during the last interval. Mib name: acPMNetUtilPacketsVolumeTx
Number of Incoming Pkts	HIST	Counter	Counts the total number of Packets received on the interface, including those received in error, during the last interval. Mib name: acPMNetUtilPacketsVolumeRx
Number of Incoming Discarded Pkts	HIST	Counter	Counts the total number of malformed IP Packets received on the interface during the last interval. These are packets which are corrupted or discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc. Mib name: acPMNetUtilDiscardedPacketsVal

3.4.2 Tab: VoP Call Statistics

Frame: Gateway System Monitoring (Configuration), Tab: VoP Call Statistics

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Num of Active Contexts Avg	HIST	Gauge	Indicates the average number of voice calls connected on the gateway since the last clear. Mib name: acPMActiveContextCountAverage
Num of Active Contexts Min	HIST	Gauge	Indicates the minimum number of voice calls connected on the gateway since the last clear. Mib name: acPMActiveContextCountMin
Num of Active Contexts Max	HIST	Gauge	Indicates the maximum number of voice calls connected on the gateway since the last clear. Mib name: acPMActiveContextCountMax
G711 Active Calls Avg	HIST	Gauge	Indicates the average number of G.711 calls present on the TPM. Mib name: acPMChannelsPerCoderAverageG711
G723 Active Calls Avg	HIST	Gauge	Indicates the average number of G.723 calls present on the TPM. This attribute is only displayed if the G.723 Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderAverageG723
G728 Active Calls Avg	HIST	Gauge	Indicates the average number of G.728 calls present on the TPM. This attribute is only displayed if the G.728 Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderAverageG728
G729a Active Calls Avg	HIST	Gauge	Indicates the average number of G.729a calls present on the TPM. This attribute is only displayed if the G.729a Codec is provisioned on the DSP. Mib name: acPMChannelsPerCoderAverageG729a
G729e Active Calls Avg	HIST	Gauge	Indicates the average number of G.729e calls present on the TPM. This attribute is only displayed if the G.729e Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderAverageG729e
AMR Active Calls Avg	HIST	Gauge	Indicates the average number of AMR calls present on the TPM. This attribute is only displayed if the AMR Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderAverageAMR
EVRC Active Calls Avg	HIST	Gauge	Indicates the average number of EVRC calls present on the TPM. This attribute is only displayed if the EVRC Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderAverageEVRC

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Rx RTP Packet Loss Max	HIST	Gauge	Indicates the Max Rx RTP Packet loss (reported by RTCP) per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModuleRTPPacketLossRxMax
Tx RTP Packet Loss Max	HIST	Gauge	Indicates the Max Tx RTP Packet loss (reported by RTCP) per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModuleRTPPacketLossTxMax
RTP delay Average	HIST	Gauge	Indicates the average RTP packets delay per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModulePacketDelayAverage
RTP delay Max	HIST	Gauge	Indicates the maximum RTP packets delay per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModulePacketDelayMax
RTP delay Min	HIST	Gauge	Indicates the minimum RTP packets delay per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModulePacketDelayMin
RTP jitter Average	HIST	Gauge	Indicates the average RTP packets jitter per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModulePacketJitterAverage
RTP jitter Min	HIST	Gauge	Indicates the minimum RTP packets jitter per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModulePacketJitterMin
RTP jitter Max	HIST	Gauge	Indicates the maximum RTP packets jitter per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModulePacketJitterMax
Rx RTP Bytes Max	HIST	Gauge	Indicates the Max Tx RTP Bytes per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModuleRTPBytesRxMax
Tx RTP Bytes Max	HIST	Gauge	Indicates the Max Rx RTP Bytes per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModuleRTPBytesTxMax

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Rx RTP Packets Max	HIST	Gauge	Indicates the Max Rx RTP Packets per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModuleRTPPacketsRxMax
Tx RTP Packets Max	HIST	Gauge	Indicates the Max Tx RTP Packets per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModuleRTPPacketsTxMax
RTCP XR Average Conversational R Factor	HIST	Gauge	Average conversational R factor. Mib name: rtcpXrHistoryAvgRCQ
RTCP XR Maximum Conversational R Factor	HIST	Gauge	Maximum conversational R factor. Mib name: rtcpXrHistoryMaxRCQ
RTCP XR Minimum Conversational R Factor	HIST	Gauge	Minimum conversational R factor. Mib name: rtcpXrHistoryMinRCQ

3.4.3 Tab: Common Control

Frame: Gateway System Monitoring (Configuration), Tab: Common Control

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Lifetime in seconds Avg	HIST	Counter	Indicates the Connection lifetime, in seconds. Mib name: acPMCPConnectionLifetimeAverage
Lifetime in seconds Min	HIST	Counter	Indicates the Connection lifetime, in seconds. Mib name: acPMCPConnectionLifetimeMin
Lifetime in seconds Max	HIST	Counter	Indicates the Connection lifetime, in seconds. Mib name: acPMCPConnectionLifetimeMax
MGC response counters	HIST	Counter	Indicates the MGC response counters. Mib name: acPMCPCommandCounterValRx
MGC command counters	HIST	Counter	Indicates the MGC command counters. Mib name: acPMCPCommandCounterValTx
MGC Rx retransmissions	HIST	Counter	Counts the number of incoming retransmissions. Mib name: acPMCPRetransmissionCountValRx
MGC Tx retransmissions	HIST	Counter	Counts the number of transactions retransmissions sent from the board. Mib name: acPMCPRetransmissionCountValTx
Call Attempts Per Sec Average	HIST	Counter	Average of call attempts (successful and unsuccessful) per second, during last interval. Mib name: acPMCPCallAttemptsPerSecAverage

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Call Attempts Per Sec Max	HIST	Counter	Maximum of call attempts (successful and unsuccessful) per second, during last interval. Mib name: acPMCPCallAttemptsPerSecMax
Call Attempts Per Sec Min	HIST	Counter	Minimum of call attempts (successful and unsuccessful) per second, during last interval. Mib name: acPMCPCallAttemptsPerSecMin

3.4.4 Tab: MEGACO Control

Frame: Gateway System Monitoring (Configuration), Tab: MEGACO Control

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
[H.248] Num of Active Contexts Avg	HIST	Gauge	Indicates the Average number of H.248 active contexts incorporating at least 1 Termination, per TPM, during the last interval. Mib name: acPMActiveContextCountAverageMegaco
[H.248] Num of Active Contexts Min	HIST	Gauge	Indicates the Minimum number of H.248 active contexts incorporating at least 1 Termination, per TPM, during the last interval. Mib name: acPMActiveContextCountMinMegaco
[H.248] Num of Active Contexts Max	HIST	Gauge	Indicates the Maximum number of H.248 active contexts incorporating at least 1 Termination, per TPM, during the last interval. Mib name: acPMActiveContextCountMaxMegaco
[H.248] Service Change Command - Disconnected	HIST	Counter	Counts the Disconnected service change commands sent (excluding retransmission) to the current MGC, during last interval. Mib name: acPMMegacoServiceChangeCountValdisconnected
[H.248] Service Change Command - Restart	HIST	Counter	Counts the Restart service change commands (excluding retransmission) sent to the current MGC, during the last interval. Mib name: acPMMegacoServiceChangeCountValrestart
[H.248] Service Change Command - Forced	HIST	Counter	Counts the Forced service change commands sent (excluding retransmission) to the current MGC, during the last interval. Mib name: acPMMegacoServiceChangeCountValforced

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
[H.248] Service Change Command - Graceful	HIST	Counter	Counts the Graceful service change commands sent (excluding retransmission) to the current MGC, during the last interval. Mib name: acPMMegacoServiceChangeCountValgraceful
[H.248] Service Change Command - FailOver	HIST	Counter	Counts the number of times the TPM performed failover procedures and attempted contact with another controller, during the last interval. Mib name: acPMMegacoServiceChangeCountValfailOver
[H.248] Service Change Command - Handoff	HIST	Counter	Counts the number of times the TPM performed Handoff procedures and attempted contact with another controller during the last interval. Mib name: acPMMegacoServiceChangeCountValhandoff
Success [H.248] Add	HIST	Counter	Counts the number of successful Add commands, during the last interval. Mib name: acPMCPCmdSuccessCountValAdd
Success [H.248] Move	HIST	Counter	Counts the number of successful Move commands, during the last interval. Mib name: acPMCPCmdSuccessCountValMove
Success [H.248] Modify	HIST	Counter	Counts the number of successful Modify commands, during the last interval. Mib name: acPMCPCmdSuccessCountValModify
Success [H.248] Subtract	HIST	Counter	Counts the number of successful Subtract commands, during the last interval. Mib name: acPMCPCmdSuccessCountValSubtract
Success [H.248] Service Change	HIST	Counter	Counts the number of successful Service Change commands, during the last interval. Mib name: acPMCPCmdSuccessCountValSc
Success [H.248] Audit-Value	HIST	Counter	Counts the number of successful Audit Value commands, during the last interval. Mib name: acPMCPCmdSuccessCountValAuditValue
Success [H.248] Audit-Capabilities	HIST	Counter	Counts the number of successful Audit Capabilities commands, during the last interval. Mib name: acPMCPCmdSuccessCountValAuditCap
Success [H.248] Notify	HIST	Counter	Counts the number of successful Notify commands, during the last interval. Mib name: acPMCPCmdSuccessCountValNotify
Failed [H.248] Add	HIST	Counter	Counts the number of Add commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValAdd

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Failed [H.248] Move	HIST	Counter	Counts the number of Move commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValMove
Failed [H.248] Modify	HIST	Counter	Counts the number of Modify commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValModify
Failed [H.248] Subtract	HIST	Counter	Counts the number of Subtract commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValSubtract
Failed [H.248] Service Change	HIST	Counter	Counts the number of Service Change commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValSc
Failed [H.248] Audit-Value	HIST	Counter	Counts the number of Audit Value commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValAuditValue
Failed [H.248] Audit-Capabilities	HIST	Counter	Counts the number of Audit Capabilities commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValAuditCap
Failed [H.248] Notify	HIST	Counter	Counts the number of Notify commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValNotify

3.4.5 Tab: Trunk Statistics

Frame: Gateway System Monitoring (Configuration), Tab: Trunk Statistics

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Trunk utilization Avg	HIST	Gauge	Indicates the Average of simultaneously busy DS0 channels on this Trunk up to this point in time during the collection interval, as indicated by the Time Interval. A busy channel is when the Physical DS0 Termination isn't in Null context or OOS. A Trunk is either E1 or T1. Mib name: acPMTrunkUtilizationAverage
Trunk utilization Min	HIST	Gauge	Indicates the Minimum of simultaneously busy DS0 channels on this Trunk up to this point in time during the collection interval, as indicated by the Time Interval. A busy channel is when the Physical DS0 Termination isn't in Null context or OOS. A Trunk is either E1 or T1. Mib name: acPMTrunkUtilizationMin

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Trunk utilization Max	HIST	Gauge	Indicates the Maximum of simultaneously busy DS0 channels on this Trunk up to this point in time during the collection interval, as indicated by the Time Interval. A busy channel is when the Physical DS0 Termination isn't in Null context or OOS. A Trunk is either E1 or T1. Mib name: acPMTrunkUtilizationMax
Trunk Errored Seconds	HIST	Gauge	Indicates the number of Errored Seconds. Mib name: dsx1IntervalESs
Trunk Controlled Slip Seconds	HIST	Gauge	Indicates the number of Controlled Slip Seconds. Mib name: dsx1IntervalCSSs
Trunk Path Coding Violations	HIST	Gauge	Indicates the number of Path Coding Violations. Mib name: dsx1IntervalPCVs
Trunk Bursty Errored Seconds	HIST	Gauge	Indicates the number of Bursty Errored Seconds. Mib name: dsx1IntervalBESs

3.4.6 Tab: SS7 Linkset

SS7 is not supported in this release.

Frame: Gateway System Monitoring (Configuration), Tab: SS7 Linkset

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
SS7 LinkSet SN0 Out of Service %	HIST	Counter	Percent of interval time for which gauge is above what was determined as the high threshold. In this case - 'Out Of Service'. Mib name: acPMSS7SN0LSOutOfServiceTimeAboveHighThreshold
SS7 LinkSet SN1 Out of Service %	HIST	Counter	Percent of interval time for which gauge is above what was determined as the high threshold. In this case - 'Out Of Service'. Mib name: acPMSS7SN1LSOutOfServiceTimeAboveHighThreshold

3.4.7 Tab: SS7 Link

SS7 is not supported in this release.

Frame: Gateway System Monitoring (Configuration), Tab: SS7 Link

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
SS7 Link Transmitted LSSU's	HIST	Counter	Value of gauge or counter. Mib name: acPMSS7TxLSSUVal
SS7 Link Received LSSU's	HIST	Counter	Value of gauge or counter. Mib name: acPMSS7RxLSSUVal
SS7 Link Transmitted FISU's	HIST	Counter	Value of gauge or counter. Mib name: acPMSS7TxFISUVal
SS7 Link Received FISU's	HIST	Counter	Value of gauge or counter. Mib name: acPMSS7RxFISUVal
SS7 Link Discarded MSU's	HIST	Counter	Value of gauge or counter. Mib name: acPMSS7DiscMSUVal
SS7 Link In Service %	HIST	Counter	Percent of interval time for which gauge is above what was determined as the high threshold. In this case - 'In Service'. Mib name: acPMSS7InServiceTimeAboveHighThreshold
SS7 Link Out Of Service %	HIST	Counter	Percent of interval time for which gauge is above what was determined as the high threshold. In this case - 'Out Of Service'. Mib name: acPMSS7OutOfServiceTimeAboveHighThreshold

3.4.8 Tab: Trunk Group Statistics

Frame: Gateway System Monitoring (Configuration), Tab: Trunk Group Statistics

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Tel to IP Trunk Group Established Calls Val	HIST	Counter	Value of gauge or counter. Mib name: acPMSIPTel2IPTrunkGroupEstablishedCallsVal
IP to Tel Trunk Group Established Calls Val	HIST	Counter	Value of gauge or counter. Mib name: acPMSIPIP2TelTrunkGroupEstablishedCallsVal
Trunk Group All Trunks Busy (sec)	HIST	Counter	Value of gauge or counter. Mib name: acPMSIPTrunkGroupAllTrunksBusyVal
Trunk Group Utilization (channels)	HIST	Gauge	Value of gauge or counter. Mib name: acPMSIPTrunkGroupUtilizationVal

3.5 Frame: Gateway System Monitoring (History)

3.5.1 Tab: System IP

Frame: Gateway System Monitoring (History), Tab: System IP

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Number of Outgoing KBytes	HIST	Counter	Counts the total number of outgoing Kbytes (1000 bytes) from the interface during the last interval. Mib name: acPMNetUtilKBytesVolumeTx
Number of Incoming KBytes	HIST	Counter	Counts the total number of Kbytes (1000 bytes) received on the interface, including those received in error, during the last interval. Mib name: acPMNetUtilKBytesVolumeRx
Number of Outgoing Pkts	HIST	Counter	Counts the total number of outgoing Packets from the interface during the last interval. Mib name: acPMNetUtilPacketsVolumeTx
Number of Incoming Pkts	HIST	Counter	Counts the total number of Packets received on the interface, including those received in error, during the last interval. Mib name: acPMNetUtilPacketsVolumeRx
Number of Incoming Discarded Pkts	HIST	Counter	Counts the total number of malformed IP Packets received on the interface during the last interval. These are packets which are corrupted or discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc. Mib name: acPMNetUtilDiscardedPacketsVal

3.5.2 Tab: VoP Call Statistics

Frame: Gateway System Monitoring (History), Tab: VoP Call Statistics

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Num of Active Contexts Avg	HIST	Gauge	Indicates the average number of voice calls connected on the gateway since the last clear. Mib name: acPMActiveContextCountAverage
Num of Active Contexts Min	HIST	Gauge	Indicates the minimum number of voice calls connected on the gateway since the last clear. Mib name: acPMActiveContextCountMin
Num of Active Contexts Max	HIST	Gauge	Indicates the maximum number of voice calls connected on the gateway since the last clear. Mib name: acPMActiveContextCountMax
G711 Active Calls Avg	HIST	Gauge	Indicates the average number of G.711 calls present on the TPM. Mib name: acPMChannelsPerCoderAverageG711
G723 Active Calls Avg	HIST	Gauge	Indicates the average number of G.723 calls present on the TPM. This attribute is only displayed if the G.723 Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderAverageG723
G728 Active Calls Avg	HIST	Gauge	Indicates the average number of G.728 calls present on the TPM. This attribute is only displayed if the G.728 Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderAverageG728
G729a Active Calls Avg	HIST	Gauge	Indicates the average number of G.729a calls present on the TPM. This attribute is only displayed if the G.729a Codec is provisioned on the DSP. Mib name: acPMChannelsPerCoderAverageG729a
G729e Active Calls Avg	HIST	Gauge	Indicates the average number of G.729e calls present on the TPM. This attribute is only displayed if the G.729e Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderAverageG729e
AMR Active Calls Avg	HIST	Gauge	Indicates the average number of AMR calls present on the TPM. This attribute is only displayed if the AMR Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderAverageAMR
EVRC Active Calls Avg	HIST	Gauge	Indicates the average number of EVRC calls present on the TPM. This attribute is only displayed if the EVRC Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderAverageEVRC

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Rx RTP Packet Loss Max	HIST	Gauge	Indicates the Max Rx RTP Packet loss (reported by RTCP) per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModuleRTPPacketLossRxMax
Tx RTP Packet Loss Max	HIST	Gauge	Indicates the Max Tx RTP Packet loss (reported by RTCP) per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModuleRTPPacketLossTxMax
RTP delay Average	HIST	Gauge	Indicates the average RTP packets delay per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModulePacketDelayAverage
RTP delay Max	HIST	Gauge	Indicates the maximum RTP packets delay per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModulePacketDelayMax
RTP delay Min	HIST	Gauge	Indicates the minimum RTP packets delay per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModulePacketDelayMin
RTP jitter Average	HIST	Gauge	Indicates the average RTP packets jitter per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModulePacketJitterAverage
RTP jitter Min	HIST	Gauge	Indicates the minimum RTP packets jitter per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModulePacketJitterMin
RTP jitter Max	HIST	Gauge	Indicates the maximum RTP packets jitter per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModulePacketJitterMax
Rx RTP Bytes Max	HIST	Gauge	Indicates the Max Tx RTP Bytes per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModuleRTPBytesRxMax
Tx RTP Bytes Max	HIST	Gauge	Indicates the Max Rx RTP Bytes per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModuleRTPBytesTxMax

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Rx RTP Packets Max	HIST	Gauge	Indicates the Max Rx RTP Packets per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModuleRTPPacketsRxMax
Tx RTP Packets Max	HIST	Gauge	Indicates the Max Tx RTP Packets per TPM, up to this point in time during the collection interval, as indicated by the time Interval. Mib name: acPMModuleRTPPacketsTxMax
RTCP XR Average Conversational R Factor	HIST	Gauge	Average conversational R factor. Mib name: rtcpXrHistoryAvgRCQ
RTCP XR Maximum Conversational R Factor	HIST	Gauge	Maximum conversational R factor. Mib name: rtcpXrHistoryMaxRCQ
RTCP XR Minimum Conversational R Factor	HIST	Gauge	Minimum conversational R factor. Mib name: rtcpXrHistoryMinRCQ

3.5.3 Tab: Common Control

Frame: Gateway System Monitoring (History), Tab: Common Control

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Lifetime in seconds Avg	HIST	Counter	Indicates the Connection lifetime, in seconds. Mib name: acPMCPConnectionLifetimeAverage
Lifetime in seconds Min	HIST	Counter	Indicates the Connection lifetime, in seconds. Mib name: acPMCPConnectionLifetimeMin
Lifetime in seconds Max	HIST	Counter	Indicates the Connection lifetime, in seconds. Mib name: acPMCPConnectionLifetimeMax
MGC response counters	HIST	Counter	Indicates the MGC response counters. Mib name: acPMCPCommandCounterValRx
MGC command counters	HIST	Counter	Indicates the MGC command counters. Mib name: acPMCPCommandCounterValTx
MGC Rx retransmissions	HIST	Counter	Counts the number of incoming retransmissions. Mib name: acPMCPRetransmissionCountValRx
MGC Tx retransmissions	HIST	Counter	Counts the number of transactions retransmissions sent from the board. Mib name: acPMCPRetransmissionCountValTx
Call Attempts Per Sec Average	HIST	Counter	Average of call attempts (successful and unsuccessful) per second, during last interval. Mib name: acPMCPCallAttemptsPerSecAverage

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Call Attempts Per Sec Max	HIST	Counter	Maximum of call attempts (successful and unsuccessful) per second, during last interval. Mib name: acPMCPCallAttemptsPerSecMax
Call Attempts Per Sec Min	HIST	Counter	Minimum of call attempts (successful and unsuccessful) per second, during last interval. Mib name: acPMCPCallAttemptsPerSecMin

3.5.4 Tab: MEGACO Control

Frame: Gateway System Monitoring (History), Tab: MEGACO Control

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
[H.248] Num of Active Contexts Avg	HIST	Gauge	Indicates the Average number of H.248 active contexts incorporating at least 1 Termination, per TPM, during the last interval. Mib name: acPMActiveContextCountAverageMegaco
[H.248] Num of Active Contexts Min	HIST	Gauge	Indicates the Minimum number of H.248 active contexts incorporating at least 1 Termination, per TPM, during the last interval. Mib name: acPMActiveContextCountMinMegaco
[H.248] Num of Active Contexts Max	HIST	Gauge	Indicates the Maximum number of H.248 active contexts incorporating at least 1 Termination, per TPM, during the last interval. Mib name: acPMActiveContextCountMaxMegaco
[H.248] Service Change Command - Disconnected	HIST	Counter	Counts the Disconnected service change commands sent (excluding retransmission) to the current MGC, during last interval. Mib name: acPMMegacoServiceChangeCountValdisconnected
[H.248] Service Change Command - Restart	HIST	Counter	Counts the Restart service change commands (excluding retransmission) sent to the current MGC, during the last interval. Mib name: acPMMegacoServiceChangeCountValrestart
[H.248] Service Change Command - Forced	HIST	Counter	Counts the Forced service change commands sent (excluding retransmission) to the current MGC, during the last interval. Mib name: acPMMegacoServiceChangeCountValforced

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
[H.248] Service Change Command - Graceful	HIST	Counter	Counts the Graceful service change commands sent (excluding retransmission) to the current MGC, during the last interval. Mib name: acPMMegacoServiceChangeCountValgraceful
[H.248] Service Change Command - FailOver	HIST	Counter	Counts the number of times the TPM performed failover procedures and attempted contact with another controller, during the last interval. Mib name: acPMMegacoServiceChangeCountValfailOver
[H.248] Service Change Command - Handoff	HIST	Counter	Counts the number of times the TPM performed Handoff procedures and attempted contact with another controller during the last interval. Mib name: acPMMegacoServiceChangeCountValhandoff
Success [H.248] Add	HIST	Counter	Counts the number of successful Add commands, during the last interval. Mib name: acPMCPCmdSuccessCountValAdd
Success [H.248] Move	HIST	Counter	Counts the number of successful Move commands, during the last interval. Mib name: acPMCPCmdSuccessCountValMove
Success [H.248] Modify	HIST	Counter	Counts the number of successful Modify commands, during the last interval. Mib name: acPMCPCmdSuccessCountValModify
Success [H.248] Subtract	HIST	Counter	Counts the number of successful Subtract commands, during the last interval. Mib name: acPMCPCmdSuccessCountValSubtract
Success [H.248] Service Change	HIST	Counter	Counts the number of successful Service Change commands, during the last interval. Mib name: acPMCPCmdSuccessCountValSc
Success [H.248] Audit-Value	HIST	Counter	Counts the number of successful Audit Value commands, during the last interval. Mib name: acPMCPCmdSuccessCountValAuditValue
Success [H.248] Audit-Capabilities	HIST	Counter	Counts the number of successful Audit Capabilities commands, during the last interval. Mib name: acPMCPCmdSuccessCountValAuditCap
Success [H.248] Notify	HIST	Counter	Counts the number of successful Notify commands, during the last interval. Mib name: acPMCPCmdSuccessCountValNotify
Failed [H.248] Add	HIST	Counter	Counts the number of Add commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValAdd

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Failed [H.248] Move	HIST	Counter	Counts the number of Move commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValMove
Failed [H.248] Modify	HIST	Counter	Counts the number of Modify commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValModify
Failed [H.248] Subtract	HIST	Counter	Counts the number of Subtract commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValSubtract
Failed [H.248] Service Change	HIST	Counter	Counts the number of Service Change commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValSc
Failed [H.248] Audit-Value	HIST	Counter	Counts the number of Audit Value commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValAuditValue
Failed [H.248] Audit-Capabilities	HIST	Counter	Counts the number of Audit Capabilities commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValAuditCap
Failed [H.248] Notify	HIST	Counter	Counts the number of Notify commands failure, during the last interval. Mib name: acPMCPCmdFailureCountValNotify

3.6 Frame: Gateway System Monitoring (Real-Time)

3.6.1 Tab: System IP

Frame: Gateway System Monitoring (Real-Time), Tab: System IP

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Number of Outgoing KBytes	RT	Gauge	This attribute counts the Current total number of outgoing Kbytes (1000 bytes) from the interface, so far from the beginning of the current collection interval as indicated by time Interval. Mib name: acPMNetUtilKBytesTotalTx
Number of Incoming KBytes	RT	Gauge	This attribute counts the total number of Kbytes (1000 bytes) received on the interface, including those received in error, so far from the beginning of the current collection interval as indicated by time Interval. Mib name: acPMNetUtilKBytesTotalRx
Number of Outgoing Pkts	RT	Gauge	This attribute counts the Current total number of outgoing Packets from the interface, so far from the beginning of the current collection interval as indicated by time Interval. Mib name: acPMNetUtilPacketsTotalTx
Number of Incoming Pkts	RT	Gauge	This attribute counts the Current total number of Packets received on the interface, including those received in error, so far from the beginning of the current collection interval as indicated by time Interval. Mib name: acPMNetUtilPacketsTotalRx
Number of Incoming Discarded Pkts	RT	Gauge	This attribute counts the Current total number of malformed IP Packets received on the interface from the beginning of the current collection interval. These are packets which are corrupted or discarded due to errors in their IP headers, including bad checksums, version number mismatch, other format errors, time-to-live exceeded, errors discovered in processing their IP options, etc. Mib name: acPMNetUtilDiscardedPacketsTotal

3.6.2 Tab: VoP Call Statistics

Frame: Gateway System Monitoring (Real-Time), Tab: VoP Call Statistics

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Num of Active Contexts	RT	Gauge	Indicates the current number of voice calls connected on the box since last clear. Mib name: acPMActiveContextCountVal
G711 Active Calls	RT	Gauge	This attribute indicates the current number of G711 calls present on the TPM. Mib name: acPMChannelsPerCoderValG711
G723 Active Calls	RT	Gauge	This attribute indicates the current number of G723 calls present on the TPM.This attribute is only displayed if the G723 Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderValG723
G728 Active Calls	RT	Gauge	This attribute indicates the current number of G728 calls present on the TPM.This attribute is only displayed if the G728 Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderValG728
G729a Active Calls	RT	Gauge	This attribute indicates the current number of G729a calls present on the TPM.This attribute is only displayed if the G729a Codec is provisioned on the DSP. Mib name: acPMChannelsPerCoderValG729a
G729e Active Calls	RT	Gauge	This attribute indicates the current number of G729e calls present on the TPM.This attribute is only displayed if the G729e Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderValG729e
AMR Active Calls	RT	Gauge	This attribute indicates the current number of AMR calls present on the TPM.This attribute is only displayed if the AMR Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderValAMR
EVRC Active Calls	RT	Gauge	This attribute indicates the current number of EVRC calls present on the TPM.This attribute is only displayed if the EVRC Codec is provisioned on the DSP template. Mib name: acPMChannelsPerCoderValEVRC
Rx Packet Loss current	RT	Gauge	The total number of RTP packet loss reported by RTCP since last reset. Mib name: acPMModuleRTPPacketLossRxTotal

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Tx Packets Loss current	RT	Gauge	The total number of RTP packet loss reported by RTCP since last reset. Mib name: acPMModuleRTPPacketLossTxTotal
Rx Packets Current	RT	Gauge	The total number of packets recieved since last reset. Mib name: acPMModuleRTPPacketsRxTotal
Rx Packets Current	RT	Gauge	The total number of RTP packets transmited since last reset. Mib name: acPMModuleRTPPacketsTxTotal

3.6.3 Tab: Common Control

Frame: Gateway System Monitoring (Real-Time), Tab: Common Control

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Lifetime in seconds	RT	Counter	The Connection lifetime in seconds. Mib name: acPMCPConnectionLifetimeVolume
MGC Tx command counters	RT	Gauge	MGC command counters. Mib name: acPMCPCommandCounterTotalTx
MGC Rx command counters	RT	Gauge	MGC response counters. Mib name: acPMCPCommandCounterTotalRx
MGC Tx retransmissions	RT	Gauge	Number of transactions retransmissions sent from the board. Mib name: acPMCPRetransmissionCountTotalTx
MGC Rx retransmissions	RT	Gauge	Number of incoming retransmissions. Mib name: acPMCPRetransmissionCountTotalRx
Call Attempts Per Sec	RT	Gauge	Number of Call attempts (successful and unsuccessful) per second, during current interval. Mib name: acPMCPCallAttemptsPerSecVal

3.6.4 Tab: MEGACO Control

Frame: Gateway System Monitoring (Real-Time), Tab: MEGACO Control

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
[H.248] Num of Active Contexts	RT	Gauge	This attribute indicates the Current number of H.248 active contexts incorporating at least 1 Termination, per TPM. Mib name: acPMActiveContextCountValMegaco
[H.248] Service Change Command - Disconnected	RT	Counter	Counts the Disconnected service change commands sent (excluding retransmission) to the current MGC, during last interval. Mib name: acPMMegacoServiceChangeCountValdisconnected
[H.248] Service Change Command - Restart	RT	Counter	Counts the Restart service change commands (excluding retransmission) sent to the current MGC, during the last interval. Mib name: acPMMegacoServiceChangeCountValrestart
[H.248] Service Change Command - Forced	RT	Counter	Counts the Forced service change commands sent (excluding retransmission) to the current MGC, during the last interval. Mib name: acPMMegacoServiceChangeCountValforced
[H.248] Service Change Command - Graceful	RT	Counter	Counts the Graceful service change commands sent (excluding retransmission) to the current MGC, during the last interval. Mib name: acPMMegacoServiceChangeCountValgraceful
[H.248] Service Change Command - FailOver	RT	Counter	Counts the number of times the TPM performed failover procedures and attempted contact with another controller, during the last interval. Mib name: acPMMegacoServiceChangeCountValfailOver
[H.248] Service Change Command - Handoff	RT	Counter	Counts the number of times the TPM performed Handoff procedures and attempted contact with another controller during the last interval. Mib name: acPMMegacoServiceChangeCountValhandoff
Success [H.248] Add	RT	Counter	Counts the number of successful Add commands, during the last interval. Mib name: acPMCPCmdSuccessCountTotalAdd

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Success [H.248] Move	RT	Counter	Counts the number of successful Move commands, during the last interval. Mib name: acPMCPCmdSuccessCountTotalMove
Success [H.248] Modify	RT	Counter	Counts the number of successful Modify commands, during the last interval. Mib name: acPMCPCmdSuccessCountTotalModify
Success [H.248] Subtract	RT	Counter	Counts the number of successful Subtract commands, during the last interval. Mib name: acPMCPCmdSuccessCountTotalSubtract
Success [H.248] Service Change	RT	Counter	Counts the number of successful Service Change commands, during the last interval. Mib name: acPMCPCmdSuccessCountTotalSc
Success [H.248] Audit-Value	RT	Counter	Counts the number of successful Audit Value commands, during the last interval. Mib name: acPMCPCmdSuccessCountTotalAuditValue
Success [H.248] Audit-Capabilities	RT	Counter	Counts the number of successful Audit Capabilities commands, during the last interval. Mib name: acPMCPCmdSuccessCountTotalAuditCap
Success [H.248] Notify	RT	Counter	Counts the number of successful Notify commands, during the last interval. Mib name: acPMCPCmdSuccessCountTotalNotify
Failed [H.248] Add	RT	Counter	Counts the number of Add commands failure, during the last interval. Mib name: acPMCPCmdFailureCountTotalAdd
Failed [H.248] Move	RT	Counter	Counts the number of Move commands failure, during the last interval. Mib name: acPMCPCmdFailureCountTotalMove
Failed [H.248] Modify	RT	Counter	Counts the number of successful Modify commands, during the last interval. Mib name: acPMCPCmdFailureCountTotalModify
Failed [H.248] Subtractv	RT	Counter	Counts the number of successful Subtract commands, during the last interval. Mib name: acPMCPCmdFailureCountTotalSubtract
Failed [H.248] Service Change	RT	Counter	Counts the number of Service Change commands failure, during the last interval. Mib name: acPMCPCmdFailureCountTotalSc
Failed [H.248] Audit-Value	RT	Counter	Counts the number of Audit Value commands failure, during the last interval. Mib name: acPMCPCmdFailureCountTotalAuditValue

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Failed [H.248] Audit-Capabilities	RT	Counter	Counts the number of Audit Capabilities commands failure, during the last interval. Mib name: acPMCPCmdFailureCountTotalAuditCap
Failed [H.248] Notify	RT	Counter	Counts the number of Notify commands failure, during the last interval. Mib name: acPMCPCmdFailureCountTotalNotify

3.7 Frame: SS7 Link Monitoring (History)

SS7 is not supported in this release.

3.7.1 Tab: SS7 Link Statistics

SS7 is not supported in this release.

Frame: SS7 Link Monitoring (History), Tab: SS7 Link Statistics

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
SS7 Link Transmitted LSSU's	HIST	Counter	Value of gauge or counter. Mib name: acPMSS7TxLSSUVal
SS7 Link Received LSSU's	HIST	Counter	Value of gauge or counter. Mib name: acPMSS7RxLSSUVal
SS7 Link Transmitted FISU's	HIST	Counter	Value of gauge or counter. Mib name: acPMSS7TxFISUVal
SS7 Link Received FISU's	HIST	Counter	Value of gauge or counter. Mib name: acPMSS7RxFISUVal
SS7 Link Discarded MSU's	HIST	Counter	Value of gauge or counter. Mib name: acPMSS7DiscMSUVal
SS7 Link In Service %	HIST	Counter	Percent of interval time for which gauge is above what was determined as the high threshold. In this case - 'In Service'. Mib name: acPMSS7InServiceTimeAboveHighThreshold
SS7 Link Out Of Service %	HIST	Counter	Percent of interval time for which gauge is above what was determined as the high threshold. In this case - 'Out Of Service'. Mib name: acPMSS7OutOfServiceTimeAboveHighThreshold

3.8 Frame: SS7 Link Monitoring (Real-Time)

SS7 is not supported in this release.

3.8.1 Tab: SS7 Link Statistics

SS7 is not supported in this release.

Frame: SS7 Link Monitoring (Real-Time), Tab: SS7 Link Statistics

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
SS7 Link Transmitted LSSU's	RT	Counter	Total since last reset. Mib name: acPMSS7TxLSSUTotal
SS7 Link Received LSSU's	RT	Counter	Total since last reset. Mib name: acPMSS7RxLSSUTotal
SS7 Link Transmitted FISU's	RT	Counter	Total since last reset. Mib name: acPMSS7TxFISUTotal
SS7 Link Received FISU's	RT	Counter	Total since last reset. Mib name: acPMSS7RxFISUTotal
SS7 Link Transmitted Octets	RT	Counter	Total since last reset. Mib name: acPMSS7TxOctetsTotal
SS7 Link Received Octets	RT	Counter	Total since last reset. Mib name: acPMSS7RxOctetsTotal
SS7 Link MTP2 No Ack Received	RT	Counter	Total since last reset. Mib name: acPMSS7MTP2NoAckRxTotal
SS7 Link Discarded MSU's	RT	Counter	Total since last reset. Mib name: acPMSS7DiscMSUTotal

3.9 Frame: SS7 Linkset Monitoring (History)

SS7 is not supported in this release.

3.9.1 Tab: SS7 Linkset Statistics

SS7 is not supported in this release.

Frame: SS7 Linkset Monitoring (History), Tab: SS7 Linkset Statistics

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
SS7 LinkSet SN0 Out of Service %	HIST	Counter	Percent of interval time for which gauge is above what was determined as the high threshold. In this case - 'Out Of Service'. Mib name: acPMSS7SN0LSOutOfServiceTimeAboveHighThreshold
SS7 LinkSet SN1 Out of Service %	HIST	Counter	Percent of interval time for which gauge is above what was determined as the high threshold. In this case - 'Out Of Service'. Mib name: acPMSS7SN1LSOutOfServiceTimeAboveHighThreshold

3.10 Frame: SS7 Node Monitoring (Real-Time)

SS7 is not supported in this release.

3.10.1 Tab: SS7 Node Statistics

SS7 is not supported in this release.

Frame: SS7 Node Monitoring (Real-Time), Tab: SS7 Node Statistics

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
SS7 Node Transmitted MTP3 MSU's	RT	Counter	Total since last reset. Mib name: acPMSS7TxMTP3MSUTotal
SS7 Node Received MTP3 MSU's	RT	Counter	Total since last reset. Mib name: acPMSS7RxMTP3MSUTotal
SS7 Node Discarded MTP3 MSU's	RT	Counter	Total since last reset. Mib name: acPMSS7MTP3MSUDiscardedTotal

3.11 Frame: Trunk Monitoring (History)

3.11.1 Tab: Trunk Performance

Frame: Trunk Monitoring (History), Tab: Trunk Performance

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Trunk utilization Avg	HIST	Gauge	Indicates the Average of simultaneously busy DS0 channels on this Trunk up to this point in time during the collection interval, as indicated by the Time Interval. A busy channel is when the Physical DS0 Termination isn't in Null context or OOS. A Trunk is either E1 or T1. Mib name: acPMTrunkUtilizationAverage
Trunk utilization Min	HIST	Gauge	Indicates the Minimum of simultaneously busy DS0 channels on this Trunk up to this point in time during the collection interval, as indicated by the Time Interval. A busy channel is when the Physical DS0 Termination isn't in Null context or OOS. A Trunk is either E1 or T1. Mib name: acPMTrunkUtilizationMin
Trunk utilization Max	HIST	Gauge	Indicates the Maximum of simultaneously busy DS0 channels on this Trunk up to this point in time during the collection interval, as indicated by the Time Interval. A busy channel is when the Physical DS0 Termination isn't in Null context or OOS. A Trunk is either E1 or T1. Mib name: acPMTrunkUtilizationMax
Trunk Errored Seconds	HIST	Gauge	Indicates the number of Errored Seconds. Mib name: dsx1IntervalESs
Trunk Controlled Slip Seconds	HIST	Gauge	Indicates the number of Controlled Slip Seconds. Mib name: dsx1IntervalCSSs
Trunk Path Coding Violations	HIST	Gauge	Indicates the number of Path Coding Violations. Mib name: dsx1IntervalPCVs
Trunk Bursty Errored Seconds	HIST	Gauge	Indicates the number of Bursty Errored Seconds. Mib name: dsx1IntervalBESs

3.12 Frame: Trunk Monitoring (Real-Time)

3.12.1 Tab: Trunk Performance

Frame: Trunk Monitoring (Real-Time), Tab: Trunk Performance

EMS Parameter Name	RT / Hist	Gauge / Counter	Parameter Description
Trunk utilization	RT	Gauge	This attribute indicates the Current simultaneous busy DS0 channels on this Trunk. A busy channel is when the Physical DS0 Termination isn't in Null context or OOS. A Trunk is either E1 or T1. Mib name: acPMTrunkUtilizationVal
Trunk Calls Duration	RT	Gauge	Value of gauge or counter. Mib name: acPMPSTNTrunkActivitySecondsVal
Trunk Errored Seconds	RT	Gauge	This attribute indicates amount of Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0. Mib name: dsx1TotalESs
Trunk Controlled Slip Seconds	RT	Gauge	This attribute indicates amount of Controlled Slip Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0. Mib name: dsx1TotalCSSs
Trunk Path Coding Violations	RT	Gauge	This attribute indicates amount of Path Coding Violations encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0. Mib name: dsx1TotalPCVs
Trunk Bursty Errored Seconds	RT	Gauge	This attribute indicates amount of Bursty Errored Seconds encountered by a DS1 interface in the previous 24 hour interval. Invalid 15 minute intervals count as 0. Mib name: dsx1TotalBESs

4 Alarms

Supported alarms / events can fall into one of the following categories:

- Standard traps: traps originated by the media gateway / server - all the standard traps are treated are events.
- Proprietary alarms / events: traps originated by the media gateway / server and defined in the gateway proprietary MIB.
- EMS alarms / events: traps originated by the EMS application and defined in the EMS proprietary MIB.

To find out which traps are defined as Events refer to 'Alarm Name' or 'Alarm Title' fields in the table. All the events are marked with [Event] prefix. This is how events are marked in the EMS Alarms Browser and Alarms History windows.

Each alarm / event described in this section includes the following information:

Information Included in Each Alarm

Alarm Name	The alarm name, as it appears in the EMS Alarm Browser.
Alarm Source	Possible values of sources if applicable to a specific alarm. This value is displayed from the variable-binding tgTrapGlobalsSource. For the complete list of Managed Objects, refer to the Mediant 5000 / 8000 Programmers' User Manual.
Severity	Possible values of severities. This value is displayed from the variable-binding tgTrapGlobalsSeverity.
Alarm Type	Alarm type according to ITU X.733 definition. This value is displayed from the variable-binding tgTrapGlobalsType.
Alarm Probable Cause	Alarm probable cause according to ITU X.733 definition. This value is displayed from the variable-binding tgTrapGlobalsProbableCause.
Description	Textual description of specific problem. This value is displayed from the variable-binding tgTrapGlobalsTextualDescription. The document includes a few examples of the possible values of this field.
Additional Info	Additional information fields provided by MG application, depending on the specific scenario. These values are displayed from tgTrapGlobalsAdditionalInfo1, tgTrapGlobalsAdditionalInfo2 and tgTrapGlobalsAdditionalInfo3. The document includes a few examples of the possible values of this field.
SNMP Trap Name	NOTIFICATION-TYPE Name as it appears in the MIB.
SNMP Trap OID	NOTIFICATION-TYPE OID as it appears in the MIB.
Corrective Action	Possible corrective action when applicable.

4.1 Standard Traps

4.1.1 Cold Start

Cold Start

Description	SNMPv2-MIB: A coldStart trap signifies that the SNMP entity, supporting a notification originator application, is reinitializing itself and that its configuration may have been altered.
SNMP Alarm	coldStart
SNMP OID	1.3.6.1.6.3.1.1.5.1
Alarm Title	[Event] Cold Start
Alarm Type	Communication Alarm
Alarm Source	
Probable Cause	Other
Severity	Clear
Additional Info1,2,3	
Corrective Action	

4.1.2 Link Down

This alarm is supported for Ethernet and DS1 links. In the Mediant 3000, it is also supported for DS3, SONET and SDH links.

Link Down

Description	SNMPv2-MIB: A linkDown trap signifies that the SNMP entity, acting in an agent role, has detected that the ifOperStatus object for one of its communication links is about to enter the down state from some other state (but not from the notPresent state). This other state is indicated by the included value of ifOperStatus.
SNMP Alarm	[Event] linkDown
SNMP OID	1.3.6.1.6.3.1.1.5.3
Alarm Title	Link Down
Alarm Type	Communication Alarm
Alarm Source	
Probable Cause	Other
Severity	Major
Additional Info1,2,3	
Corrective Action	

4.1.3 Link Up

This alarm is supported for Ethernet and DS1 links. In the Mediant 3000, it is also supported for DS3, SONET and SDH links.

Link Up

Description	SNMPv2-MIB: A linkUp trap signifies that the SNMP entity, acting in an agent role, has detected that the ifOperStatus object for one of its communication links left the down state and transitioned into some other state (but not into the notPresent state). This other state is indicated by the included value of ifOperStatus.
SNMP Alarm	[Event] linkUp
SNMP OID	1.3.6.1.6.3.1.1.5.4
Alarm Title	Link Up
Alarm Type	Communication Alarm
Alarm Source	
Probable Cause	Other
Severity	Clear
Additional Info1,2,3	
Corrective Action	

4.1.4 Entity Configuration Change

Entity Configuration Change

Description	Entity-MIB: An entConfigChange notification is generated when the value of entLastChangeTime changes.
SNMP Alarm	[Event] entConfigChange
SNMP OID	1.3.6.1.2.1.47.2.0.1
Alarm Title	Entity Configuration Change
Alarm Type	Equipment Alarm
Alarm Source	
Probable Cause	Other
Severity	Info
Additional Info1,2,3	
Corrective Action	

4.1.5 Authentication Failure

Authentication Failure

Description	SNMPv2-MIB: An authenticationFailure trap signifies that the SNMP entity has received a protocol message that is no properly authenticated. While all implementations of SNMP entities MAY be capable of generating this trap, the snmpEnableAuthenTraps object indicates whether this trap will be generated.
SNMP Alarm	[Event] authenticationFailure
SNMP OID	1.3.6.1.6.3.1.1.5.5
Alarm Title	Authentication Failure
Alarm Type	Communication Alarm
Alarm Source	
Probable Cause	Other
Severity	Major
Additional Info1,2,3	
Corrective Action	

4.1.6 DS1 Line Status

DS1 Line Status

Description	From RFC 3895 (Definitions of Managed Objects for the DS1, E1, DS2, and E2 Interface Types. O. Nicklass, Ed.. September 2004): A dsx1LineStatusChange trap is sent when the value of an instance dsx1LineStatus changes. It can be utilized by an NMS to trigger polls. When the line status change results from a higher level line status change (i.e., ds3), then no traps for the ds1 are sent.
SNMP Alarm	[Event] dsx1LineStatusChange
SNMP OID	1.3.6.1.2.1.10.18.15.0.1
Alarm Title	DS1 Line Status
Alarm Type	Communication Alarm
Alarm Source	Trunk# (number of trunk)
Probable Cause	Other
Severity	Major on raise, Clear on clear

Additional Info1,2,3	Updated DS1 Line Status. This variable indicates the Line Status of the interface. It contains loopback, failure, received 'alarm' and transmitted 'alarms' information. The dsx1LineStatus is a bit map represented as a sum, therefore, it can represent multiple failures (alarms) and a LoopbackState simultaneously. dsx1NoAlarm must be set if and only if no other flag is set. If the dsx1loopbackState bit is set, the loopback in effect can be determined from the dsx1loopbackConfig object. The various bit positions are: 1 dsx1NoAlarm — No alarm present 2 dsx1RcvFarEndLOF — Far end LOF (a.k.a., Yellow Alarm) 4 dsx1XmtFarEndLOF — Near end sending LOF Indication 8 dsx1RcvAIS — Far end sending AIS 16 dsx1XmtAIS — Near end sending AIS 32 dsx1LossOfFrame — Near end LOF (a.k.a., Red Alarm) 64 dsx1LossOfSignal — Near end Loss Of Signal 128 dsx1LoopbackState — Near end is looped 256 dsx1T16AIS — E1 TS16 AIS 512 dsx1RcvFarEndLOMF — Far End Sending TS16 LOMF 1024 dsx1XmtFarEndLOMF — Near End Sending TS16 LOMF 2048 dsx1RcvTestCode — Near End detects a test code 4096 dsx1OtherFailure — Any line status not defined here 8192 dsx1UnavailSigState — Near End in Unavailable Signal State 16384 dsx1NetEquipOOS — Carrier Equipment Out of Service 32768 dsx1RcvPayloadAIS — DS2 Payload AIS 65536 dsx1Ds2PerfThreshold — DS2 Performance Threshold Exceeded
Corrective Action	-

4.1.7 DS3 Line Status

DS3 Line Status

Description	From RFC 3896 (Definitions of Managed Objects for the DS3/E3 Interface Type. O.Nicklass, Ed.. September 2004): A dsx3LineStatusChange trap is sent when the value of an instance of dsx3LineStatus changes. It can be utilized by an NMS to trigger polls. When the line status change results in a lower level line status change (i.e., ds1), then no traps for the lower level are sent.
SNMP Alarm	[Event] dsx3LineStatusChange
SNMP OID	1.3.6.1.2.1.10.30.15.0.1
Alarm Title	DS3 Line Status
Alarm Type	Communication Alarm
Alarm Source	Trunk# (number of trunk)
Probable Cause	Other
Severity	Major on raise, Clear on clear

Additional Info1,2,3	Updated DS3 Line Status. This variable indicates the Line Status of the interface. It contains loopback state information and failure state information. The dsx3LineStatus is a bit map represented as a sum, therefore it can represent multiple failures and a loopback (see dsx3LoopbackConfig object for the type of loopback) simultaneously. The dsx3NoAlarm must be set if and only if no other flag is set. If the dsx3loopbackState bit is set, the loopback in effect can be determined from the dsx3loopbackConfig object. The various bit positions are: 1 dsx3NoAlarm — No alarm present 2 dsx3RcvRAIFailure — Receiving Yellow/Remote Alarm Indication 4 dsx3XmitRAIAlarm — Transmitting Yellow/Remote Alarm Indication 8 dsx3RcvAIS — Receiving AIS failure state 16 dsx3XmitAIS — Transmitting AIS 32 dsx3LOF — Receiving LOF failure state 64 dsx3LOS — Receiving LOS failure state 128 dsx3LoopbackState — Looping the received signal 256 dsx3RcvTestCode — Receiving a Test Pattern 512 dsx3OtherFailure — Any line status not defined here 1024 dsx3UnavailSigState — Near End in Unavailable Signal State 2048 dsx3NetEquipOOS — Carrier Equipment Out of Service
Corrective Action	-

4.2 EMS Alarms

4.2.1 EMS Trap Receiver Binding Error

EMS Trap Receiver Binding Error

Textual Description	This alarm is generated during server startup if an error occurs indicating that the SNMP trap receiver port is already taken.
SNMP OID	acEMSSnmpCannotBindError- 1.3.6.1.4.1.5003.9.20.3.2.0.1
AlarmTitle	[Event] EMS Trap Receiver Binding Error
ItuAlarmType	Environmental Alarm
AlarmSource	EMS Server
Probable Cause	Application Subsystem Failure
Severity	Critical
Additional Info	-
Corrective Action	Run netstats command to verify which application uses the alarms reception port (by default UDP post 162). • EMS application: If it's busy, check which application uses this port. If it's not freed by the EMS application, restart the EMS Server application according to the equipment installation manual. • Other network management application: change the EMS application and all managed gateways' default alarm reception ports.
Media Gateways	All the gateways managed by the EMS

4.2.2 GW Connection Alarm

GW Connection Alarm

Textual Description	Originated by the EMS when an SNMP Timeout occurs for the first time in the Media Gateway
SNMP OID	acEMSNodeConnectionLostAlarm - 1.3.6.1.4.1.5003.9.20.3.2.0.3
AlarmTitle	GW Connection Alarm
ItuAlarmType	Communications Alarm
AlarmSource	Media Gateway
Probable Cause	Communications Subsystem Failure
Severity	Critical
Additional Info	-
Corrective Action	Communication problem: Try to ping the gateway to check if there is network communication. • Default gateway alive: Open the network screen. Check the default gateway IP address and ping it. • SNMP Community Strings: Verify that the community string defined in the EMS for the gateway matchs the actual gateway community strings. To check the community string, right-click on the gateway, select the 'Details' menu. Default community strings: read = public, write = private. • Hardware Problem: Check that the gateway is alive according to the LEDs. Verify that network and power cables are in place and plugged in.
Media Gateways	All the gateways managed by the EMS

4.2.3 GW Mismatch Alarm

GW Mismatch Alarm

Textual Description	Activated when the EMS detects a hardware, software, predefine or configuration mismatch. • Software Mismatch: Activated when the EMS detects a software version mismatch between the actual and the previous definition of the Media Gateway (for example, Version 4.0.353 instead of the previously defined 4.0.278). This is also the case when the new version is not defined in the Software Manager. • Hardware Mismatch: Activated when the EMS detects a hardware mismatch between the actual and the previous definition of a Media Gateway. • Configuration Mismatch: Activated when the EMS detects a configuration mismatch between the actual parameter values provisioned and previous parameter values provisioned.
SNMP OID	acEMSNoMismatchNodeAlarm - 1.3.6.1.4.1.5003.9.20.3.2.0.9
AlarmTitle	GW Mismatch Alarm
ItuAlarmType	Equipment Alarm
AlarmSource	Media Gateway/Software Media Gateway/Hardware Media Gateway/Configuration
Probable Cause	Other
Severity	Clear
Additional Info	-

Corrective Action	• Software Mismatch: ✓ Define the detected version in the EMS Software Manager ✓ Perform a Software Upgrade on the gateway with one of the supported versions. • Hardware Mismatch: ✓ Perform remove / add a gateway from the EMS tree in order to resync EMS and the gateway status ✓ Verify in the Software Manager that an appropriate version exists for the hardware type displayed in the error message • Configuration Mismatch: ✓ Run Configuration Verification command in order to compare EMS configuration and actual MG configuration: -MG configuration is incorrect: use configuration download to update MG with correct configuration saved in the EMS database. -MG is correct, EMS is not updated: use configuration upload to save a correct MG configuration in the EMS database. • Check the Actions Journal for recent updates of the gateway.
Media Gateways	All the gateways managed by the EMS.

4.2.4 EMS Server Started

EMS Server Started

Textual Description	Originated each time the server is started or restarted (warm boot/reboot) by the EMS Watchdog Process
SNMP OID	acEMSServerStartup- 1.3.6.1.4.1.5003.9.20.3.2.0.11
AlarmTitle	[Event] EMS Server Started
ItuAlarmType	Communications Alarm
AlarmSource	EMS Server
Probable Cause	Other
Severity	Major
Additional Info	-
Corrective Action	-
Media Gateways	All the gateways managed by the EMS.

4.2.5 Disk Space Alarm

Disk Space Alarm

Textual Description	Originated when the EMS Server hard disk capacity is almost full.
SNMP OID	acEMSNotEnoughDiskSpaceAlarm - 1.3.6.1.4.1.5003.9.20.3.2.0.12
AlarmTitle	Disk Space Alarm
ItuAlarmType	Environment Alarm
AlarmSource	EMS Server
Probable Cause	-
Severity	Critical - disk usage > 80 % Major - disk usage > 70 %
Additional Info	-
Corrective Action	▪ Clean all unnecessary files ▪ Expand the hard disk
Media Gateways	All the gateways managed by the EMS.

4.2.6 Software Replaced

Software Replaced

Textual Description	Originates when the EMS discovers a software version replace between board versions, for example, from V4.6.009.004 to V4.6.152.003 (when both versions are managed by the EMS). Software Replace old version : <old version> new version <new version>
SNMP OID	acEMSSoftwareReplaceAlarm- 1.3.6.1.4.1.5003.9.20.3.2.0.14
AlarmTitle	[Event] Software Replaced
ItuAlarmType	Communications Alarm
AlarmSource	EMS Server
Probable Cause	Other
Severity	Info
Additional Info	If you initiated a performance measurements polling process before you initiated the software replacement process, the polling process is stopped.
Corrective Action	No action should be taken; this is an information alarm.
Media Gateways	All the gateways managed by the EMS.

4.2.7 Hardware Replaced

Hardware Replaced

Textual Description	Originated when the EMS discovers a different gateway (according to the MAC address) to what was initially defined, while the Hardware Type remains the same. Hardware Replace is discovered by the MAC address and performed during Board Started trap.
SNMP OID	acEMSHardwareReplaceAlarm - 1.3.6.1.4.1.5003.9.20.3.2.0.15
AlarmTitle	[Event] Hardware Replaced
ItuAlarmType	Equipment Alarm
AlarmSource	Media Gateway
Probable Cause	Other
Severity	Major
Additional Info	-
Corrective Action	-
Media Gateways	MediaPacks, Mediant 1000, Mediant 2000, Mediant 3000

4.2.8 HTTP/HTTPS Access Disabled

HTTP/HTTPS Access Disabled

Textual Description	Originated when HTTP access is disabled by EMS hardening but the EMS manages media gateways that require HTTP access for software upgrade. Originated on server startup.
SNMP OID	acEMSHTTPDisabled - 1.3.6.1.4.1.5003.9.20.3.2.0.16
AlarmTitle	[Event] HTTP/HTTPS Access Disabled
ItuAlarmType	Environmental Alarm
AlarmSource	EMS Server
Probable Cause	Application Subsystem Failure
Severity	Major
Additional Info	-
Corrective Action	Separate the gateways between two EMS Servers (secured & unsecured)
Media Gateways	Gateways using the HTTP server for the software upgrade procedure: MediaPacks, Mediant 1000, Mediant 2000, Mediant 3000

4.2.9 PM File Generated

PM File Generated

Textual Description	Originated when a PM file is generated in the EMS server, and it can be retrieved by a higher level management system.
SNMP OID	acEMSPmFileGenerate - 1.3.6.1.4.1.5003.9.20.3.2.0.18
AlarmTitle	[Event] PM File Generated
ItuAlarmType	Other
AlarmSource	EMS Server
Probable Cause	Other
Severity	Info
Additional Info	The performance summary data from<start polling interval time> to<timeStempFileTo> of media gateway<nodeIPAdd> was saved in PM file <fileName>.
Corrective Action	-
Media Gateways	All Gateways

4.2.10 PM Polling Error

PM Polling Error

Textual Description	Originated when a PM History stops collecting performance summary data from MG. Possible reasons are: NTP synchronization lost, Connection Loss, SW Mismatch, etc..
SNMP OID	acEMSPmHistoryAlarm - 1.3.6.1.4.1.5003.9.20.3.2.0.19
AlarmTitle	[Event] PM Polling Error
ItuAlarmType	Other
AlarmSource	EMS Server
Probable Cause	Other
Severity	Minor
Additional Info	
Corrective Action	Verify in the 'Textual Description' (see above) the reason why the PM history stopped. ▪ When the reason is 'NTP synchronization lost', verify that the gateway and the EMS Server machine are synchronized to the same NTP server and have accurate time definitions. ▪ When the reason is 'Software Mismatch', you can stop the PM history collection until the new version is added to the Software Manager. ▪ When the reason is 'Connection Loss' between the EMS Server and the gateway, polling continues automatically when the connection is re-established; the purpose of the alarm in this case is to inform users of missing samples. Note: The alarm continues to activate every 15 minutes unless you fix the problem or manually stop PM polling of the Gateway.
Media Gateways	All Gateways

4.2.11 Cold Start Missed

Cold Start Missed

Textual Description	Originated when Carrier Grade Alarm System recognizes coldStart trap has been missed.
SNMP OID	acEMSNodeColdStartMissedEvent - 1.3.6.1.4.1.5003.9.20.3.2.0.20
AlarmTitle	[Event] Cold Start Missed
ItuAlarmType	Other
AlarmSource	
Probable Cause	Receive failure
Severity	Clear
Additional Info	
Corrective Action	
Media Gateways	All the managed Gateways

4.2.12 Security Alarm

Security Alarm

Textual Description	Activated when one of more Radius servers are not reachable. When none of the radius servers can be reached, a Critical Severity alarm is generated.
SNMP OID	acEMSSecurityAlarm - 1.3.6.1.4.1.5003.9.20.3.2.0.23
AlarmTitle	Security Alarm
ItuAlarmType	Processing Error Alarm
AlarmSource	EMS Server / Radius <#>
Probable Cause	Other
Severity	Minor, Major, Critical
Additional Info	
Corrective Action	
Media Gateways	

4.2.13 Security Event

Security Event

Textual Description	This event is generated when a specific user is blocked after reaching the maximum number of login attempts, or when the EMS failed to sync EMS and Mediant 5000 / 8000 users.
SNMP OID	acEMSSecurityEvent - 1.3.6.1.4.1.5003.9.20.3.2.0.24
AlarmTitle	[Event] Security Event
ItuAlarmType	Other
AlarmSource	EMS Server / User Name, EMS Sever / User Sync
Probable Cause	Other
Severity	Indeterminate
Additional Info	
Corrective Action	
Media Gateways	

4.2.14 Topology Update Event

Topology Update Event

Textual Description	This event is issued by the EMS when a Gateway or Region is added/removed/updated in the EMS application and includes the following information: ▪ Action: Add / Remove / Update GW or Region ▪ Region Name ▪ GW Name ▪ GW IP Note: For opening an EMS client in the MG context, the gateway IP address should be provided.
SNMP OID	acEMSTopologyUpdateEvent - 1.3.6.1.4.1.5003.9.20.3.2.0.25
Alarm Title	[Event] Topology Update
Alarm Source	EMS Server
Severity	Indeterminate
Alarm Type	Other
Probable Cause	Other

Additional Info	Additional Info 1 field will include following details: Region: X1 'X2' [GW: Y1 'Y2' 'Y3' 'Y4'] X1 = Region ID (unique identifier in the EMS data base used for region identification) X2 = Region name as it defined by EMS operator Y1 = GW ID (unique identifier in the EMS data base used for GW identification) Y2 = GW Name as it defined by EMS operator Y3 = GW IP as it defined by EMS operator Y4 = GW Type as it identified by EMS during the first connection to the GW. If first connection was not successful during the add operation, it will trigger an 'Add GW' event with Unknown GW type, and 'Update GW' event once the initial connection to the GW has been successfull. The following GWs will be supported: MP,M1K, M2K, M3K, M5K, M8K Region details will always be part of the alarm, while GW info will be displayed when event is GW related. All the fields related to the GW will always be displayed to allow easy parsing. Examples: (Description=Add Region) Region: 7 'Test Lab' (Description=Update Region) Region: 7 'My Updated Region' (Description=Add GW) Region: 7 'My Updated Region', GW: 22 'MG14' '1.2.3.4' 'Unknown', PM Polling: disabled (Description=Update GW) Region: 7 'My Updated Region', GW: 22 'My MG 15' '4.5.6.7' 'M3K' (Description=Update GW) Region: 7 'My Updated Region', GW: 22 'My MG 15' '4.5.6.7', PM Polling: enabled (Description=Remove GW) Region: 7 'My Updated Region', GW: 22 'My MG 15' '4.5.6.7' 'M3K', Polling: enabled (Description=Remove Region) Region: 7 'My Updated Region'
Corrective Action	
Media Gateways	

4.2.15 Topology File Event

Topology File Event

Textual Description	This event is issued by the EMS when the Topology File is updated on the EMS Server machine.The Topology file is automatically updated upon the addition /removal of a Media Gateway or upon updates to the Media Gateway properties. For more information, refer to the *OAMP Integration Guide*.
SNMP OID	acEMSTopologyFileEvent- 1.3.6.1.4.1.5003.9.20.3.2.0.26
Alarm Title	[Event] Topology File
Alarm Source	
Severity	Indeterminate
Alarm Type	Other
Probable Cause	Other
Additional Info	File Name: MGsTopologyList.csv
Corrective Action	
Media Gateways	

4.2.16 Synchronizing Alarms Event

Synchronizing Alarms Event

Textual Description	This event is issued when the EMS is not able to retrieve the entire missing alarms list from the History table. Information regarding the number of retrieved alarms, and number of alarms EMS failed to retrieve is provided in the Additional Info field.
SNMP OID	acEMSSyncAlarmEvent - 1.3.6.1.4.1.5003.9.20.3.2.0.27
Alarm Title	[Event] Synchronizing Alarms
Alarm Source	EMS Server
Severity	Indeterminate
Alarm Type	Other
Probable Cause	Other
Additional Info	Retrieved x missed alarms, failed to retrieve y alarms.
Corrective Action	
Media Gateways	

4.2.17 Synchronizing Active Alarms Event

Synchronizing Active Alarms Event

Textual Description	This event is issued when the EMS is not able to perform synchronization with the History alarms table, and instead performs synchronization with the Active Alarms Table.
SNMP OID	acEMSSyncActiveAlarmEvent - 1.3.6.1.4.1.5003.9.20.3.2.0.28
Alarm Title	[Event] Synchronizing Active Alarms
Alarm Source	
Severity	Indeterminate
Alarm Type	Other
Probable Cause	Other
Additional Info	
Corrective Action	
Media Gateways	

4.2.18 License Key Alarm

License Key Alarm

Textual Description	This alarm is raised when one of the following occurs: ▪ EMS Application License is expired. ▪ EMS Application License will be expired within one month. ▪ Gateway management is not covered by the current EMS Application License (the maximum number of EMS licenses for managing this gateway has been exceeded).
SNMP OID	acEMSLicenseKeyAlarm - 1.3.6.1.4.1.5003.9.20.3.2.0.29
Alarm Title	EMS License Key Alarm
Alarm Source	
Severity	Major/Critical
Alarm Type	Other
Probable Cause	keyExpired
Additional Info	
Corrective Action	
Media Gateways	

4.3 Device Alarms

4.3.1 Board Fatal Error

Board Fatal Error

Description	Board fatal error.
SNMP Alarm	acBoardFatalError
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.1
Alarm Title	Board Fatal Error
Alarm Type	Equipment Alarm
Alarm Source	
Probable Cause	Underlying resource unavailable
Severity	Critical
Additional Info1,2,3	NULL
Corrective Action	Capture the Syslog alarm data and send it to Technical Support who will probably instruct you to collect additional data from the device.

4.3.2 Configuration Error

Configuration Error

Description	Configuration error.
SNMP Alarm	acBoardConfigurationError
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.2
Alarm Title	[Event] Configuration Error
Alarm Type	Equipment Alarm
Alarm Source	
Probable Cause	Underlying resource unavailable
Severity	Critical
Additional Info1,2,3	NULL
Corrective Action	Inspect the run-time specific string to determine the nature of the configuration error. Fix the configuration error using the appropriate tool: Web interface, EMS, or *ini* file. Save the configuration and if necessary reset the device.

4.3.3 Temperature Alarm

Temperature Alarm

Description	The temperature alarm is set off when the temperature exceeds 60 degrees Celsius, and ceases when the temperature again falls below 55 degrees Celsius. • Alarm raise - 'The temperature is too high' • Alarm clear - 'The temperature is normal'
SNMP Alarm	acBoardTemperatureAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.3
Alarm Title	Temperature Alarm
Alarm Type	Equipment Alarm
Alarm Source	
Probable Cause	Temperature unacceptable
Severity	Critical
Additional Info1,2,3	NULL
Corrective Action	Inspect the system. Determine if all fans in the system are operating correctly.

4.3.4 Initialization Ended

Initialization Ended

Description	This event is sent when the device is initialized and ready to run.
SNMP Alarm	acBoardEvBoardStarted
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.4
Alarm Title	[Event] Initialization Ended
Alarm Type	Equipment Alarm
Alarm Source	
Probable Cause	Other
Severity	Major
Additional Info1,2,3	NULL

4.3.5 Board Resetting Following Software Reset

Board Resetting Following Software Reset

Description	This alarm indicates that the device has started the reset process- following a software reset.
SNMP Alarm	acBoardEvResettingBoard
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.5
Alarm Title	Board Resetting Following Software Reset
Alarm Type	Other
Alarm Source	
Probable Cause	Other
Severity	Critical
Additional Info1,2,3	'AdditionalInfo1', 'AdditionalInfo2', 'AdditionalInfo3',
Corrective Action	A network administrator has taken action to reset the device. No corrective action is needed.

4.3.6 Feature Key Related Error

Feature Key Related Error

Description	Feature key error
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.6

4.3.7 Gateway Administrative State Changed

Gateway Administrative State Changed

Description	The administrative state of the gateway has been changed to a new state. Note that all state changes are instigated by the parameter acgwAdminState. ▪ Time limit set in the parameter acgwAdminStateLockControl - 'GateWay shutting down. Max time to LOCK %d sec' ▪ No time limit in the parameter acgwAdminStateLockControl - 'GateWay is shutting down. No time limit.' ▪ When reaching lock state - 'GateWay is locked' When the gateway is SET to unlocked - 'GateWay is unlocked (fully active again)'
SNMP Alarm	acgwAdminStateChange
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.7
Alarm Title	Administrative State Change
Alarm Type	Equipment Alarm
Alarm Source	
Probable Cause	Other
Severity	▪ Major ▪ Major ▪ Major ▪ Cleared
Additional Info1,2,3	NULL
Corrective Action	A network administrator has taken an action to lock the device. No corrective action is required.

4.3.8 No Free Channels Available

No Free Channels Available

Description	This alarm indicates that almost no free resources for the call are available. Activated only if the parameter EnableRai is set. The threshold is determined according to parameters RAIHIGHTHRESHOLD and RAILOWTHRESHOLD.
SNMP Alarm	acBoardCallResourcesAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.8
Alarm Title	No Free Channels Available
Alarm Type	Other
Alarm Source	'GWAPP'
Probable Cause	Other
Severity	Major / Clear
Additional Info1,2,3	-

4.3.9 Ethernet Link Down Alarm

Ethernet Link Down Alarm

Description	This alarm indicates that the Ethernet link is down or remote Ethernet link is down and the board has no communication to any other host. ▪ No link at all. ▪ Link is up again. ▪ Primary link is down only - 'Primary Link is lost. Switching to Secondary Link''
SNMP Alarm	acBoardEthernetLinkAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.10
Alarm Title	Ethernet Link Down Alarm
Alarm Type	Equipment Alarm
Alarm Source	
Probable Cause	▪ Input/Output Device Error ▪ Other ▪ Underlying resource unavailable
Severity	▪ Critical ▪ Cleared ▪ Major

Additional Info1,2,3	-
Corrective Action	Ensure that both Ethernet cables are plugged into the back of the system. Inspect the system's Ethernet link lights to determine which interface is failing. Reconnect the cable or fix the network problem.

4.3.10 System Component Overloaded

System Component Overloaded

Description	This alarm is raised when there is an overload in one or more of the system's components.
SNMP Alarm	acBoardOverloadAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.11
Alarm Title	System Component Overloaded
Alarm Type	Other
Alarm Source	'GWAPP'
Probable Cause	Other
Severity	Major / Clear
Additional Info1,2,3	-

4.3.11 Active Alarms Table Overflow

Active Alarms Table Overflow

Description	This alarm is raised when there are too many alarms to fit into the active alarm table. The status stays major until reboot as it denotes a possible loss of information until the next reboot. If an alarm was raised when the table was full, it is possible that the alarm is active, but does not appear in the active alarm table.
SNMP Alarm	acActiveAlarmTableOverflow
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.12
Alarm Title	[Event] Active Alarm Table Overflow
Alarm Type	Processing Error Alarm
Alarm Source	MG
Probable Cause	resourceAtOrNearingCapacity (43)
Severity	Major
Additional Info1,2,3	-

Corrective Action	Some alarm information may have been lost, but the ability of the device to perform its basic operations has not been impacted. A reboot is the only way to completely clear a problem with the active alarm table. Contact your first-level group.

4.3.12 Operational State Change

Operational State Change

Description	This alarm is raised if the operational state of the node goes to disabled. The alarm is cleared when the operational state of the node goes to enabled.
SNMP Alarm	acOperationalStateChange
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.15
Alarm Title	Operational State Change
Alarm Source	
Alarm Type	processingErrorAlarm
Probable Cause	outOfService
Severity	Major on raise, Clear on clear
Additional Info	
Corrective Action	-

4.3.13 Keep Alive Trap

Keep Alive Trap

Description	This trap is sent when the STUN client in the board is enabled and has either identified a NAT or is cannot find the STUN server. The ini file contains the following line: 'SendKeepAliveTrap=1' Keep-alive is sent out every x second.x =0. 9 of the time defined in the NatBindingDefaultTimeout parameter.
SNMP Alarm	acKeepAlive
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.16
Alarm Title	[Event] Keep Alive Trap
Alarm Source	
Alarm Type	other
Probable Cause	other
Severity	Indeterminate
Additional Info	
Corrective Action	-

4.3.14 NAT Traversal Alarm

NAT Traversal Alarm

Description	This alarm is raised when the STUN client in the board is enabled and has either identified a NAT or cannot find the STUN server. The **ini** file contains the following line: 'SendKeepAliveTrap=1' Keep-alive is sent out every 9/10 of the time defined in the NatBindingDefaultTimeout parameter.
SNMP Alarm	acNATTraversalAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.17
Alarm Title	NAT Traversal Alarm
Alarm Type	other (0)
Alarm Source	MG
Probable Cause	other (0)
Severity	Indeterminate
Additional Info1,2,3	-
Corrective Action	-

4.3.15 SS7 Link State Change Alarm

SS7 is not supported in this release.

SS7 Link State Change Alarm

Description	Operational state of the link becomes 'IN-SERVICE' or 'OFFLINE'. *** SS7 *** Link %i is %s $s %i - <Link number> %s - <state name>: { 'OFFLINE', 'BUSY', 'INSERVICE'} %s - IF link has MTP3 layer, then this string equals: (SP %i linkset %i slc %i) Where: %i - <SP number> %i - <Link-Set number> %i - <SLC number> Otherwise there is NO additional text.
SNMP Alarm	acSS7LinkStateChangeAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.19

Alarm Title	SS7 Link State Change Alarm
Alarm Type	communicationsAlarm
Alarm Source	SS7/Link#
Probable Cause	other
Severity	Major, Clear
Additional Info1,2,3	-
Corrective Action	For full details, refer to the equipment documentation and the standards relevant to SS7 MTP3.

4.3.16 SS7 Link Inhibit State Change Alarm

SS7 is not supported in this release.

SS7 Link Inhibit State Change Alarm

Description	This alarm is raised for any change in the remote or local inhibition status. *** SS7 *** Link %i (SP %i linkset %i slc %i) is %s %i - <Link number> %i - <SP number> %i - <Link-Set number> %i - <SLC number> %s - <congestion state>: { 'UNINHIBITED', 'INHIBITED' }
SNMP Alarm	acSS7LinkInhibitStateChangeAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.20
Alarm Title	SS7 Link Inhibit State Change Alarm
Alarm Type	communicationsAlarm
Probable Cause	other
Alarm Source	SS7/Link#
Severity	Major, Clear
Additional Info1,2,3	-
Corrective Action	Make sure the link is uninhibited - on both local and remote sides

4.3.17 SS7 Link Congestion State Change Alarm

SS7 is not supported in this release.

SS7 Link Congestion State Change Alarm

Description	This alarm is raised for any change in the remote or local congestion status. Raise alarm is generated when status is CONGESTED, and clear alarm is generated when status is UNCONGESTED (local or remote). *** SS7 *** Link %i is %s %s. %i - <Link number> %s - IF link has MTP3 layer, then this string equals: (SP %i linkset %i slc %i) Where: %i - <SP number> %i - <Link-Set number> %i - <SLC number> Otherwise there is NO additional text. %s - <congestion state>: { 'UNCONGESTED', 'CONGESTED' }
SNMP Alarm	acSS7LinkCongestionStateChangeAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.22
Alarm Title	SS7 Link Congestion State Change Alarm
Alarm Type	communicationsAlarm
Alarm Source	-
Probable Cause	Other
Severity	Major, Clear
Additional Info1,2,3	-
Corrective Action	Reduce SS7 traffic on that link.

4.3.18 SS7 Linkset State Change Alarm

SS7 is not supported in this release.

SS7 Linkset State Change Alarm

Description	Alarm is sent when Route Set operational state is changed. Alarm is raised when status is BUSY, and cleared when status is OFFLINE, or INSERVICE. *** SS7 *** Linkset %i on SP %i is <'OFFLINE', 'BUSY', 'INSERVICE'>
SNMP Alarm	acSS7LinkSetStateChangeAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.23
Alarm Title	SS7 LinkSet State Change Alarm
Alarm Type	communicationsAlarm
Alarm Source	SS7/SP#/Linset#
Probable Cause	Other
Severity	Major, Clear
Additional Info1,2,3	-
Corrective Action	For full details, refer to the equipment documentation and the standards relevant to SS7 MTP3.

4.3.19 SS7 Routeset State Change Alarm

SS7 is not supported in this release.

SS7 Routeset State Change Alarm

Description	Alarm is sent when Route Set operational state is changed. Alarm is raised when status is BUSY, and cleared when status is OFFLINE, or INSERVICE. *** SS7 *** Routeset %i on SP %i is <'OFFLINE', 'BUSY', 'INSERVICE'>
SNMP Alarm	acSS7RouteSetStateChangeAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.24
Alarm Title	SS7 Route Set State Change Alarm
Alarm Type	communicationsAlarm
Alarm Source	SS7/SP#/RouteSet#
Probable Cause	Other
Severity	Major, Clear
Additional Info1,2,3	-
Corrective Action	For full details, refer to the equipment documentation and the standards relevant to SS7 MTP3.

4.3.20 SS7 Node State Change Alarm

SS7 is not supported in this release.

SS7 Node State Change Alarm

Description	SS7 SN Set State Change Alarm. Alarm is raised when status is BUSY, and cleared when status is OFFLINE, or INSERVICE. *** SS7 *** SP # i is < 'BUSY','OFFLINE', 'INSERVICE'>
SNMP Alarm	acSS7SNSetStateChangeAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.25
Alarm Title	SS7 Node State Change Alarm
Alarm Type	communicationsAlarm
Alarm Source	SS7/SP#
Probable Cause	other
Severity	Major on raise condition, Clear
Additional Info1,2,3	-
Corrective Action	Signaling Node must complete its MTP3 restart procedure and become un-isolated

4.3.21 Threshold of Performance Monitored Object Exceeded

Threshold of Performance Monitored Object Exceeded

Description	This alarm is raised when a performance counter has crossed the high / low threshold. 'Performance: Threshold alarm was set', with source = name of the performance counter which caused the trap.
SNMP Alarm	acPerformanceMonitoringThresholdCrossing
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.27
Alarm Title	Threshold of Performance Monitored Object Exceeded
Alarm Type	Other
Alarm Source	MO Path
Probable Cause	Other
Severity	Indeterminate (this is a notification; it's not automatically cleared)
Additional Info1,2,3	-
Corrective Action	-

4.3.22 HTTP Download Result

HTTP Download Result

Description	This is a log message (not alarm) indicating both sucessfull or failed HTTP Download result.
SNMP Alarm	acHTTPDownloadResult
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.28
Alarm Title	[Event] HTTP Download Result
Alarm Source	
Alarm Type	processingErrorAlarm (3) for failures and other (0) for success
Probable Cause	Other
Severity	Indeterminate
Additional Info	-
Corrective Action	-

4.3.23 Fan Tray Alarm

Fan Tray Alarm

Description	This alarm is activated in one of the following cases: ▪ Fan-Tray is missing ▪ One or more fans in the fan-tray is faulty. ▪ Fan tray is in place and fans are functioning.
SNMP Alarm	acFanTrayAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.29
Alarm Title	Fan Tray Alarm
Alarm Source	Chassis#0/FanTray#0
Alarm Type	Equipment Alarm
Alarm Source	
Probable Cause	heatingVentCoolingSystemProblem
Severity	▪ Critical ▪ Major ▪ Clear
Additional Info	-
Corrective Action	-

4.3.24 Power Supply Alarm

Power Supply Alarm

Description	This alarm is activated in one of the following cases: ▪ The HA (High Availability) feature is active and one of the power supply units is faulty or missing. ▪ PS unit is inserted in its location and functioning.
SNMP Alarm	acPowerSupplyAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.30
Alarm Title	Power Supply Alarm
Alarm Source	Chassis#0/PowerSupply#<m> where m is the power supply's slot number
Alarm Type	Equipment Alarm
Probable Cause	Power problem
Severity	▪ Major ▪ Clear
Additional Info	-
Corrective Action	-

4.3.25 PEM Module Alarm

PEM Module Alarm

Description	This alarm is activated in one of the following cases: ▪ The HA (High Availability) feature is active and one of the PEM (Power Entry Module) units is missing ▪ PEM card is in its location and both DC wires are in.
SNMP Alarm	acPEMAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.31
Alarm Title	PEM Module Alarm
Alarm Source	Chassis#0/PemCard#<m> where m is the power entry module's slot number
Alarm Type	equipmentAlarm
Probable Cause	underlyingResourceUnavailable
Severity	Critical Clear
Additional Info	-
Corrective Action	-

4.3.26 SA Module Missing Alarm

SA Module Missing Alarm

Description	Activated when the SA module removed or missing.
SNMP Alarm	acSAMissingAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.32
Alarm Title	SA Module Missing Alarm
Alarm Source	Chassis#0/SA#<m> where m is the Shelf Alarm module's slot number
Alarm Type	Equipment Alarm
Probable Cause	Underlying resource unavailable
Severity	Critical on raise, Clear on clear.
Additional Info	-
Corrective Action	-

4.3.27 HA System Fault Alarm

This alarm applies only to the Mediant 3000 HA.

HA System Fault Alarm

Description	This alarm originates when: ▪ HA feature is active but the system is NOT working in HA mode. Reason is specified (for example: SW WD exception error, HW WD exception error, SAT device is missing, SAT device error, DSP error, BIT tests error, etc). ▪ HA feature is active and the redundant module is in start up mode but hasn't connected yet ▪ HA system is active
SNMP Alarm	acHASystemFaultAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.33
Alarm Title	HA System Fault Alarm
Alarm Source	System#0/Module#<m> where m is the 6310 module's slot number
Alarm Type	Quality Of Service Alarm
Probable Cause	Out of service
Severity	▪ Critical ▪ Minor ▪ Clear
Additional Info	-
Corrective Action	-

4.3.28 HA System Configuration Mismatch Alarm

This alarm applies only to the Mediant 3000.

HA System Configuration Mismatch Alarm

Description	HA feature is active. The active module was unable to transfer the License Key to the redundant module.
SNMP Alarm	acHASystemConfigMismatchAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.34
Alarm Title	HA System Configuration Mismatch Alarm
Alarm Source	System#0/Module#<m> where m is the TPM-6310's slot number
Alarm Type	Processing Error Alarm
Probable Cause	Configuration or customization error
Severity	Major on raise, Clear on clear
Additional Info	-
Corrective Action	-

4.3.29 HA System Switch Over Alarm

This alarm applies only to the Mediant 3000.

HA System Switch Over Alarm

Description	Switch-over has occurred.
SNMP Alarm	acHASystemSwitchOverAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.35
Alarm Title	HA System Switch Over Alarm
Alarm Source	System#0/Module#<m> where m is the 6310 module's slot number
Alarm Type	Quality Of Service Alarm
Probable Cause	Out of service
Severity	Critical on raise, Clear on clear
Additional Info	-
Corrective Action	-

4.3.30 User Input Alarm

User Input Alarm

Description	Input dry contact is short circuited / reopened.
SNMP Alarm	acUserInputAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.36
Alarm Title	User Input Alarm
Alarm Source	Chassis#0
Alarm Type	Equipment Alarm
Probable Cause	Input Device Error
Severity	Critical on raise, Clear on clear.
Additional Info	-
Corrective Action	-

4.3.31 D-Channel Status

D-Channel Status

Description	This alarm indicates that the D-Channel is un-established or established.
SNMP Alarm	acDChannelStatus
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.37
Alarm Title	D-Channel Status
Alarm Source	Trunk no.<m> where m is the trunk number (from 0 up).
Alarm Type	Communications Alarm
Probable Cause	Communications Protocol Error
Severity	Minor on raise, Clear on clear
Additional Info	-
Corrective Action	-

4.3.32 SONET Section LOF Alarm

This alarm applies only to the Mediant 3000.

.

SONET Section LOF Alarm

Description	This alarm indicates that a LOF condition is present on SONET no#m. The field 'sonetSectionCurrentStatus' in the sonetSectionCurrentTable will have a value of sonetSectionLOF (4).
SNMP Alarm	acSonetSectionLOFAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.38
Alarm Title	SONET Section LOF Alarm
Alarm Source	Interfaces#0/Sonet#<m> where m is the SONET I/F number
Alarm Type	Communications Alarm
Probable Cause	Loss of frame
Severity	Critical on raise, Clear on clear
Additional Info	-
Corrective Action	-

4.3.33 SONET Section LOS Alarm

This alarm applies only to the Mediant 3000.

SONET Section LOS Alarm

Description	This alarm indicates that LOS or AIS condition is present on SONET no #m. The field 'sonetSectionCurrentStatus' in the sonetSectionCurrentTable will have a value of sonetSectionLOS (2).
SNMP Alarm	acSonetSectionLOSAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.39
Alarm Title	SONET Section LOS Alarm
Alarm Source	Interfaces#0/Sonet#<m> where m is the SONET I/F number
Alarm Type	Communications Alarm
Probable Cause	Loss of signal
Severity	Critical on raise, Clear on clear
Additional Info	-
Corrective Action	-

4.3.34 SONET Line AIS Alarm

This alarm applies only to the Mediant 3000.

SONET Line AIS Alarm

Description	This alarm indicates that an AIS condition is present on SONET-Line #m. The field 'sonetLineCurrentStatus' in the sonetLineCurrentTable will have a value of sonetLineAIS (2).
SNMP Alarm	acSonetLineAISAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.40
Alarm Title	SONET Line AIS Alarm
Alarm Source	Interfaces#0/Sonet#<m> where m is the SONET I/F number
Alarm Type	Communications Alarm
Probable Cause	Receive Failure
Severity	Critical on raise, Clear on clear
Additional Info	-
Corrective Action	-

4.3.35 SONET Line RDI Alarm

This alarm applies only to the Mediant 3000.

SONET Line RDI Alarm

Description	This alarm indicates that RDI condition is present on SONET-Line no#m. The field 'sonetLineCurrentStatus' in the sonetLineCurrentTable will have a value of sonetLineRDI (4).
SNMP Alarm	acSonetLineRDIAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.41
Alarm Title	SONET Line RDI Alarm
Alarm Source	Interfaces#0/Sonet#<m> where m is the SONET I/F number
Alarm Type	Communications Alarm
Probable Cause	Transmit failure
Severity	Critical on raise, Clear on clear
Additional Info	-
Corrective Action	-

4.3.36 SONET/SDN IF Failure Alarm

This alarm applies only to the Mediant 3000.

SONET/SDN IF Failure Alarm

Description	This alarm indicates a HW failure on SONET-Line no#m
SNMP Alarm	acSonetIfHwFailureAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.42
Alarm Title	SONET/SDH IF Failure Alarm
Alarm Source	Interfaces#0/Sonet#<m> where m is the SONET I/F number
Alarm Type	Communications Alarm
Probable Cause	Transmit failure
Severity	Critical on raise, Clear on clear
Additional Info	
Corrective Action	-

4.3.37 H.248 Lost Connection with CA

This alarm applies to digital gateways running MEGACO control protocol.

H.248 Lost Connection with CA

Description	This alarm indicates an MG loss communication with one of the provisioned Call Agents (MGC - Media Gateway Controller). Alarm message include call Agent IP Address.
SNMP Alarm	acH248LostConnectionWithCA
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.44
Alarm Title	H248 Lost Connection with CA
Alarm Source	
Alarm Type	Communication Alarm
Probable Cause	Out Of Service
Severity	Major on raise, Clear on clear
Additional Info	
Corrective Action	-

4.3.38 Hitless Update Event

This alarm applies only to the Mediant 3000.

Hitless Update Event

Description	A Notification trap that is sent out at the beginning and the end of a Hitless SW update. Failure during the process will also instigate the trap. May include the following information: Hitless: start SW upgrade. Hitless: Stream read error, aborting CMP file processing. Hitless: Invalid cmp file - missing Ver parameter. Hitless fail: Hitless sw upgrade is not supported under version 5.2. Hitless fail: SW ver stream name too long. Hitless fail: Invalid cmp file - missing UPG parameter. Hitless fail: Hitless SW upgrade not supported. Hitless fail: Communication with redundant module failed. Hitless: SW upgrade ended successfully.
SNMP Alarm	acHitlessUpdateStatus
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.48
Alarm Title	Hitless Update Event
Alarm Source	Automatic Update
Alarm Type	other
Probable Cause	other
Severity	Indeterminate
Additional Info	
Corrective Action	

4.3.39 Trunk LOS Alarm

This alarm applies to Digital Gateways with E1/T1Trunks.

Trunk LOS Alarm

Description	This alarm indicates a loss of signal at the trunk's near end.
SNMP Alarm	acTrunksAlarmNearEndLOS
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.49
Alarm Title	Trunk LOS Alarm
Alarm Source	Port#<n> where n is the digital trunk number
Alarm Type	communicationsAlarm
Probable Cause	lossOfSignal
Severity	Critical
Additional Info	
Corrective Action	Check trunk's connectivity

4.3.40 Trunk LOF Alarm

This alarm applies to Digital Gateways with E1/T1Trunks.

Trunk LOF Alarm

Description	This alarm indicates a loss of frame at the trunk's near end.
SNMP Alarm	acTrunksAlarmNearEndLOF
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.50
Alarm Title	Trunk LOF Alarm
Alarm Source	Port#<n> where n is the digital trunk number
Alarm Type	communicationsAlarm
Probable Cause	lossOfFrame
Severity	Critical
Additional Info	
Corrective Action	Check trunk's connectivity

4.3.41 Trunk AIS Alarm

This alarm applies to Digital Gateways with E1/T1Trunks.

Trunk AIS Alarm

Description	This alarm indicates that a AIS has been received from trunk's far end.
SNMP Alarm	acTrunksAlarmRcvAIS
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.51
Alarm Title	Trunk AIS Alarm
Alarm Source	Port#<n> where n is the digital trunk number
Alarm Type	communicationsAlarm
Probable Cause	receiveFailure
Severity	Critical
Additional Info	
Corrective Action	Check trunk's connectivity

4.3.42 Trunk RAI Alarm

This alarm applies to Digital Gateways with E1/T1Trunks.

Trunk RAI Alarm

Description	This alarm indicates a loss of frame at the trunk's far end
SNMP Alarm	acTrunksAlarmFarEndLOF
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.52
Alarm Title	Trunk RAI Alarm
Alarm Source	Port#<n> where n is the digital trunk number
Alarm Type	communicationsAlarm
Probable Cause	transmitFailure
Severity	Critical
Additional Info	
Corrective Action	Check trunk's connectivity

4.3.43 TM Inconsistency

This alarm applies only to the Mediant 3000.

TM Inconsistency

Description	Timing Manager Alarm. This alarm is triggered when the system is in a 1+1 status and the redundant board PLL status is different to the active board PLL status.
SNMP Alarm	acTMInconsistentRemoteAndLocalPLLStatus
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.56
Alarm Title	TM Inconsistency
Alarm Source	
Alarm Type	equipmentAlarm
Probable Cause	underlyingResourceUnavailable
Severity	Major, Clear
Additional Info	Status stays major until reboot. A clear trap is not sent.
Corrective Action	Synchronize the timing module.

4.3.44 TM Reference Status

This alarm applies only to the Mediant 3000 using the BITs Synchronization Timing mode.

TM Reference Status

Description	Timing Manager Alarm. This alarm is triggered when either the primary or secondary BITs reference or both BITs references are not responding.
SNMP Alarm	acTMReferenceStatus
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.57
Alarm Title	TM Reference Status
Alarm Source	
Alarm Type	equipmentAlarm
Probable Cause	underlyingResourceUnavailable
Severity	Major, Critical, Clear
Additional Info	When the primary and secondary BITs clock references do not respond in more than 24 hours, an alarm will be escalated to critical. The status of this alarms stays major until reboot. A clear trap is not sent.
Corrective Action	Synchronize the timing module.

4.3.45 TM Reference Change

This alarm applies only to the Mediant 3000.

TM Reference Change

Description	The Timing Manager sends a log message upon PLL Status change.
SNMP Alarm	acTMReferenceChange
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.58
Alarm Title	[Event] TM Reference Change
Alarm Source	
Alarm Type	Other
Probable Cause	Other
Severity	indeterminate
Additional Info	
Corrective Action	

4.3.46 IPv6

IPv6 Alarm

Description	This alarm indicates when an IPv6 address already exists or an IPv6 configuration failure has occurred. The description generated is "IP interface alarm. IPv6 Configuration failed, IPv6 will be disabled".
SNMP Alarm	acIPv6ErrorAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.53
Alarm Title	IPv6 Error
Alarm Source	system#<n>\ ipInterface#<n>
Alarm Type	operationalViolation
Probable Cause	communicationsProtocolError
Severity	Critical
Additional Info	Status stays critical until reboot. A clear trap is not sent.
Corrective Action	▪ Find a new IPV6 address and reboot.

4.3.47 SONET Path STS LOP Alarm

This alarm applies only to Mediant 3000 TP-6310.

SONET Path STS LOP Alarm

Description	This alarm is issued when the LOP condition is present on the SONET Path #m.
SNMP Alarm	**acSonetPathSTSLOPAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.61
Alarm Title	SONET Path STS LOP Alarm
Alarm Source	Interfaces#0/Path#<m>
Alarm Type	communicationsAlarm
Probable Cause	receiveFailure
Severity	Critical / clear
Additional Info	
Corrective Action	Correct the SONET mapping on either side (the Gateway and the far end).

4.3.48 SONET Path STS AIS Alarm

This alarm applies only to Mediant 3000 TP-6310.

SONET Path STS AIS Alarm

Description	This alarm is issued when the AIS condition is present on the SONET Path #m.
SNMP Alarm	**acSonetPathSTSAISAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.62
Alarm Title	SONET Path STS AIS Alarm
Alarm Source	Interfaces#0/Path#<m>
Alarm Type	communicationsAlarm
Probable Cause	receiveFailure
Severity	Critical / clear
Additional Info	
Corrective Action	Check the following and correct according to the appropriate reason: There is higher level failure: LOS, LOF, AIS-L A Path Trace Identifier mismatch occurred • Path is unequipped on the Far-End

4.3.49 SONET Path STS RDI Alarm

This alarm applies only to Mediant 3000 TP-6310.

SONET Path STS RDI Alarm

Description	This alarm is issued when the RDI condition is present on the SONET Path #m.
SNMP Alarm	**acSonetPathSTSRDIAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.63
Alarm Title	SONET Path STS RDI Alarm
Alarm Source	Interfaces#0/Path#<m>
Alarm Type	communicationsAlarm
Probable Cause	transmitFailure
Severity	Critical / Cleared
Additional Info	
Corrective Action	This indication only reflects a failure detected on the far-end. Check the following and correct on the far-end according to the appropriate reason: LOS, LOF, AIS-L, AIS-P

4.3.50 SONET Path Unequipped Alarm

This alarm applies only to Mediant 3000 TP-6310.

SONET Path Unequipped Alarm

Description	This alarm is issued when the Unequipped condition is present on the SONET Path #m.
SNMP Alarm	**acSonetPathUnequippedAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.64
Alarm Title	SONET Path Unequipped Alarm
Alarm Source	Interfaces#0/Path#<m>
Alarm Type	communicationsAlarm
Probable Cause	receiveFailure
Severity	Critical / clear
Additional Info	
Corrective Action	Equip the path on the far-end

4.3.51 SONET Path Signal Label Alarm

This alarm applies only to Mediant 3000 TP-6310.

SONET Path Signal Label Alarm

Description	This alarm is issued when the Signal Label condition is present on the SONET Path #m.
SNMP Alarm	**acSonetPathSignalLabelMismatchAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.65
Alarm Title	SONET Path Signal Label Alarm
Alarm Source	Interfaces#0/Path#<m>
Alarm Type	communicationsAlarm
Probable Cause	receiveFailure
Severity	Critical / clear
Additional Info	
Corrective Action	Set the transmit path signal label on the far-end to either "VT Structured STS1 SPE" (02) or "Asynchronous Mapping DS3" (04).

4.3.52 DS3 RAI Alarm

This alarm applies only to Mediant 3000 TP-6310.

DS3 RAI Alarm

Description	This alarm is issued when the RAI condition is present on the DS3 Interface #m.
SNMP Alarm	**acDS3RAIAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.66
Alarm Title	DS3 RAI Alarm
Alarm Source	Interfaces#0/DS3#<m>
Alarm Type	communicationsAlarm
Probable Cause	transmitFailure
Severity	Critical / Cleared
Additional Info	
Corrective Action	This indication only reflects a failure detected on the far-end. Check the following and correct on the far-end according to the appropriate reason: LOS, LOF, AIS-L, AIS-P, DS3 LOS, DS3 LOF, DS3 AIS

4.3.53 DS3 AIS Alarm

This alarm applies only to Mediant 3000 TP-6310.

DS3 AIS Alarm

Description	This alarm is issued when the AIS condition is present on the DS3 Interface #m.
SNMP Alarm	**acDS3AISAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.67
Alarm Title	DS3 AIS Alarm
Alarm Source	Interfaces#0/DS3#<m>
Alarm Type	communicationsAlarm
Probable Cause	receiveFailure
Severity	Critical / Cleared
Additional Info	
Corrective Action	Check the following and correct according to the appropriate reason: There is a SONET level failure: LOS, LOF, AIS-L, AIS-P, UNEQ-P, TIM-P The far-end (e.g., MUX) sends a DS3 AIS

4.3.54 DS3 LOF Alarm

This alarm applies only to Mediant 3000 TP-6310.

DS3 LOF Alarm

Description	This alarm is issued when the LOF condition is present on the DS3 Interface #m.
SNMP Alarm	**acDS3LOFAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.68
Alarm Title	DS3 LOF Alarm
Alarm Source	Interfaces#0/DS3#<m>
Alarm Type	communicationsAlarm
Probable Cause	receiveFailure
Severity	Critical / Cleared
Additional Info	
Corrective Action	Check and correct the DS3 framing

4.3.55 DS3 LOS Alarm

This alarm applies only to Mediant 3000 TP-6310.

DS3 LOS Alarm

Description	This alarm is issued when the LOF condition is present on the DS3 Interface #m.
SNMP Alarm	**acDS3LOSAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.69
Alarm Title	DS3 LOS Alarm
Alarm Source	Interfaces#0/DS3#<m>
Alarm Type	communicationsAlarm
Probable Cause	lossOfFrame
Severity	Critical / Cleared
Additional Info	
Corrective Action	Check the cable connections or cable length

4.3.56 Software Upgrade Alarm

This alarm applies only to Mediant 3000 HA system.

Software Upgrade Alarm

Description	This alarm is generated when the Software upgrade failure occurs.
SNMP Alarm	**acSWUpgradeAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.70
Alarm Title	Software Upgrade Alarm
Alarm Source	System#0
Alarm Type	processingErrorAlarm
Probable Cause	softwareProgramError
Severity	Major
Additional Info	
Corrective Action	Start up system from BootP/TFTP.

4.3.57 NTP Server Status Alarm

NTP Server Status Alarm

Description	This alarm issues when there is no initial communication with NTP server (major severity) or when previously existing connection is lost (minor severity).
SNMP Alarm	**acNTPServerStatusAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.71
Alarm Title	NTP Server Status Alarm
Alarm Source	
Alarm Type	communicationsAlarm
Probable Cause	communicationsSubsystemFailure
Severity	Major / Minor / Clear
Additional Info	
Corrective Action	Check the NTP Server configuration parameters and / or fix communication with NTP Server.

4.3.58 SS7 Alias PC State Change Alarm

SS7 is not supported in this release.

SS7 Alias PC State Change Alarm

Description	This alarm is raised when the Alias PC is in BUSY state and is cleared when it is in in-SERVICE state.
SNMP Alarm	**acSS7AliasPcStateChangeAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.73
Alarm Title	SS7 Alias PC State Change Alarm
Alarm Source	
Alarm Type	communicationsAlarm
Probable Cause	other
Severity	Major / Clear
Additional Info	
Corrective Action	

4.3.59 SS7 UAL Group State Change Alarm

SS7 is not supported in this release.

SS7 UAL Group State Change Alarm

Description	This alarm is raised when the UAL Group ASP state is not ACTIVE and is cleared when it is Active.
SNMP Alarm	**acSS7UalGroupStateChangeAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.74
Alarm Title	SS7 Ual Group State Change Alarm
Alarm Source	
Alarm Type	communicationsAlarm
Probable Cause	other
Severity	Major / Clear
Additional Info	
Corrective Action	

4.3.60 [Event] SSH Connection Status

[Event] SSH Connection Status

Description	This trap indicates the result of a recent SSH connection attempt.
SNMP Alarm	**acSSHConnectionStatus**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.77
Alarm Title	[Event] SSH Connection Status
Alarm Source	
Alarm Type	environmentalAlarm
Probable Cause	unauthorizedAccessAttempt/other
Severity	Indeterminate
Additional Info	
Corrective Action	

4.3.61 OCSP Server Status Alarm

OCSP Server Status Alarm

Description	This alarm is raised when the OCSP connection is not available.
SNMP Alarm	**acOCSPServerStatusAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.78
Alarm Title	OCSP server alarm.
Alarm Type	communicationsAlarm
Probable Cause	communicationsSubsystemFailure
Severity	Major / Clear
Additional Info	
Corrective Action	

4.3.62 Media Process Overload Alarm

Media Process Overload Alarm

Description	This alarm is raised when media process overloads, and is cleared when the load returns to normal.
SNMP Alarm	**acMediaProcessOverloadAlarm**
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.81
Alarm Title	Media Process Overload Alarm
Alarm Source	Board#x or System#x
Alarm Type	processingErrorAlarm
Probable Cause	resourceAtOrNearingCapacity
Severity	Major / Clear
Additional Info	
Corrective Action	

4.3.63 NFAS Group Alarm

NFAS Group Alarm

Description	This alarm is raised when an NFAS group goes Out-Of-Service and is cleared when an NFAS Group is back In-Service.
SNMP Alarm	acNFASGroupAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.84
Alarm Title	NFAS Group Alarm.
Alarm Source	Board#%d/NFASGroup#%d
Alarm Type	communicationsAlarm
Probable Cause	degradedSignal
Severity	major
Additional Info	
Corrective Action	

4.3.64 B Channel Alarm

B Channel Alarm

Description	This alarm is raised when a B-Channel service state changes and is cleared when a B-Channel is back in service.
SNMP Alarm	acBChannelAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.85
Alarm Title	B-Channel Alarm.
Alarm Source	Interface#%d/trunk#%d/BChannel#%d
Alarm Type	communicationsAlarm
Probable Cause	degradedSignal
Severity	minor
Additional Info	
Corrective Action	

4.3.65 Certificate Expiry Notification

Certificate Expiry Notification

Description	This alarm is sent before the expiration of the installed credentials, which cannot be renewed automatically (the credentials should be updated manually).
SNMP Alarm	acCertificateExpiryNotification
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.92
Alarm Title	
Alarm Source	
Alarm Type	environmentalAlarm
Probable Cause	keyExpired
Severity	indeterminate
Additional Info	
Corrective Action	

4.3.66 Web User Access Disabled

WEB User Access Disabled

Description	This alarm is sent when the Web user has been disabled due to inactivity.
SNMP Alarm	acWEBUserAccessDisabled
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.93
Alarm Title	
Alarm Source	
Alarm Type	other
Probable Cause	denialOfService
Severity	indeterminate
Additional Info	
Corrective Action	

EMS for AudioCodes Media Gateways and Servers

EMS Element Management System

OAM Guide for the Mediant 3000 with TP-6310

AudioCodes

www.audiocodes.com