Alarms Monitoring Guide

AudioCodes One Voice Operations Center (OVOC)

OVOC

Alarms

Version 8.2





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Document Name
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One Voice Operations Center IOM Manual
One Voice Operations Center Product Description
One Voice Operations Center User's Manual

Device Manager Pro Administrator's Manual

One Voice Operations Center Alarms Monitoring Guide

One Voice Operations Center Performance Monitoring Guide

One Voice Operations Center Security Guidelines

One Voice Operations Center Integration with Northbound Interfaces

Device Manager for Third-Party Vendor Products Administrator's Manual

Device Manager Agent Installation and Configuration Guide

Device Manager Deployment Guide

Device Manager Pro Administrator's Manual

ARM User's Manual

Documents for Managed Devices

Mediant 500 MSBR User's Manual

Mediant 500L MSBR User's Manual

Mediant 500Li MSBR User's Manual

Mediant 500L Gateway and E-SBC User's Manual

Mediant 800B Gateway and E-SBC User's Manual

Mediant 800 MSBR User's Manual

Mediant 1000B Gateway and E-SBC User's Manual

Mediant 1000B MSBR User's Manual

Mediant 2600 E-SBC User's Manual

Mediant 3000 User's Manual

Mediant 4000 SBC User's Manual

Mediant 9000 SBC User's Manual

Mediant Software SBC User's Manual

Document Name
Microsoft Teams Direct Routing SBA Installation and Maintenance Manual
Mediant 800B/1000B/2600B SBA for Skype for Business Installation and Maintenance Manual
Fax Server and Auto Attendant IVR Administrator's Guide
Voca Administrator's Guide
VoiceAl Connect Installation and Configuration Manual

Document Revision Record

LTRT	Description
41810	 Updates for Version 8.2 and Version 8.2.1000: Added OVOC alarm Table Partition Management Error Event. Added IP Phone alarm: IPP Server SSL Certificate Could Not Be Proven Added Vocanom System and Agent alarms. Added SBC alarms: No Reply From DNS Server Alarm; Weak Password alarm Update to Meeting Insights alarm Call Recording Error Event
41811	 Update to the UMP User License Threshold alarm. Added new IPP alarms: Device Fails to Get Certificate and Device Acquired a New Certificate Event Added new SBC alarms: VMMaintenaceAlarm; TLS Sockets Limit Alarm Added Alarm – Zoom Connectivity Failure alarm
41812	 ■ Added: Metering Login alarm; Metering Report alarm; Metering Report event ■ Added Zoom alarms: ✓ Database Connectivity Failed ✓ Alarm - App Service Configuration failure ✓ Event – Ovoc Action failed ✓ Event – Ovoc Life Cycle ✓ Event – Zoom Authentication Failure

LTRT	Description Added: Device Manager alarm Teams Pairing Required.	

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1 Introduction

This document describes alarms that are raised on OVOC and its managed entities. These alarms are displayed in the One Voice Operations Center Web interface Active Alarms table. Supported alarms / events can fall into one of these three 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.
- OVOC alarms / events: traps originated by OVOC application and defined in the OVOC proprietary MIB.

To determine 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 in the OVOC Active Alarms table and Alarms History windows.

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

Alarm Field	Description
Alarm Title (Name)	The alarm name, as it appears in the OVOC Active Alarms and History tables.
Description	Documented description of the alarm.
SNMP Trap Name	NOTIFICATION-TYPE Name as it appears in the MIB.
SNMP OID	NOTIFICATION-TYPE OID as it appears in the MIB. Corrective Action Possible corrective action when applicable 1
Alarm Source	Possible values of sources if applicable to a specific alarm. This value is displayed from the variable-binding tgTrapGlobalsSource
Alarm Type	Alarm type according to ITU X.733 definition. This value is displayed from the variable-binding tgTrapGlobalsType.
Probable Cause	Alarm probable cause according to ITU X.733 definition. This value is displayed from the variable-binding tgTrapGlobalsProbableCause.
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.

Alarm Field		Description	
Alarm Severity	Condition	Text	Corrective Action
Possible severity value . This value is displayed from the variable- binding tgTrapGlobalsSeverity.	Condition upon which the alarm is raised for the specific severity. There may be several conditions for each severity.	Textual description of specific problem. This value is displayed from the variablebinding tgTrapGlobalsTextualDescription. The document includes a few examples of the possible values of this field.	Possible corrective action when applicable.

2 Standard Events

This section describes the Standard Events.

Cold Start

Alarm Field	Description
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 Source	-
Alarm Type	Communication Alarm
Probable Cause	Other
Severity	Clear
Additional Info1,2,3	-
Corrective Action	-

Link Down

Alarm Field	Description
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

Alarm Field	Description
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	-

Link Up

Alarm Field	Description
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 Source	-
Alarm Type	Communication Alarm
Probable Cause	Other
Severity	Clear
Additional	-

Alarm Field	Description
Info1,2,3	
Corrective Action	-

Entity Configuration Change

Alarm Field	Description
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	-

Authentication Failure

Alarm Field	Description
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.

Alarm Field	Description
SNMP Alarm	[Event] authenticationFailure
SNMP OID	1.3.6.1.6.3.1.1.5.5
Alarm Title	Authentication Failure
Alarm Source	-
Alarm Type	Communication Alarm
Probable Cause	Other
Severity	Major
Additional Info1,2,3	-
Corrective Action	-

3 Management Alarms

This section describes the Management alarms.

EMS Trap Receiver Binding Error

Alarm Field	Description
Description	This alarm is generated during server startup if an error occurs indicating that the SNMP trap receiver port is already taken.
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.1
SNMP Alarm	acEMSSnmpCannotBindError
Alarm Title	[Event] EMS Trap Receiver Binding Error
Alarm Source	OVOC Mgmt
Alarm Type	Environmental Alarm
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). OVOC application: If it's busy, check which application uses this port. If it's not freed by OVOC application, restart the OVOC server application as described in the OVOC Server IOM. Other network management application: change OVOC application and all managed gateways' default alarm reception ports.
Media Gateways	All the gateways managed by OVOC

GW Connection Alarm

Alarm Field	Description
Description	Originated by OVOC when an SNMP Timeout occurs for the first time

Alarm Field	Description
	in the Media Gateway.
SNMP Alarm	acEMSNodeConnectionLostAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.3
Alarm Title	GW Connection Alarm
Alarm Source	Media Gateway
Alarm Type	Communications Alarm
Probable Cause	Communications Subsystem Failure
Severity	Critical
Additional Info	When an SBA is configured, displays the 'SBA Description' field.
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 OVOC 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 OVOC

GW Mismatch Alarm

Alarm Field	Description
Description	Activated when OVOC detects a hardware, software, predefine or configuration mismatch. Software Mismatch: Activated when OVOC 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

Alarm Field	Description	
	 version is not defined in the Software Manager. Hardware Mismatch: Activated when OVOC detects a hardware mismatch between the actual and the previous definition of a Media Gateway. Configuration Mismatch: Activated when OVOC detects a configuration mismatch between the actual parameter values provisioned and previous parameter values provisioned. 	
SNMP Alarm	acEMSNoMismatchNodeAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.9	
Alarm Title Alarm Source	GW Mismatch Alarm Media Gateway/Software Media Gateway/Hardware Media Gateway/Configuration	
Alarm Type	Equipment Alarm	
Probable Cause	Other	
Severity	Clear	
Additional Info	-	
Corrective Action	 Software Mismatch: ✓ Define the detected version in the OVOC Software Manager ✓ Perform a Software Upgrade on the gateway with one of the supported versions. Hardware Mismatch: ✓ Perform remove / add a device in order to resync OVOC 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 	

Alarm Field	Description
	 -MG configuration is incorrect: use configuration download to update MG with correct configuration saved in OVOC database. -MG is correct, OVOC is not updated: use configuration upload to save a correct MG configuration in OVOC database. Check the Actions Journal for recent updates of the gateway.
Media Gateways	All the gateways managed by OVOC.

Configuration Mismatch

Alarm Field	Description
Description	This alarm is raised when there are missing or incorrect parameters values received from a managed entity.
SNMP Alarm	acEMSConfigurationMismatchNodeAlarm
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.7
Alarm Title	Configuration Mismatch
Alarm Source	OVOC Mgmt
Alarm Type	Other
Probable Cause	Other
Severity	Minor
Additional Info	-
Corrective Action	-

OVOC Server Started

Alarm Field	Description
Description	Event raised each time the OVOC server is started or restarted (warm boot/reboot) by the OVOC Watchdog Process.

Alarm Field	Description
SNMP OID	acEMSServerStartup- 1.3.6.1.4.1.5003.9.20.3.2.0.11
AlarmTitle	[Event] OVOC Server Started
AlarmSource	Management
Alarm Type	Communications Alarm
Probable Cause	Other
Severity	Major
Additional Info	-
Corrective Action	-
Media Gate- ways	All the gateways managed by OVOC.

OVOC Disk Space Alarm

Alarm Field	Description
Description	The usage size (in %) on the disk partition of the #application type #application name is 'Dangerously High' or 'Almost Full'.
SNMP Alarm	acEMSNotEnoughDiskSpaceAlarm
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.12
AlarmTitle	Disk Space Alarm
AlarmType	Equipment Alarm
AlarmSource	OVOC Mgmt
Probable Cause	Storage Capacity Problem
Severity	More than 70% - minor
	■ 80-90 – major More than 90 - critical
	- Marcanan as Critical
Alarm Text	{0}% of the disk is used in data partition. Free some disk space to avoid system failure.

Alarm Field	Description
Additional Info	
Corrective Action	Free disk space

Software Replaced

Alarm Field	Description
Description	Originates when OVOC 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 OVOC). Software Replace old version: <old version=""> new version < new version>.</old>
SNMP Alarm	acEMSSoftwareReplaceAlarm-
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.14
Alarm Title	[Event] Software Replaced
Alarm Source	OVOC Mgmt
Alarm Type	Communications Alarm
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 OVOC.

Hardware Replaced

Alarm Field	Description
Description	Originated when OVOC discovers a different gateway (according to the

Alarm Field	Description
	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 Alarm	acEMSHardwareReplaceAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.15
Alarm Title	[Event] Hardware Replaced
Alarm Type	Equipment Alarm
Alarm Source	Media Gateway
Probable Cause	Other
Severity	Major
Additional Info	-
Corrective Action	-
Media Gateways	MediaPacks, Mediant 1000, Mediant 2000, Mediant 3000

HTTP/HTTPS Access Disabled

Alarm Field	Description
Description	Originated when HTTP access is disabled by OVOC hardening; however OVOC manages media gateways that require HTTP access for software upgrade. Originated on server startup.
SNMP Alarm	acEMSHTTPDisabled
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.16
Alarm Title	[Event] HTTP/HTTPS Access Disabled
Alarm Type	Environmental Alarm

Alarm Field	Description
Alarm Source	OVOC Mgmt
Probable Cause	Application Subsystem Failure
Severity	Major
Additional Info	-
Corrective Action	Separate the gateways between two OVOC servers (secured & unsecured)
Media Gateways	Gateways using the HTTP server for the software upgrade procedure: MediaPacks, Mediant 1000, Mediant 2000, Mediant 3000

PM File Generated

Alarm Field	Description
Description	Originated when a PM file is generated in the OVOC server, and it can be retrieved by a higher level management system.
SNMP Alarm	acEMSPmFileGenerate
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.18
Alarm Title	[Event] PM File Generated
Alarm Source	OVOC Mgmt
Alarm Type	Other
Probable Cause	Other
Severity	Info
Additional Info	The performance summary data from <start interval="" polling="" time=""> to<timestempfileto> of media gateway<nodeipadd> was saved in PM file <filename>.</filename></nodeipadd></timestempfileto></start>
Corrective Action	-

Alarm Field	Description
Media Gateways	All Gateways

PM Polling Error

Alarm Field	Description
Description	Originated when a History PM stops collecting performance summary data from MG. Possible reasons are: NTP synchronization lost, Connection Loss, SW Mismatch, etc.
SNMP Alarm	acEMSPmHistoryAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.19
Alarm Title	[Event] PM Polling Error
Alarm Source	OVOC Mgmt
Alarm Type	Other
Probable Cause	Other
Severity	Minor
Additional Info	-
Corrective Action	Verify in the 'Description' (see above) the reason why the PM history stopped.
	When the reason is 'NTP synchronization lost', verify that the gateway and the OVOC 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 OVOC 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 Gate-	All Gateways

Alarm Field	Description
ways	

Cold Start Missed

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

GW Backup Event

Alarm Field	Description
Description	This alarm is raised when an AudioCodes device configuration file cannot be retrieved due to insufficient disk space or periodic backup operation failure.
SNMP Alarm	acEMSMGBackupEvent
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.21

Alarm Field		Description	
Alarm Title	GW Backup Event		
Alarm Source	<device address<="" ip="" td=""><td>S></td><td></td></device>	S>	
Alarm Type	Other		
Probable Cause	Other		
Additional Info	-		
Alarm Severity	Condition	Text	Corrective Action
Minor	periodic backup failed due to insufficient disk space	Backup file from IP:{0} with MG name: {1} was not retrieved due to low OVOC Mgmt disk space.	Check disk and free some space.
Minor	periodic backupbackup failed	Periodic Backup operation failed for MG {0} with IP:{1}	
Indeterminate	periodic backup success	backup file: {file} from ip: {ip} with mg name: {name} was successfully retrieved.	

Security Alarm

Alarm Field	Description
Description	Activated when one or more RADIUS servers are not reachable. When none of the RADIUS servers can be reached, a Critical Severity alarm is generated.
SNMP Alarm	acEMSSecurityAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.23
Alarm Title	Security Alarm
Alarm Source	OVOC Mgmt/ Radius <#>
Alarm Type	Processing Error Alarm

Alarm Field	Description
Probable Cause	Other
Severity	Minor, Major, Critical
Additional Info	-
Corrective Action	-
Media Gate- ways	-

Security Event

Alarm Field	Description
Description	This event is generated when a specific user is blocked after reaching the maximum number of login attempts, or when the OVOC failed to sync OVOC and Mediant 5000 / 8000 users.
SNMP Alarm	acEMSSecurityEvent
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.24
Alarm Title	[Event] Security Event
Alarm Source	OVOC Mgmt/ User Name, OVOC Mgmt/ User Sync
Alarm Type	Other
Probable Cause	Other
Severity	Indeterminate
Additional Info	-
Corrective Action	-
Media Gate-	-

Alarm Field	Description
ways	

Topology Update Event

Alarm Field	Description
Description	This event is issued by OVOC when a Gateway or Region is added/removed/updated in OVOC 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 Alarm	acEMSTopologyUpdateEvent
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.25
Alarm Title	[Event] Topology Update
Alarm Source	OVOC Mgmt
Alarm Type	Other
Probable Cause	Other
Severity	Indeterminate
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 OVOC data base used for region identification)
	X2 = Region name as it defined by OVOC operator
	Y1 = GW ID (unique identifier in the OVOC data base used for GW identification)
	Y2 = GW Name as it defined by OVOC operator
	Y3 = GW IP as it defined by OVOC operator
	Y4 = GW Type as it identified by OVOC during the first connection to the gateway. If first connection was not successful during the add operation,

Alarm Field	Description
	it will trigger an 'Add GW' event with Unknown GW type, and 'Update GW' event once the initial connection to the gateway has been success full. The following gateways 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 gateway-related.
	All the fields related to the gateway 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 Gate- ways	-

Topology File Event

Alarm Field	Description
Description	This event is issued by OVOC when the Topology File is updated on the OVOC 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 Northbound Integration Guide.
SNMP Name	acEMSTopologyFileEvent-
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.26

Alarm Field	Description
Alarm Title	[Event] Topology File
Alarm Source	OVOC Mgmt
Alarm Type	Other
Probable Cause	Other
Severity	Indeterminate
Additional Info	File Name: MGsTopologyList.csv
Corrective Action	-
Media Gate- ways	-

Synchronizing Alarms Event

Alarm Field	Description
Description	This event is issued when the OVOC 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 OVOC failed to retrieve is provided in the Additional Info field.
SNMP Alarm	acEMSSyncAlarmEvent
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.27
Alarm Title	[Event] Synchronizing Alarms
Alarm Source	OVOC Mgmt
Alarm Type	Other
Severity	Indeterminate
Probable Cause	Other
Additional Info	Retrieved x missed alarms, failed to retrieve y alarms.

Alarm Field	Description
Corrective Action	-
Media Gateways	-

Synchronizing Active Alarms Event

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

OVOC License Key Alarm

Alarm Field	Description
Description	This alarm is raised when the OVOC License key has expired or the OVOC management license (License key) on the device is missing.

Alarm Field		Description	
SNMP Alarm	acEMSLicenseKeyA	acEMSLicenseKeyAlarm	
SNMP OID	.1.3.6.1.4.1.5003.9	.20.3.2.0.29	
Alarm Title	OVOC License Key	Alarm	
Alarm Source	OVOC Mgmt/licens	se	
Alarm Type	other		
Probable Cause	keyexpired	keyexpired	
Additional Info	In case the OVOC li	icense expires: expiration date: <expiration date=""></expiration>	
Corrective Action	In case the OVOC license expires: Contact AudioCodes for new license In case of the missing license in device: If required, contact AudioCodes for new license		
Alarm Severity	Condition	Text	Corrective Action
Critical	expired	OVOC Mgmt Application License is expired	
Major	Month before	OVOC Mgmt Application License will be expired within one month	
Critical	Device not have OVOC management license	GW management is not covered by current OVOC Mgmt Application License	

Suppressed Alarm <Name>

Alarm Field	Description
Description	This alarm is sent when the OVOC suppresses alarms (of the same alarm type and alarm source), once the number of such alarms reaches a configured threshold level in a configured interval (configured in the

Alarm Field	Description
	OVOC Alarms Settings screen). When this alarm is sent, such alarms are not added to the OVOC database and are not forwarded to configured destinations.
SNMP Alarm	acEMSAlarmSuppression
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.42
Alarm Title	The name of the suppressed alarm
Alarm Source	OVOC Mgmt or OVOC QoE/ <ip address_managed="" entity=""></ip>
Alarm Text	Alarm Suppression activated
Alarm Type	Other
Probable Cause	Threshold crossed.
Severity	Indeterminate
Status Changes	The alarm is cleared when in the subsequent interval, the number of such alarms falls below the configured threshold. Once the alarm is cleared, then these alarms are once more added to the OVOC database and forwarded to configured destinations.
Additional Info	-
Corrective Action	Investigate the recurrence of such alarms.

OVOC Keep Alive Alarm

Alarm Field	Description	
Description	This alarm indicates that an SNMP Keep-alive trap has been sent from OVOC to a third-party destination such as a Syslog server to indicate OVOC liveness (configured in the OVOC Alarms Settings window).	
SNMP Alarm	EMSKeepAliveAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.45	
Alarm Title	OVOC Keep Alive Alarm	

Alarm Field	Description
Alarm Source	OVOC Mgmt
Alarm Text	Management Keep-Alive
Default Severity	Indeterminate
Alarm Type	Other
Probable Cause	Other
Corrective Action	-

Pre-provisioning Alarm

Alarm Field	Description
Description	This alarm is generated when the operation for pre-provisioning the device upon initial connection to OVOC fails.
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.46
AlarmTitle	Pre-Provisioning
AlarmSource	OVOC Mgmt
AlarmType	operational/Violation
Probable Cause	The template file could not be applied to the device because there was a mismatch between the template file and the device's existing ini file or there was a mismatch between the device type and the firmware file applied to the device.
Severity	Critical
Additional Info	-
Corrective Action	 When this alarm is raised, you cannot reload configuration or firmware files to the device as it has already been connected to OVOC. Instead download these files to the device using the Software Manager and then use the 'Software Upgrade' action. OR

Alarm Field	Description	
	Remove the device from OVOC and then reconnect it i.e. repeat the pre-provisioning process.	
Media Gate- ways	All gateways managed by OVOC.	

Endpoint Publish Alarm

Alarm Field	Description
Description	This alarm is raised when problems arise with the SIP Publish reporting for voice quality metrics (port 5060) from endpoints (RFC 6035).
	When a SIP Publish message is missing mandatory parameter/s required by OVOC to handle this message.
	When SIP Publish message time is not synchronized with OVOC server.
SNMP Alarm	acEndpointPublishAlarm
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.47
Alarm Title	Endpoint Publish Alarm
Alarm Source	OVOC_QoE/ <endpoint ip=""></endpoint>
Alarm Type	Communications alarm
Alarm Text	Bad Publish Message. Device IP: {ip}, Device MAC: {mac}.
Probable Cause	Communications protocol error
Additional	Possible reasons:
Info	Mandatory Field/s Missing.
	Endpoint Server and Device Synchronization Error.
Severity	Minor

Disk Space Alarm

Alarm Fields	Description
Description	This alarm is issued in one of the following cases:

Alarm Fields	Description	
	The Archive Logs directory capacity has reached {0}%.	
	The Oracle partition capacity has reached {0}%.	
SNMP Alarm	acEMSDiskSpaceAlarmCheck	
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.51	
AlarmTitle	Disk Space Alarm	
AlarmSource	OVOC Mgmt	
AlarmType	Equipment Alarm	
Probable Cause	Storage Capacity Problem	
Severity	■ 70% < Minor	
	■ 80% < Major	
	90% < Critical	
Additional Info	-	
Corrective Action	 The Archive Logs directory: Free space in /ACEMS/NBIF/emsBackup/DBEMS/archivelog/ to avoid system failure. The Oracle partition: Free space using the command rm -f 	
	/oracle/DIAG/diag/rdbms/dbems/dbems/trace/*.tr* to avoid system failure.	
Media Gate- ways	-	

Oracle Disk Space Alarm

Alarm Field	Description
Description	This alarm is issued when the Oracle partition capacity has reached {0}%. of its disk capacity.
SNMP Alarm	acEMSNotEnoughOracleSpaceAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.52
AlarmTitle	Oracle Disk Space Alarm

Alarm Field	Description
AlarmSource	OVOC Mgmt
AlarmType	Equipment Alarm
Probable Cause	Storage Capacity Problem
Severity	70% < Minor80% < Major90% < Critical
Additional Info	-
Corrective Action	Free space using the command rm -f /oracle/DIAG/diag/rdbms/dbems/dbems/trace/*.tr* to avoid system failure.
Media Gate- ways	-

License Alarm

Alarm Field	Description
Description	This alarm is issued when the OVOC License approaches or reaches it's expiration date or OVOC server machine ID is no longer valid.
SNMP Alarm	acLicenseAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.53
Alarm Title	License Alarm
Alarm Source	OVOC Mgmt
Alarm Type	Other
Probable Cause	Other
Additional	Info1:
Info	Machine ID In The License Is {0}
	Expiration Date In The License Is {0}

Alarm Field		Descrip	tion
Alarm Severity	Condition	<text></text>	Corrective Action
Critical	The license expiration date is less than equal to 7 days.	 OVOCLicense is about to expire in {0} days. OVOC License is about to expire in 1 day. OVOC License Will Expire Today 	Contact your AudioCodes partner ASAP. Note that when notification that this license has expired is received, the server remains connected for a few minutes in order to allow the forwarding traps to northbound destinations.
Major	The license expiration date is more than 7 days and less than equal to 30 days.	OVOC License is about to expire in {0} days.	
Clear	The license expiration date is greater than 30 days.		

Synchronizing Alarms

Alarm Field	Description
Description	This event is sent out to an SMMP NBI using user defined alarms forwarding rules once the NMS has activated the ReSync Alarms feature.
SNMP Alarm	ac OCReSyncEvent
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.58
Alarm Title	[Event] Synchronizing Alarms
Alarm Source	OVOC Mgmt
Alarm Type	Other

Alarm Field	Description
Severity	Indeterminate
Probable Cause	Other
Additional Info	-
Corrective Action	-
Media Gateways	-

QoE Sip Message Status Alarm

Alarm Field	Description
Description	Alarm is raised when device notify OVOC that it stop sending SIP messages. cleared when it notify that it continue sending SIP messages
SNMP Alarm	acSEMSipMessageStatusAlarm
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.60
AlarmTitle	QoE: Sip Message Status Alarm
AlarmType	OVOC QOE/ <device name=""></device>
AlarmSource	Communications Alarm
Probable Cause	Communications Subsystem Failure
Severity	Critical
Alarm Text	Device Stopped Sending Sip Ladder Messages
Additional Info	
Corrective Action	

Floating License Extended

Alarm Field	Description
Description	This alarm is raised when IP phones are added to OVOC and as a result licenses are extended beyond the pre-existing tenant allocation; where there are insufficient licenses currently allocated to the phone's designated tenant. In this case, OVOC checks the number of free available licenses (licensees that are not assigned to any tenant) and then takes 5% of the current tenant allocation (a minimum of five, or the remaining licenses) and dynamically adds them to the phone's tenant. The licenses are taken from the OVOC License "Managed Endpoints" feature license if the endpoint is managed by IP Phone Manager Pro or from the "Voice Quality Endpoints" feature if the phones are managed in the OVOC for Voice Quality ("QOE Supported" in OVOC Web). If both of these license features are managed for the endpoint, the license is taken according to the license availability for the respective tenant license allocation. For example, if the endpoint is licensed for both of these categories and there also insufficient licenses allocated for both categories, then the dynamic license allocation is separately executed and therefore separate events are raised.
SNMP Alarm	floatingLicenseExtended
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.61
Alarm Title	Floating License Extended
Alarm Source	The tenant on which the license is extended.
Alarm Type	Other
Severity	Indeterminate (info)
Probable Cause	Other

Floating License Device Report Alarm

Alarm Field	Details
Description	This alarm is raised when the device does not send a usage report for [calc duration] minutes or more to OVOC.
SNMP Alarm	acClmDeviceReportAlarm

Alarm Field	Details
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.62
Alarm Title	Floating license Device missing report
Alarm Source	Floating license/Device#[Device Id]
Alarm Type	Communication
Severity	Major
Probable Cause	Other

Floating License Register Successful Event

Alarm Field	Description
Description	This alarm is raised when OVOC successfully registers to Floating License at [DNS address].
SNMP Alarm	acClmRegisterSuccessfulEvent
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.63
Alarm Title	Floating license Cloud Service registration successful
Alarm Source	Floating license
Alarm Type	Communication
Severity	Info
Probable Cause	Other

Floating License Register Failure Alarm

Alarm Field	Description
Description	This alarm is raised when OVOC fails to register to Floating License Cloud Service at [DNS address], Reason: [Error description or timeout]
SNMP Alarm	acClmRegisterFailureAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.64

Alarm Field	Description
Alarm Title	Fail to register to Cloud Service
Alarm Source	Floating license
Alarm Type	Communication
Severity	Critical
Probable Cause	Communications Protocol Error

Floating License Failure to Send Usage Report Alarm

Alarm Field	Description
Description	This alarm is raised when OVOC fails in two attempts to send usage report to Floating License Cloud Service Service. This service shuts down if the problem not fixed by the configured period (default 90 days). Note: this time period is configured by AudioCodes on the Floating License Service.
SNMP Alarm	acClmFailToSendUsageReportAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.65
Alarm Title	Failed to send usage report to Cloud Service
Alarm Source	Floating license
Alarm Type	Communication
Severity	Major
Probable Cause	Communications Protocol Error

Floating License Failure to Send Extended Usage Report Alarm

Alarm Field	Description
Description	This alarm is raised when OVOC fails to send usage reports to the Floating License Cloud Service. This alarm is raised one week prior to the shutdown date (default 90 days). Note: this time period is configured by AudioCodes on the Floating

Alarm Field	Description
	License Service.
SNMP Alarm	acClmFailToSendUsageReportExtendedAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.66
Alarm Title	Failed to send usage report to Floating License Cloud Service
Alarm Source	Floating license
Alarm Type	Communication
Alarm Text	OVOC failed to send usage report to Floating License Cloud Service. Service will shutdown if problem not fixed by 90 days
Severity	Critical
Probable Cause	Communications Protocol Error

Floating License Service Shutdown Alarm

Alarm Field	Description
Description	Floating License service shutdown, reason: failure to communicate with cloud service for [(ovocNoResponseHours-144) *60/ ovocReportIntervalMin] minutes.
SNMP Alarm	acClmServiceShutdownAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.67
Alarm Title	Service Shutdown
Alarm Source	Floating license
Alarm Type	Communication
Severity	Critical
Probable Cause	Application Subsystem Failure

Floating License Manage Devices above Allow Maximum

Alarm Field	Description
Description	This alarm is raised when the maximum number of devices managed by the floating license is reduced to less than the currently registered count (the number of devices that have registered to OVOC and the Floating License service and are currently managed by the floating license). For example, if there are 30 devices registered and are currently managed by the floating license in OVOC, and then the maximum number of devices supported by the license is reduced to 20 devices, then this alarm will be raised.
SNMP Alarm	acClmMaxDeviceMismatchEvent
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.68
Alarm Title	Floating license Manage devices above allow maximum
Alarm Source	Floating license
Alarm Type	Other
Alarm Severity	Info
Probable Cause	Other
Additional Info	-
Corrective Action	-

Floating License Registered Devices Requests Capacity

Alarm Field	Description
Description	This alarm is raised when there is an attempt to register a device for floating license management that is above the OVOC maximum floating license capacity.
SNMP Alarm	acClmMaxDeviceCapacityAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.69

Alarm Field	Description
Alarm Title	Floating license registered devices requests capacity.
Alarm Source	Floating license
Alarm Type	Other
Alarm Severity	Critical
Probable Cause	Other
Additional Info	-
Corrective Action	-

Alarms Overflow

Alarm Field	Description
Description	This alarm is raised when one of the alarm processing queues reached their threshold which prevented the receiving of new alarms.
SNMP Alarm	acAlarmsOverflow
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.71
Alarm Title	Alarms Overflow
Alarm Source	OVOC Mgmt
Alarm Type	Other
Probable Cause	Threshold Crossed
Severity	Major
Additional Info	-
Corrective Action	-

Alarms Forward Overflow

Alarm Field	Description
Description	This alarm is raised when one of the alarms forwarding processing queues reached their threshold prevented the forwarding of new alarms
SNMP Alarm	acAlarmsFwOverflow
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.72
Alarm Title	Alarms Forward Overflow
Alarm Source	OVOC Mgmt
Alarm Type	Other
Severity	Major
Probable Cause	Threshold Crossed
Additional Info	-
Corrective Action	-

FQDN Resolve Event

Alarm Field	Description
Description	This alarm is raised when the FQDN for logging into the device cannot be resolved.
SNMP Alarm	acEMSFQDNResolveEvent
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.73
Alarm Title	FQDN Resolve Event
Alarm Source	Device IP
Alarm Type	Other
Probable Cause	Other

Alarm Field		Description	
Additional Info			
Corrective Action	Check if another do	evice with the same IP already exists gured FQDN).	s in OVOC (same as
Alarm Severity	Condition	Text	Corrective Action
Major		FQDN: <fqdn> resolved to IP: <ip> . IP address already exist . IP address for node name <name> changed to empty value</name></ip></fqdn>	
Major		FQDN: <fqdn> resolved to IP: <ip>. IP address for node name <name> changed to <ip></ip></name></ip></fqdn>	

PM Timeout Event

Alarm Field		Description	
Description	This system event is raised when the polling interval has expired and not all of the parameters that were defined in the assigned PM profile were yet polled.		
SNMP Alarm	acPmTimeOutEvent		
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0	0.74	
Alarm Source	OVOC Mgmt/ PM Handler		
Alarm Title	PM Timeout Event		
Alarm Type	Other		
Probable Cause	Other		
Event Severity	Condition	<text></text>	Corrective Action

Alarm Field	Description		
Critical	The polling interval has expired and not all of the parameters that were defined in the PM profile were yet polled.	Message: PM Timeout; startTime= 12:00; endTime= 12:15; currentTime= 12:14:30; timeout= 30 sec before endTime	Check network performance.
Cleared	-	-	

PM Token Pool is Empty

Alarm Field	Description			
Description	This system event is raised when the number of parameters polled for the current interval has reached its maximum capacity.			
SNMP Alarm	acPMTokenPooisEm	pty		
SNMP OID	1.3.6.1.4.1.5003.9.2	0.3.2.0.75		
Alarm Source	OVOC Mgmt/ PM Token Pool Handler			
Alarm Title	PM Token Pool is Empty-Event			
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition	<text></text>	Corrective Action	
Critical	The number of parameters polled for this interval has reached its maximum capacity.	Message: 500,000 tokens have already been used, no more DB transactions is allowed on this pm iteration.	Check the number of parameters and devices configured in the PM Profile and reduce the load accordingly.	

PM Polling Status Event

Alarm Details	Description
Description	This event is raised per managed polled entity under the following

Alarm Details		Description	
	For the failure	c device is successfully polled. scenarios described below. t is sent only when the 'Send Evris enabled in the Performance	•
SNMP Alarm	acDevicePmPolling	Event	
SNMP OID	1.3.6.1.4.1.5003.9.	20.3.2.0.76	
Alarm Title	PM Polling Status E	Event	
Alarm Source	OVOC Mgmt/ PM I	Handle	
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Indeterminate	Raised when the device is successfully polled.	Success: PM polling operation was successfully finished. deviceName=Device Name; deviceIp= 1.1.1.1; pollingTimeStamp= 12:15	
Major	The time format for the device's system clock is in a different format to the time settings for the OVOC server clock.	Device time has not valid format	Synchronize the time settings.
	Device connection timeout	Device timeout	Troubleshoot the device connection.
	Device configuration is	Device is not Sync	Download updated configuration to

Alarm Details	Description		
	not synchronized		the device.

Alarm Details	Description		
	Device is polled when the token pool did not have sufficient allocations.	Token pool has not enough allocations	Analyze the polling load.
	The device does not have a valid MIB version.	Device has not valid MIB version	Verify the device's MIB version.
	The device's MIB version is not supported for the PM parameter.	Device's MIB version is not supporting PM, current version= v7.0	Refer to the Performance Monitoring Guide for the supported MIB version for the PM parameter.
	The OVOC server Performance Monitoring SNMP process used to manage the connection with the managed device has failed.	Device has no SNMP connection with OVOC.	Check the SNMP connection between the device and the OVOC server.
	A PM profile has not been assigned to the device.	Device is not attached to any PM profile.	Assign a PM profile to the device.
	The Token pool does not have sufficient allocations.	Token pool has not enough allocations	Check the number of parameters and devices configured in the PM Profile and reduce the load accordingly.
	The device was restarted less than 15 minutes ago.	Device was restarted less than 15 minutes ago	Wait at least 15 minutes for the polling operation to recommence.

Alarm Details	Description		
	The last polling reason type was unknown.	Unknown LastPollingFailReasonType failure	-
Cleared	-	-	-

PM Batch Overflow Alarm

Alarm Field		Description		
Description	This system alarm is raised when the database buffer for the polled interval has reached its maximum capacity.			
SNMP Alarm	acPmBatchOver	FlowAlarm		
SNMP OID	1.3.6.1.4.1.5003.	9.20.3.2.0.77		
Alarm Source	OVOC Mgmt/ PN	/I Batch Handler		
Alarm Title	PM Batch OverFl	PM Batch OverFlow Alarm		
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition	<text></text>	Corrective Action	
Critical	The PM batch handler buffer has reached maximum capacity.	PM's batch handler reached his max buffer capacity= 15000, while his current size= 15000. Polling operation will be stopped until the buffer will be cleared.		
Cleared	-	-		

PM Has No SNMP Connection

Alarm Field	Description
Description	This system event is raised when the internal SNMP process for managing the polling operation fails.

Alarm Field	Description				
SNMP Alarm	acPmHasNoSnmpCon	nection			
SNMP OID	1.3.6.1.4.1.5003.9.20.	3.2.0.78			
Alarm Source	OVOC Mgmt/ PM Tok	en Pool Handler			
Alarm Title	PM Has No SNMP Cor	nection			
Alarm Type	Other	Other			
Probable Cause	Other				
Alarm Severity	Condition	Condition <text> Corrective Action</text>			
Critical	The internal SNMP process for managing the polling operation has failed.	-			
Cleared	-	-			

FlexPool License Usage

Alarm Field	Description			
Description	This alarm is raised when a FlexPool License parameter is approaching or has reached its maximum value.			
SNMP Alarm	acFlexPoolLicenseUsage			
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.85			
Alarm Title	FlexPool license parameter license usage			
Alarm Source	FlexPool/[license parameter name]			
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition Text Corrective Action			

Alarm Field	Description			
Critical	FlexPool license parameter has exceeded its maximum value.	FlexPool license parameter [name] is over license limit.	Renew floating license or reduce current consumption.	
Minor	FlexPool license parameter is approaching its maximum value according to the setting for the Flex Pool OVOC Web Configuration parameter "Alarm Threshold Percentage" (default 85%).	FlexPool license parameter [name] is approaching maximum utilization.	Renew floating license or reduce current consumption.	

UMP Users Scheduler Time Exceeded Alarm

Alarm Field	Description		
Description	This alarm is raised when there is a timeout for the Active Directory connection and when this action fails for UMP for a specific customer.		
SNMP Alarm	acUMPUsersSchedulerAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.86		
Alarm Source	OVOC QoE/UMP User SyncOVOC QoE/ 'name of the specific customer'		
Alarm Title	UMP Users Scheduler Time Exceeded Alarm		
Alarm Type	Processing Error Alarm		
Probable Cause	 ■ If cause type is CLEARED: ✓ UMP Users sync task was restarted ✓ UMP Users sync task for customer: 'name of the specific customer' was restarted. ■ If cause type is not CLEARED: ✓ UMP Users sync task was terminated due to exceeded time running. ✓ UMP Users sync task for customer: 'name of the specific customer' was failed. 		

Alarm Field	Description		
Additional Info1			
Additional Info2			
Alarm Severity	Condition	Alarm Text	Corrective Action
Minor	 UMP users synchronization timeout UMP users synchronization for a specific customer failed 	 UMP Users sync task was terminated due to exceeded time running UMP Users sync task for customer: 'name of the specific customer' was failed. 	Check the connection with the Active Directory.
Cleared	UMP User Synchronization success full	 UMP Users sync task was restarted UMP Users sync task for customer: 'name of the specific customer' was restarted. 	

Teams Connection Alarm

Alarm Field	Description		
Description	This alarm is raised when calls notifications cannot be received from MS Cloud due to connection and Calls Notifications subscription issues.		
SNMP Alarm	acTeamsConnectionAlarm		
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.89		
Alarm Source	OVOC Mgmt/Device		
Alarm Title	Teams Connection Alarm		
Alarm Type	Communications Alarm		
Probable Cause	Communications Subsystem Failure		

Alarm Field	Description			
Additional Info1				
Additional Info2				
Alarm Severity	Condition	Alarm Text	Corrective Action	
Critical	Any network connection issue with Microsoft Teams	Connection to MS Teams Cloud Has Been Lost	Troubleshoot the network components such as firewall, DNS, certificates.	
	Failure of MS Token creation from Microsoft Graph API		Verify that the client credentials configured for the device added in	
	The Subscription does not exist or the expired Connection to Microsoft Teams Cloud has been lost		OVOC are identical to those defined by customer in Azure.	
Clear	The network issue is solved	Connection to MS Teams		
	MS Token created successfully after failed attempts	Cloud Has Been Estab- lished		
	New subscription created/renewed successfully			

URI Exceeded Storing Limit Event

Alarm Field	Description
Description	This alarm is raised when the URI Storing Limit of 2000 has been exceeded.
SNMP Alarm	acURIExceededStoringLimitEvent

Alarm Field	Description		
SNMP OID	1.3.6.1.4.1.500	03.9.20.3.2.0.87	
Alarm Source	OVOC Mgmt/l	JRI Summary	
Alarm Title	URI Exceeded	Storing Limit Event	
Alarm Type	Processing Err	or Alarm	
Probable Cause	Other		
Additional Info1			
Additional Info2			
Alarm Severity	Condition	Alarm Text	Corrective Action
Warning	Count of Caller and Callee URI's that matched the provided regexp has exceeded the limit.	URI Storing Limit of 2000 was exceeded.	Reduce the storing limit. Note that this value cannot be changed by users as it is a system property value.

Low IO Rate Performance Event

Alarm Field	Description
Description	This alarm is raised when the I/O rate falls below the expected rate and as a result reduces disk speed. For example, an I/O rate decreases to 27.9 MB/s. The OVOC server runs dd command each watchdog iteration (every 30 sec) in case the I/O rate falls below the expected I/O rate.
SNMP Alarm	acLowIORatePerformanceEvent
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.88

Alarm Field	Description		
Alarm Source	OVOC Mgmt		
Alarm Title	Low IO Rate Per	formance Event	
Alarm Type	Communication	ns Alarm	
Probable Cause	Other		
Additional Info1	Example: Expected I/O rate 160 MB/s sent from 10.3.180.194		
Additional Info2			
Alarm Severity	Condition	Alarm Text	Corrective Action
Critical	The I/O rate(calculated by the dd com- mand) fell 10% below the expected I/O rate.	I/O rate decreased to xx MB/	Check network and storage performance.
Major	The I/O rate(I/O rate decreased to xx MB/s Check calculated by and s		Check network and storage performance.

Teams Subscription Alarm

Alarm Field	Description
Description	This alarm is raised when the Teams Calls Notifications subscription creation or renewal process fails for any reason.
SNMP Alarm	acTeamsSubscriptionAlarm
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.90

Alarm Field	Description			
Alarm Source	OVOC Mgmt/Device			
Alarm Title	Teams Subscription	on Alarm		
Alarm Type	Communications	Alarm		
Probable Cause	Communications S	Subsystem Failure		
Additional Info1				
Additional Info2				
Alarm Severity	Condition	Alarm Text	Corrective Action	
Critical	Failed to renew (create new initial) subscription, when the previously created subscription has expired.	Subscription failed. No active subscription exists		
	Failed to create initial subscription			
Major	Failed to renew subscription; previously created subscription has been active for less than 24 hours (between 0 to 24 hours).	Subscription failed. Previously created subscription is active for less than 24 hours. Expires at DATETIME		
Minor	Failed to renew	Subscription failed. Previously created subscription is active for less than 48		

Alarm Field	Description			
	subscription; previously created subscription has been active for less than 48 hours (between 48 and 24 hours).	hours. Expires at DATETIME		
Clear	Subscription successfully created or renewed.	Subscription created successfully. Expires at DATETIME		

Certificate Expiration Alarm

Alarm Field	Description				
Description	This alarm is ra	This alarm is raised when the OVOC server certificate expires.			
SNMP Alarm	acCertificateEx	xpirationAlarm			
SNMP OID	.1.3.6.1.4.1.500	03.9.20.3.2.0.94			
Alarm Title	Certificate Expi	ration Alarm			
Alarm Source	OVOC Server				
Alarm Type	Other	Other			
Probable Cause	Other	Other			
Additional Info1	Expiration date is : {0}				
Additional Info2					
Alarm Severity	Condition	Alarm Text	Corrective Action		
Critical	Certificate is expired	Certificate is expired	Update Certificate		

Alarm Field	Description			
Major	7 Days before expiration	OVOC server certificate will expire today	Update Certificate	
Minor	30 Days before expiration	OVOC server certificate will expire in {0} days	Update Certificate	
Clear	Certificate is updated.			

PostgreSQL Table Partition Management Error Event

Alarm Field		Descri	iption
Description	This alarm is raised when problems arise during PG partitions management operations such as partitions creation and removal.		
SNMP Alarm	acPgTablePartition	ManagementErrorE	event
SNMP OID	.1.3.6.1.4.1.5003.9	.20.3.2.0.97	
Alarm Title	PostgreSQL Table F	artition Manageme	ent Error Event
Alarm Source	OVOC_Mgmt		
Alarm Type	Other		
Probable Cause	Other		
Additional Info1	Where range_star	t_time is in format	table>_p <range_start_time> YYYYMMDDHH /iolated partitions: {partition_list}</range_start_time>
Additional Info2			
Alarm Severity	Condition	Alarm Text	Corrective Action

Alarm Field		Descri	ption
Major	Partition range could not be created in the current timing window for <component> table.</component>	Cannot create missing partitions for <component> table.</component>	 Review PgPartitioner process-related errors including issuing event in /var/log/ems/pgpartitioner.csv Review PostgresSQL log for details on which partition's management failed.
Major	Purging of empty partition of {NAME} schema is unsuccessful.	Cannot remove empty partition of {NAME} schema.	 Check the status of the PG Partitions Manager in the OVOC Server Manager. If the same event reoccurs for the same schema and table
Major	Partitions distribution with schemas cannot be initialized.	initialize at successive into same event is no	{schema_name}.{table_name} at successive intervals (the same event is not cleared), contact AudioCodes support.
Major	Purging of empty partitions of {schema_ name} schema is unsuccessful.	Cannot remove empty partitions of {schema_ name} schema.	
Major	Partition range could not be created in the current timing window for {schema_name}. {table_name}	Cannot create missing partitions for {schema_ name}.{table_ name} table.	
Major	Partitions distribution with schemas cannot be initialized.	Cannot initialize partitions distribution with schemas.	
Clear	Partitions can be created for		

Alarm Field	Description
	specific database table.
	Empty partitions of {NAME} schema can be removed.
	Partitions distribution with schemas can be initialized.
	Empty partitions of {schema_ name} schema can be removed.
	Partitions can be created for {schema_ name}. {table_ name} table.
	Partitions distribution with schemas can be initialized.

Metering Login

Alarm Field	Description
Description	This alarm is raised when OVOC is unable to login to the Metering service.
SNMP Alarm	acMeteringLoginAlarm

Alarm Field	Description				
SNMP OID	.1.3.6.1.4.1.5003	.9.20.3.2.0.99			
Alarm Title	Metering Login				
Alarm Source	Metering				
Alarm Type	meteringLogin				
Probable Cause					
Additional Info	-	-			
Alarm Severity	Condition	Text	Corrective Action		
Major	Failed to verify server authenticity.	Authentication Header Not Valid.			
	Login Error	Login failed with error code .	-		
	Timeout	Metering server request timeout.			

Metering Report Alarm

Alarm Field	Description
Description	This alarm is raised when OVOC fails to report to the Metering server.
SNMP Alarm	acMeteringReportalarm
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.100
Alarm Title	Metering Report
Alarm Source	Metering
Alarm Type	meteringReport
Probable Cause	

Alarm Field	Description			
Additional Info	-			
Alarm Severity	Condition	Text	Corrective Action	
Major	OVOC fails to report to the Metering server.	Failure to report to Metering server on date [xxx], failure reason [Response Code, response text]		

Metering Report Event

Alarm Field	Description		
Description	This event is raised when OVOC fails to report to the Metering Server.		
SNMP Alarm	acMeteringReportEvent		
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.100		
Alarm Title	Metering Report		
Alarm Source	Metering		
Alarm Type	meteringReport		
Probable Cause			
Additional Info	-		
Alarm Severity	Condition	Text	Corrective Action
Cleared	OVOC fails to report to the Metering server.	Failure to report to metering server on date [xxx], failure reason [Response Code, response text].	

4 Voice Quality Package Alarms

This section describes the Voice Quality Package alarms.

OVOC QoE - Failed Calls Alarm

Alarm Field	ı	Description	
Description	This alarm is raised when the % number of failed calls for the managed node or link crosses the threshold and is cleared when the failed calls ratio returns below the threshold value. The description field includes the info: Failed X1% of calls, X2 of X3 calls. The threshold for this alarm is set in the QoE Status and Alarms Details window.		
SNMP OID	acVoice QualityRuleFail	edCallsAlarm	
SNMP Alarm	1.3.6.1.4.1.5003.9.20.3.	2.0.30	
Alarm Title	Voice Quality - Failed Ca	alls Alarm	
Alarm Source	OVOC QoE/Device/Link	/Site/Endpoint	
Alarm Type	Quality of service alarm.		
Probable Cause	The minimum or maximum threshold is crossed.		
Additional Info	Critical or Major severity threshold is Y%:		
	Critical Threshold: 10 % of calls (default)		
	Major Threshold: 2 % of calls (default)		
	Where Y% is the % failed calls per managed node or link that is measured for a total time of 180 minutes period (three hours) and according to "Monitoring Frequency Min". For example, if this parameter is set to 15 minutes, sampling is performed at 15:15 (from 12:15 to 15:30) and then at 15:30 (from 12:30 to 15:30) and so on.		
Alarm Severity	Condition	Text	Corrective Action
Critical	This alarm is raised when Y % of calls (rep-	Y% of failed calls has	Investigate the source (device or link) of the

Alarm Field	С	Description	
	resenting the configured critical threshold) made by the managed node or link for the sampled period fail (see above).	crossed the "Critical" threshold	failed calls.
Major	This alarm is raised when Y % of calls (representing the configured major threshold) made by the managed node or link for the sampled period fail (see above).	Y% number of failed calls for has crossed the "Major" threshold.	
Clear	Cleared when the failed calls ratio returns below the threshold value for the sampled period.		-

OVOC QoE – Poor Voice Quality Alarm

Alarm Field	Description
Description	This alarm is raised when the % number of poor quality calls polled for the managed node or link crosses the threshold and is cleared when the poor quality calls ratio returns below the threshold value. The description field includes the info: Poor Quality X1% of calls, X2 of X3 calls. The threshold for this alarm is set in the QoE Status and Alarms Details window.
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.31
SNMP Alarm	acVoiceQualityRulePoorQualityCallsAlarm
Alarm Title	Voice Quality – Voice Quality Alarm
Alarm Source	OVOC QoE/Device/Link/Site/Endpoint
Alarm Type	Quality of service alarm

Alarm Field	D	escription	
Probable Cause	The minimum or maximum threshold is crossed.		
Additional Info	Critical or Major severity	threshold is Y%:	
	Critical Threshold: 10	% of calls (default	:).
	Major Threshold: 2%	of calls (default)	
	Where Y% is the % poor link that is measured for period (three hours) and Frequency Min". For exa 15 minutes, sampling is part 15:15) and then at 15:30	a total time of 18 according to "Momple, if this paran performed at 15:1	0 minutes onitoring meter is set to 5 (from 12:15 to
Alarm Severity	Condition	Text	Corrective Action
Critical	This alarm is raised when Y% (representing the configured critical threshold) of calls made by the managed node or link for the sampled period (see above) are of poor quality.	Y% calls have crossed the "Critical" threshold.	Investigate the source (device or link) of the poor quality calls.
Major	This alarm is raised when Y % (representing the configured major threshold) of calls by the managed node or link for the sampled period (see above) are of poor quality.	Y% calls have crossed the "Major" threshold.	
Clear	Cleared when the poor quality calls ratio returns below the threshold value for the sampled period (see above).		-

OVOC QoE - Average Call Duration Alarm

Alarm Field	De	scription	
Description	This alarm is raised when the average call duration time threshold for the managed node or link is crossed and is cleared when the average call duration time ratio returns below the threshold value. The description field includes the info: Average Call Duration is Y sec. The threshold for this alarm is set in the QoE Status and Alarms Details window.		
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.	0.32	
SNMP Alarm	acVoice QualityRuleAvrgC	allDurationAlarm	1
Alarm Title	Voice Quality – Average C	all Duration Alarr	m
Alarm Source	OVOC QoE/Device/Link/Si	te/Endpoint	
Alarm Type	Quality of service alarm		
Probable Cause	The minimum or maximum threshold is crossed.		
Additional Info	Critical Threshold: average call duration of 3 seconds (default).		
	Major Threshold: average call duration of 5 seconds (default)		
	Where measured per managed node or link for a total time of 180 minutes period (three hours) and according to "Monitoring Frequency Min". For example, if this parameter is set to 15 minutes, sampling is performed at 15:15 (from 12:15 to 15:15) and then at 15:30 (for 12:30-15:30) and so on.		
Alarm Severity	Condition	Text	Corrective Action
Critical	This alarm is raised when the average call duration for the managed node or link for the sampled period (see above) falls to the configured critical	Average Call Duration "Critical" threshold has been reached.	Investigate the source (device or link) reporting the excessive average call

Alarm Field	Description		
	threshold value.		duration.
Major	This alarm is raised when the average call duration for the managed node or link for the sampled period (see above) falls to the configured major threshold value.	Average Call Duration "Major" threshold has been reached.	
Clear	Cleared when the average call duration returns below the threshold value for the sampled period (see above)		-

OVOC QoE - License Key Alarm

Alarm Field	Description
Description	This alarm is sent in the following circumstances:
	When the number of devices connected to the OVOC approaches or reaches license capacity (shown as 'Devices Number' in OVOC server Manager License screen).
	When the number of sessions running on the OVOC approaches or reaches license capacity (shown as 'Voice Quality Sessions' in the OVOC Server Manager License screen).
SNMP Alarm	acVoice QualityLicenseKeyAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.33
Alarm Title	Voice Quality License key alarm
Alarms Source	OVOC QoE
Alarm Type	Other
Probable Cause	Key Expired

Alarm Field	Description		
Additional Info			
Corrective Action	Contact your AudioCodes representitve to o key.	btain the requi	red license
Alarm Severity	Condition Text Corrective Action		
Critical	The number of currently running sessions/devices has reached 100% of the Voice Quality servers license capacity.	Current server load reached 100% of VOICE QUALITY License capacity.	-
Major	The number of currently running sessions/devices has reached 80% of Voice Quality servers license capacity.	Current server load reached 80% of Voice Quality License capacity.	-
Clear	The number of currently running sessions/devices has dropped below 80% of Voice Quality servers license capacity.	Clearing currently active device alarm.	-

OVOC QoE - System Load Alarm

Alarm Field	Description
Description	This alarm is sent when the Voice Quality system capacity is high and the system consequently becomes overloaded. Three levels are supported:
	Major -> Events are not stored. Trend Info will not be displayed.
	Critical -> Green calls are not stored.
	Minor - > Events are not stored for green calls. Trend Info will not be

Alarm Field	Description
	displayed.
SNMP Alarm	acVoice QualityCallDroppedAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.34
Alarm Title	■ Voice Quality – System Load Alarm
Alarm Source	OVOC QoE
Alarm Type	Quality of service alarm
Probable Cause	AlarmProbableCauseType.THRESHOLDCROSSED
Severity	MINOR/ MAJOR/ CRITICAL
Additional Info	 Medium load level is reached - {0}%, {1} calls of {2}. / High load level is reached - {0}%, {1} calls of {2}. / Approaching maximal system capacity - {0}%, {1} calls of {2}.
Corrective Action	Reduce the system load.

Call Details Storage Level Change

Alarm Field	Description
Description	This alarm is sent when the operator changes the Call Details Storage Level from one level to another.
SNMP Alarm	acVoice QualityClientLoadFlagAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.35
Alarm Title	Voice Quality – Call Details Storage Level has been changed.
Alarm Source	OVOC QoE
Alarm Type	Quality of service alarm
Probable Cause	Threshold crossed

Alarm Field	Description
Severity	Indeterminate
Additional Info	-
Corrective Action	-

Call Quality Monitoring Connection Status Alarm

Alarm Field	Description			
Description	This alarm is sent when connectivity is lost between the managed device and Voice Quality Package server.			
SNMP Alarm	acSEMConnectionStat	usAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.20.3	3.2.0.36		
Alarm Title	Voice Quality – OVOC	QoE - Connection Statu	us Alarm	
Alarm Source	OVOC QoE/Device			
Alarm Type	communicationsAlarm	1		
Probable Cause	communicationsSubsystemFailure			
Additional	One of the following reasons will appear:			
Info	Server Time: {0}, Device Time: {1}.			
	Please check your NTP Configuration in Device.			
	■ NTP Servers are not configured in the Device.			
	Please make sure that time in OVOC QoE Server and Device is properly synchronized.			
	NTP configuration is correct, please check your network conditions (Firewalls, Ports, etc.) and make sure that NTP sync of OVOC QoE Server and/or Devices is performed correctly.			
	You have complex network configuration in OVOC Mgmt/OVOC QoE server. Please refer to OVOC Mgmt client / Help menu / OVOC Mgmt Configuration frame to verify network configuration.			
Alarm	Condition Text CorrectiveAction			

Alarm Field	Description		
Severity			
Critical	Insufficient memory buffer.	There isn't enough buffer size to allocate for main messages queue of this board.	The OVOC server has reached its maximum management capacity. Contact AudioCodes Customer Support.
	Connection loss between OVOC and the device.	OVOC QoE connection lost.	Check your network configuration on both the device and OVOC server.
Clear	Server and Device are not synchronized.	Server Time: {0}, Device Time: {1}.	Check your NTP Configuration in device.
	Connection is established between the device and OVOC.	OVOC QoE connection established. Server and Device are now Synchronized.	-
	Synchronization between server and device.	Server and Device are now Synchronized.	-

OVOC QoE - Skype for Business SQL Server Connection Lost Alarm

Alarm Field	Description
Description	This alarm is sent when there is no connectivity with the Lync SQL Server database.
SNMP Alarm	acMSLyncConnectionAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.37
Alarm Title	Voice Quality AD Lync Connection Alarm
Alarm Source	OVOC QoE/Device
Alarm Type	Communications alarm

Alarm Field	Description
Probable Cause	Communications sub-system failure
Severity	Critical
Additional Info	-
Corrective Action	Check the Lync SQL server for problems.

OVOC QoE - Active Directory Server Connection Lost Alarm

Alarm Field	Description
Description	This alarm is sent when there is no connectivity with the Active Directory LDAP server.
SNMP Alarm	acVoice QualityMSLyncADServerAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.38
Alarm Title	Voice Quality MS Lync AD Server Alarm
Alarm Source	OVOC QoE/Active Directory
Alarm Type	Communications alarm
Probable Cause	Communications sub-system failure
Severity	Critical
Additional Info	Voice Quality - AD Lync connection alarm
Corrective Action	Check the MS Lync AD server for problems.

OVOC QoE - Media Bandwidth Alarm

Alarm Field	Description
Description	This alarm is sent when the media bandwidth for the node

Alarm Field	Description			
	or link falls below or exceeds the threshold values configured in the QoE Status and Alarms Details window.			
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2	2.0.43		
SNMP Alarm	acVoice QualityRuleBand	dwidthAlarm		
Alarm Title	Voice Quality Rule Bands	width Alarm		
Alarm Source	VOC QoE/Device/Link/Si	te/Endpoint		
Alarm Type	Quality of service alarm			
Probable Cause	Threshold crossed			
Additional Info	 Critical Threshold: 10 Kb/ sec (default). Major Threshold: 5 Kb/ sec (default) Where measured per managed node or link for a total time of 180 minutes period (three hours) and according to "Monitoring Frequency Min" For example, if this parameter is set to 15 minutes, sampling is performed at 15:15 (from 12:15 to 15:15) and then at 15:30 (for 12:30-15:30) and so on. 			
Alarm Severity	Condition	Text	Corrective Action	
Critical	This alarm is raised when the maximum bandwidth for the sampled period (see above) reaches the configured critical threshold value.	Maximum Bandwidth of X Kb/sec	Check the node's or link's maximum bandwidth capacity matches the required capa-	
Major	This alarm is raised when the maximum bandwidth for the sampled period (see above) reaches the configured major threshold value.	Maximum Bandwidth of X Kb/sec	city.	

Alarm Field	Description		
Clear	Cleared when the maximum bandwidth for the sampled period increases above the configured thresholds for the sampled period (see above).		-

OVOC QoE - Rule Max Concurrent Calls Alarm

Alarm Field		Description	
Description	This alarm is sent when the maximum concurrent calls for the node or link falls below or exceeds the threshold val- ues configured in QoE Status and Alarms Details window.		
SNMP OID	1.3.6.1.4.1.5003.9.20.3	.2.0.44	
SNMP Alarm	acVoice QualityRuleMa	xConcurrentCallsA	larm
Alarm Title	Rule Max Concurrent C	alls Alarm	
Alarm Source	OVOC QoE/Node/Link/	Site/Endpoint	
Alarm Type	Quality of service alarm	1	
Probable Cause	Threshold crossed		
Additional Info	Critical Threshold: 10 Calls (default).		
	Major Threshold: 5 Calls (default)		
	Where measured per managed node or link for a total time of 180 minutes period (three hours) and according to "Monitoring Frequency Min". For example, if this parameter is set to 15 minutes, sampling is performed at 15:15 (from 12:15 to 15:15) and then at 15:30 (from 12:30 to 15:30) and so on.		
Alarm Severity	Condition Text Corrective Action		Corrective Action
Critical	This alarm is raised when the number of	Max Con- current Calls of	Check that the node's or link's

Alarm Field	Description		
	concurrent calls reaches the configured critical threshold for the sampled period (see above).	X	maximum number of concurrent calls matches the required capacity.
Major	This alarm is raised when the number of concurrent calls reaches the configured major threshold for the sampled period (see above)	Max Con- current Calls of X	
Clear	This alarm is raised when the number of concurrent calls falls within the configured threshold for the sampled period (see above).		-

Report Schedulers Time Event

Alarm Field	Description
Description	This event is raised when the Reports Scheduler misses a scheduled execution time.
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.82
SNMP Alarm	acReportSchedulersTimeEvent
Alarm Title	Report Schedulers Time Event
Alarm Source	OVOC QoE/Report Scheduler
Alarm Type	Other
Probable Cause	Other

Alarm Field	Description		
Alarm Severity	Condition	Text	Corrective Action
Major	The sched- uler misses the exe- cution time.	Example: Scheduler ZAdmin_predefined Has Missed his Execution Time, Schedulers Next Run: 2019-12-22 05:00:00.0, While Current Time: Sun Dec 22 05:00:20 GMT 2019	-

Report Schedulers Load Alarm

Alarm Field		Description	
Description	This alarm is raised when the Report Scheduler's buffer reaches maximum it's capacity.		
SNMP OID	1.3.6.1.4.1.5003.9.	20.3.2.0.83	
SNMP Alarm	acReportScheduler	sLoadAlarm	
Alarm Title	Report Schedulers	Load Alarm	
Alarm Source	OVOC QoE/Report	Scheduler	
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	Text	Corrective Action
CRITICAL	Schedulers Execution Queue has reached maximum buffer capacity.	Schedulers Queue Has Reached His Max Buffer Capacity= <buffersize>, New Schedulers Will Not Be Executed</buffersize>	Reduce the number of scheduled reports.
MAJOR	Schedulers Execution Queue has reached 80% of its maximum buffer capacity.	Schedulers Queue Has Reached 80% Of His Max Buffer Capa- city= <buf>buffersize> , His Cur- rent Queue Size=<buf>buffersize></buf></buf>	

Report Schedulers Execution Event

Alarm Field	Description		
Description	This event is raised when the execution of the report that is attached to the Scheduler fails.		
SNMP OID	1.3.6.1.4.1.50	03.9.20.3.2.0.84	
SNMP Alarm	acReportSche	dulersExecutionEvent	
Alarm Title	Report Schedu	llers Execution Event	
Alarm Source	OVOC QoE/Re	port Scheduler	
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	Condition Text Corrective Action	
Critical	Execution of report which is attached to the scheduler fails.	Example: SchedulerExecuter: Calculation of report result has been failed; schedulerName=Test_Topology_Trend; reportName=TestTrend_Report; executionTime=Wed Dec 11 06:46:00 GMT 2019; actualRunTime=Wed Dec 11 06:46:00 GMT 2019	-

5 Device Manager Alarms

This section describes the Device Manager alarms.

Registration Failure Alarm

Alarm Field	Description
Description	This alarm is raised when a SIP registration (with a PBX) for the IP Phone fails.
SNMP Alarm	IPPhoneRegisterFailure
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.39
Alarm Title	Registration Failure
Alarm Source	IP Phone
Alarm Type	communicationsAlarm(1)
Probable Cause	communicationsProtocolError(5)
Severity	Critical
Corrective Action	The problem is typically not related to the phone, however to the server. The user/phone may not be defined, or may be incorrectly defined, or may previously have been defined but the username (for example) may have been changed, causing the registration to fail. Make sure the username and password credentials are identical in the server and phone, and weren't changed; server-phone credentials must be synchronized. Make sure the server is responsive.

IP Phone Survivable Mode Start Alarm

Alarm Fields	Description
Description	This alarm is raised when the IP Phone enters Survivable mode state with limited services in the Microsoft Lync environment.
SNMP Alarm	IPPhoneSurvivableModeStart
OID	1.3.6.1.4.1.5003.9.20.3.2.0.40

Alarm Fields	Description
Alarm Title	Survivable Mode Start
Alarm Source	IP Phone
Alarm Type	Other(0)
Probable Cause	other (0)
Severity	Major
Corrective Action	The problem is typically not related to the phone, but to the server or network. Make sure all servers in the enterprise's network are up. If one is down, limited service will result.

IP Phone Lync Login Failure Alarm

Alarm Field	Description
Description	This alarm is raised when the IP Phone fails to connect to Microsoft Lync Server during sign in.
SNMP Alarm	IPPhoneLyncLoginFailure
OID	1.3.6.1.4.1.5003.9.20.3.2.0.41
Alarm Title	Lync Login Failure
Alarm Source	IP Phone
Alarm Type	communicationsAlarm(1)
Probable Cause	communicationsProtocolError(5)
Severity	Critical
Additional Info	TlsConnectionFailure NtpServerError
Corrective Action	This alarm may typically occur if the user is not registered - or is registered incorrectly - in the Lync Server. Make sure that username, password and PIN code are correctly configured and valid in the Lync Server. Try resetting them. Try redefining the user.

Endpoint License Alarm

Table 5-1: Endpoint License Alarm

Alarm Field		Description	
Description	 This alarm is issued for the f When the number of en server (shown as 'IP Pho OVOC Server Manager L license capacity. When the number of ma OVOC server (shown in tor reaches its license capacity) 	dpoints currently running the sumber under 'Vo icense screen') approach anaged endpoints currenthe License screen Licen	ice Quality' in the nes or reaches its ntly running on the
SNMP Alarm	acEndpointLicenseAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.4	48	
Alarm Title	Endpoint License Alarm		
Alarm Source	Voice Quality/Management		
Alarm Type	Other		
Probable Cause	Key Expired		
Additional Info	Endpoint License capacity {(0} devices.	
Corrective Action	Contact your AudioCodes pa	artner ASAP	
Alarm Severity	Condition	Text	Corrective Action
Critical	Currently connected devices are equivelant to 100% of Endpoints License capacity.	Currently running devices reached 100% of Endpoints License capacity.	-
Major	Currently connected devices are equivelant to reached 80% of Endpoints License capacity.	Currently running devices reached 80% of Endpoints License capacity.	-
Clear	Clearing currently active	Clear - Clearing	-

Alarm Field		Description	
	alarm	currently active alarm.	

Endpoint Server Overloaded Alarm

Alarm Field	Description
Description	This alarm is issued when the Voice Quality Endpoint server process is overloaded with RFC 6035 Publish messages. This causes new RFC 6035 SIP PUBLISH messages () to be dropped from the queue for this process.
SNMP Alarm	acEndpointServerOverloadAlarm
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.49
Alarm Title	Endpoint Server Overloaded Alarm
Alarm Text	Voice Quality Endpoint Server Overloaded! New Publish Messages Dropped
Alarm Source	Voice Quality
Alarm Type	Other
Probable Cause	Queue Size exceeded
Severity	Critical
Corrective Action	Reduce the endpoint traffic load on the OVOC server.

IP Phone Speaker Firmware Download Failure

Alarm Field	Details
Description	This alarm is raised when the phone fails to download the HRS speaker firmware from the server (see Alarm Source).
SNMP Alarm	IPPhoneSpeakerFirmDownloadFailure
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.54
Alarm Title	IP Phone Speaker Firmware Download Failure

Alarm Field	Details
Alarm Source	The server from which the download was attempted: OVOC, WEB, HTTP, FTP
Alarm Type	communicationsAlarm(1)
Probable Cause	communicationsProtocolError(5)
Severity	Major, Clear
Additional Info	-
Corrective Action	 Ensure that the HRS speaker is connected to the Device Manager. Ensure that the compatible firmware file is loaded to the Device Manager.

IP Phone Speaker Firmware Upgrade Failure

Alarm Field	Description
Description	This alarm is raised when the phone fails to load the firmware to the HRS speaker.
SNMP Alarm	IP PhoneSpeakerFirmUpgradeFailure
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.55
Alarm Title	IP Phone Speaker Firmware Upgrade Failure
Alarm Source	The IP Phone
Alarm Type	communicationsAlarm(1)
Probable Cause	communicationsProtocolError(5)
Severity	Major, Clear
Additional Info	-
Corrective Action	Verify the USB connection between the phone and the HRS speaker.Verify the firmware file is compatible with the HRS speaker.

IP Phone Conference Speaker Connection Failure

Alarm Field	Description
Description	This alarm is raised when there is failure for the USB connection between the phone and the HRS speaker.
SNMP Alarm	IPPhone Conference Speaker Connection Failure
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.56
Alarm Title	IP Phone Conference Speaker Connection Failure
Alarm Source	The IP Phone
Alarm Type	communicationsAlarm(1)
Probable Cause	communicationsProtocolError(5)
Severity	Critical, Clear
Additional Info	-
Corrective Action	Check the USB connection between the HRS speaker and the phone.

IP Phone General Local Event

Table 5-2: IPPhone General Local Event

Alarm Field	Description
Description	This alarm provides information regarding the IP Phones internal operation.
SNMP Alarm	IPPhoneGeneralLocalEvent
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.57
Alarm Title	IP Phone General Local Event
Alarm Source	The IP Phone
Alarm Type	Other(0)

Alarm Field	Description
Probable Cause	Other(0)
Severity	Major
Additional Info	A 4-digit code that is used for support diagnostics.
Corrective Action	This alarm is for developer purposes only for additional troubleshooting of other alarms that are raised by the phone as described in this section.

IP Phone Web Successive Login Failure

Table 5-3: IP Phone Web Successive Login Failure

Alarm Field	Description		
Description	This alarm is raised when there are five successive failed login attempts to an IP phone's Web interface.		
SNMP Alarm	IPPhoneWebSuccessiveLoginF	ailure	
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.59)	
Alarm Title	IP Phone Web Successive Logi	in Failure	
Alarm Source	The IP Phone		
Alarm Type	SecurityServiceOrMechanismViolation(9)		
Probable Cause	Unauthorized Access Attempt (73)		
Additional Info	-		
Alarm Severity	Condition	Text	Corrective Action
Major	Issued on the fifth successive failed attempt to log in to the phone's Web interface	-	After the alarm is cleared, try to login to the Web interface using the correct username and password.

Alarm Field	Description		
			If you forget the login credentials, inform the network administrator.
Clear	There are no additional WEB login failed trials during a specific time period (60 seconds) after sending the alarm.	-	-

IP Phone Requires Reset

This alarm is send to advise the user to restart the phone, in the event where there is new Jabra HRS Speaker firmware available forupgrade and the HRS user choses not to upgrade firmware when prompted.
IPPhoneRequiresReset
1.3.6.1.4.1.5003.9.20.3.2.0.70
IP Phone Requires Reset
IPPhone requires reset
The IP Phone
EquipmentAlarm(4)
ConfigurationOrCustomizationError(7)
Major(4)
HRS IP Phone enters to limited mode and speaker is not available. To solve it, the phone has to be restarted.
 If the user chooses to upgrade, at the end of the process ,the phone is automatically restarted and the firmware is upgraded. If successful, the speaker becomes available. If the user chooses not to upgrade, the phone enters into limited

Alarm Field	Description
	services mode where the HRS speaker does not function as a Jabra device.

Jabra Firmware Upgrade Failed

Alarm Field	Description			
Description	This alarm is r device) fails.	This alarm is raised when the upgrade on the Jabra device (non-HRS device) fails.		
SNMP Alarm	JabraFirmwar	eUpgradeFailed		
SNMP OID	.1.3.6.1.4.1.50	003.9.20.3.2.0.7	9	
Alarm Source	Jabra Integrat	ion Service		
Alarm Title	Jabra Firmware Upgrade Failed			
Alarm Type	Communications Alarm			
Probable Cause	Communications Protocol Error			
Alarm Severity	Condition	<text></text>	Corrective Action	
Major	-	Jabra Verify that the firmware file that was Firmware attempted to download is a compatib Upgrade with the Jabra device. Failed		
Cleared	-	-		

VIP Endpoint is Not Registered or Offline

Alarm Field	Description
Description	This alarm is raised when the VIP endpoint is not registered or is offline. For example, the password for a VIP device in a conference room has expired.
SNMP Alarm	endpointVipUnregistered

Alarm Field	Description			
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.8	0		
Alarm Title	VIP Endpoint is Not Registered	/ Offline		
Alarm Source	OVOC Mgmt	OVOC Mgmt		
Alarm Type	Operational Violation			
Probable Cause	Authentication Failure			
Alarm Severity	Condition	<text></text>	Corrective Action	
Critical	The VIP endpoint is not registered with the IP-PBX. For example, Skype for Business.	VIP endpoint is in Unregistered/Offline	Re-register the endpoint.	
Clear	The VIP endpoint has re- registered with the IP-PBX.	VIP endpoint registered		

VIP Endpoint is Disconnected

Alarm Field	Description			
Description	This alarm is raised when a VIP endpoint is disconnected.			
SNMP Alarm	endpointVipDisconnected			
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.81			
Alarm Source	OVOC Mgmt			
Alarm Title	VIP Endpoint is Disconnected			
Alarm Type	Communications Alarm			
Probable Cause	Communications Subsystem Failure			
Alarm Severity	Condition <text> Corrective Action</text>			
Critical	The VIP endpoint has been disconnected with the OVOC	VIP Endpoint disconnected	Troubleshoot the VIP endpoint	

Alarm Field	Description		
	server.		communication.
Clear	The VIP endpoint connection with the OVOC server has been restored.	VIP Endpoint connected	

Remote Control Battery Drained

Alarm Field	Description		
Description	This alarms is raised when the battery life of the Remote-Control for the RXV80 android device is under 20%.		
SNMP Alarm	ippRemoteControlBatteryDra	ained	
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.9	1	
Alarm Source	IPPhone/ <mac address=""></mac>		
Alarm Title	Remote control Battery drained		
Alarm Type	Equipment Alarm		
Probable Cause	Equipment Malfunction		
Alarm Severity	Condition	<text></text>	Corrective Action
Warning	The battery life of the remote control for the Android device is under 20 %.	This Alarm is activated upon Remote-Control battery drained under 20 %	Replace the batteries.
Clear	The battery is replaced.		

Remote Control is not Connected

Alarm Field	Description
Description	This alarm is raised when the wireless connection between the RXV80 android device and its remote control is disconnected.

Alarm Field	Description		
SNMP Alarm	ippRemoteControlIsNotCo	nnected	
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0	0.92	
Alarm Source	IPPhone/ <mac address=""></mac>		
Alarm Title	Remote control is not con	nected	
Alarm Type	Equipment Alarm		
Probable Cause	Equipment Malfunction		
Alarm Severity	Condition	Alarm Text	Corrective Action
Warning	The wireless connection between the android device and its remote control is disconnected.	This alarm is activated upon Remote-Control was disconnected	Refer to the RXV80 manual and try to re-pair the remote con- troller.
Clear	The wireless connection is restored.		

USB Port Shutdown due to over Current Exceeded

Alarm Field	Description
Description	This alarm is raised when the USB port on the android device shuts down for 30 seconds, due to a current surge.
SNMP Alarm	ippUSBPortShutdownDueToOverCurrentExceeded
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.93
Alarm Source	IPPhone/ <mac address=""></mac>
Alarm Title	USB port shutdown due to over current exceeded
Alarm Type	Physical Violation
Probable Cause	Input Device Error

Alarm Field	Description		
Additional Info1	Disconnect the USB device from the phone and press OK to re enable the USB port.		
Additional Info2	Make sure that the USB port is used for USB headset only.		
Alarm Severity	Condition	Alarm Text	Corrective Action
Critical	This alarm is activated when the USB port on the android device shuts down for 30 seconds, due to a current surge.	This alarm is activated upon USB shutdown for 30 seconds, due to over current exceeded.	See above
Clear	USB port connection is restored.		

Peripheral Device is Missing

Alarm Field	Description
Description	When the bundle device parameter is set on either the RXV80 Video Collaboration Bar or RXV100 Meeting Room solution main devices, and then the peripheral device is disconnected from one of these main devices, an alarm is raised. This alarm is relevant for the following bundled peripherals:
	 RXVCAM50L RXVCAM50M RXVCAM10 RX10 RX15
SNMP Alarm	ippPeripheralDeviceIsMissing

Alarm Field	Description			
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.	2.0.96		
Alarm Title	Peripheral Device is Miss	sing		
Alarm Source	IPPhone/ <missing_peripheral_devicename>/<primary_device_mac> For example: IPPhone/*HD Camera RXVCam50M*/<mac_address></mac_address></primary_device_mac></missing_peripheral_devicename>			
Alarm Type	EquipmentAlarm	EquipmentAlarm		
Probable Cause	OtherProbCause			
Additional Info	-			
Alarm Severity	Condition	Text	CorrectiveAction	
Major	A bundled defined peripheral device is disconnected from the main device.	<missing device=""> device is missing, please plug it in.</missing>	Connect the missing device.	
Clear	Device is reconnected.			

IPP Server SSL Certificate Could Not Be Proven

Alarm Field	Description	
Description	This alarm is raised for peer server security errors when the IP phone does not trust the SSI certificate when attempting to establish a TLS connection with an external server.	
SNMP Alarm	ippServerSslCertificateCouldNotBeProven	
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.98	
Alarm Title	ipp Server Ssl Certificate Could Not Be Proven	
Alarm Source	IPPhone/ <server>/<mac></mac></server>	
Alarm Type	CommunicationsAlarm	

Alarm Field	Description		
Probable Cause	CommunicationsProtocolError		
Additional Info1			
Additional Info2			
Alarm Severity	Condition	Alarm Text	Corrective Action
Critical	Device does not trust the SSL certificate	<pre><server> could not be proven. Its secur- ity certificate is not trusted by the device. certificate Information: Issued to: Issued by: Valid from to</server></pre>	Verify the device certificate.
Cleared			

Device Acquired a New Certificate Event

Alarm Field	Description	
Description	Device acquired a new Device_Certificate, CA_Certificate or Root_CA_ Certificate by SCEP provisioning.	
SNMP Alarm	ippAcquiredANewSignedCertificate	
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.102	
Alarm Title	Device Acquired a New Certificate [Event]	
Alarm Source	source format: IPPhone/ <source_component>/<mac></mac></source_component>	
	source_component part 1: Device_Certificate, CA_Certificate, Root_CA_Certificate	
	source_component part 2: /SCEP/, /Provisioning/	
Alarm Type	Other	
Probable Cause	Other	
Additional	Certificate details: Subject, Issuer, SN, Expiration date	

Alarm Field	Description
Info1	
Additional Info2	
Severity	Indeterminate

Device Fails to Get Certificate

Alarm Field	Description
Description	Device fails to acquire Device_Certificate, CA_Certificate or Root_CA_ Certificate by SCEP due to Client error.
SNMP Alarm	ippFailsToGetASignedCertificate
SNMP OID	.1.3.6.1.4.1.5003.9.20.3.2.0.103
Alarm Title	Device fails to get certificate
Alarm Source	source format: IPPhone/ <source_component>/<mac></mac></source_component>
	source_component part 1: Device_Certificate, CA_Certificate, Root_CA_Certificate (future)
	source_component part 2: /SCEP/, /Provisioning/
Alarm Type	CommunicationsAlarm
Probable Cause	CommunicationsProtocolError
Additional	Failure reason:
Info1	Wrong root certificate fingerprint
	NDES Server failed to verify the request
	Gotten local cert is not valid
	■ NDES server error. Response code is X
	Client Error. Response code is X
	Reject response. Return code: X (in case of provisioning)
Additional Info2	

Alarm Field	Description		
Alarm Severity	Condition	Alarm Text	Corrective Action
Major	Device fails to acquire a new CA certificate by SCEP due to Client error.	Device fails to acquire CA Cer- tificate by SCEP due to Client Error. Response Code is 600	
Major	Device fails to acquire CA_Certificate by provisioning due to problems with Root_CA_Certificate, CA_Certificate, and Device_Certificate.	Device fails to acquire CA_Certificate by provisioning due to "Root_CA_Certificate" "CA_Certificate" "Device_Certificate" "Reject response. Return code: nnn"	

Teams Pairing Required

Alarm Field	Description
Description	Console device e.g. RX-PAD is not paired with its Host model.
SNMP Alarm	ippTeamsParingRequired
SNMP OID	1.3.6.1.4.1.5003.9.20.3.2.0.109
Alarm Title	Teams pairing Required
Alarm Source	PhoneProxyTeams
Alarm Type	Communication Alarm
Probable Cause	COMMUNICATIONS_PROTOCOL_ERROR
Additional Info1	PhoneProxyTeams
Additional Info2	

Alarm Field	Description		
Alarm Severity	Condition	Alarm Text	Corrective Action
Major	Teams console is not paired with its Host model.	Teams console is not paired with <host_ Model) e.g. RXV200/RXV81 in Teams- Level. Please pair console with <host Model> serial number < HostModel serial number ></host </host_ 	Pair console with it's Host model.
Cleared			

6 OVOC Managed Devices Alarms

This section describes the OVOC Managed Devices alarms.

Support Matrix

The table below categorizes all of the device alarms and indicates to which devices they are applicable. For each category, under the adjacent "Supported Device Types" column, all of the common supported alarms for this category are listed. For each individual alarm, under the adjacent "Supported Device Types" column, if all of the common alarms are supported "As above" is noted; however, if only specific devices support this alarm, then these device types are listed.

Alarm Type	Supported Device Types	
Common Alarms	All the alarms in Section Common Alarms are supported by all AudioCodes devices.	
Specific Hardware Alarms	Mediant 2600 E-SBCMediant 4000 SBCMediant 1000MP-1288	
Temperature Alarm on page 148	Mediant 1000Mediant 2600Mediant 4000	
Fan Tray Alarm on page 149	 MP-1288 Mediant 1000 Mediant 2600 Mediant 4000 	
Power Supply Alarm on page 150	 MP-1288 Mediant 1000 Mediant 2600 Mediant 4000. 	
HA System Alarms	Mediant 500 E-SBCMediant 800B GW & E-SBCMediant 3000/TP-6310	

Alarm Type	Supported Device Types	
	 Mediant 3000/TP-8410 Mediant 2600 E-SBC Mediant 4000 SBC Mediant 4000B SBC (3 x MPM) Mediant 9000 SBC Mediant VE SBC Mediant SE SBC 	
HA System Fault Alarm on page 151	As above	
HA System Configuration Mismatch Alarm on page 157	As above	
HA System Switch Over Alarm on page 158	As above	
Hitless Software Upgrade Alarm on page 159	 Mediant 2600 E-SBC Mediant 4000 SBC Mediant SE SBC Mediant VE SBC 	
Redundant Board Alarm on page 160	As above	
HA Network Watchdog Status Alarm on page 160	As above	
HA Network Watchdog Status Alarm on page 160	As above (except Mediant 3000)	
Cluster HA Alarm on page 174	Media Transcoding Cluster feature (Mediant 9000 SBC and Mediant VE SBC)	

Alarm Type	Supported Device Types
HA Network Mismatch Alarm on page 162	Mediant VE SBC on AWSMediant SE SBC on AWS
HA Network Monitor Alarm on page 163	As above
HA Ethernet Group Alarm on page 164	As above (except Mediant 3000)
License Pool Alarms	Supported by all devices from Version 7.0, except for the Mediant 2000 and Mediant 3000. In addition, the Transcoding session license is applicable only to the Mediant Virtual Edition and Mediant 9000.
License Pool Infra Alarm on page 165	As above
License Pool Application Alarm on page 167	As above
License Pool Over Allocation Alarm on page 167	As above
Floating License Alarms	Refer to the OVOC Release Notes for device support information.
Cloud License Manager Alarm on page 169	Supported for the Floating License "Cloud" mode.
Floating License Alarm - Not Enough Memory to Allocate 'Custom' Profile on page 169	Supported for the Floating License "Cloud" mode.
Flex License Manager Alarm on page 172	Supported for the Floating License "FlexPool" mode.
Mediant 2600 E- SBCand Mediant 4000 Alarms SBC	
DSP Farms Mismatch	Mediant 2600 E-SBC

Alarm Type	Supported Device Types	
Alarm on page 173	Mediant 4000 SBC	
Mediant 9000 and Software SBC Alarms	Mediant 9000 SBCMediant VE SBCMediant SE SBCMediant CE SBC	
Media Transcoder Network Failure on page 175	 Media Transcoding Cluster feature (Mediant VE SBC and Mediant 9000 SBC) Elastic Media Cluster feature (Mediant CE SBC) 	
Media Transcoder Software Upgrade Failure on page 176	 Media Transcoding Cluster feature (Mediant 9000 and Mediant VE SBC) Elastic Media Cluster feature (Mediant CE SBC) 	
Media Transcoder High Temperature Failure on page 177	Media Transcoding Cluster feature (Mediant 9000 and Mediant VE SBC)	
Media Transcoder Fan Tray Module Failure on page 178	Media Transcoding Cluster feature (Mediant 9000 and Mediant VE SBC)	
Media Transcoder Power Supply Module Failure on page 179	Media Transcoding Cluster feature (Mediant 9000 and Mediant VE SBC)	
Cluster Bandwidth Util- ization Alarm on page 180	Media Transcoding Cluster feature (Mediant 9000 and Mediant VE SBC)Elastic Media Cluster feature (Mediant CE SBC)	
Media Cluster Alarm on page 181	■ Elastic Media Cluster feature (Mediant CE SBC)	
Remote Interface Alarm on page 182	■ Elastic Media Cluster feature (Mediant CE SBC)	
AWS Security Role Alarm on page 184	■ Mediant VE SBC and Mediant CE SBC	
CDR Server Alarm on page 184	■ As above	

Alarm Type	Supported Device Types				
Metering Alarm on page 185	■ Mediant VE when deployed through the AWS Marketplace				
MC Not Secured Alarm on page 186	■ Mediant CE SBC				
TLS Certificate Mismatch Alarm on page 188	■ Mediant CE SBC				
MP-1288 Alarms	■ MP-1288 (not supported by the OVOC License Pool Manager)				
Module Service Alarm on page 197	As above				
Module Operation Alarm on page 198	As above				
Port Service Alarm on page 199	As above				
MSBR Alarms	Mediant 1000B MSBR, Mediant 800 MSBR Mediant MSBR 500L and Mediant 500 MSBR (for version 7.2 and later, MSBR and E-SBC are separate applications that reside on the same host platform ¹)' Mediant 500Li MSBR				
WAN Link Alarm on page 200	As above				
Power Over Ethernet Status [Event] on page 201	Mediant 800 MSBR				
Wireless Cellular Modem Alarm on page 202	Mediant 500 MSBRMediant 500L MSBRMediant 800 MSBR				
Wireless Cellular Modem Status Changed on page 202	Mediant 500 MSBRMediant 500L MSBRMediant 800 MSBR				

 $^{^{1}\}mbox{Refer}$ to SBC-Gateway-MSBR Series Release Notes for details.

Alarm Type	Supported Device Types			
Data Interface Status on page 203	As above			
NQM Connectivity Alarm on page 204	Mediant 800 MSBR			
NQM RTT Alarm on page 204	Mediant 800 MSBR			
NQM Jitter Alarm on page 205	Mediant 800 MSBR			
NQM Packet Loss Alarm on page 206	Mediant 800 MSBR			
NQM MOS CQ Alarm on page 207	Mediant 800 MSBR			
NQM MOS LQ Alarm on page 208	Mediant 800 MSBR			
Mediant 3000	Mediant 3000/TP-6310			
Hardware Alarms	Mediant 3000/TP-8410			
PEM Module Alarm on page 209	As above			
SA Module Missing Alarm on page 210	As above			
User Input Alarm on page 211	As above			
TM Inconsistency on page 211	As above			
TM Reference Status on page 212	This alarm applies only to the Mediant 3000 using the BITs Synchronization Timing mode.			
TM Reference Change on page 212	As above			
PSTN Trunk Alarms	■ Mediant 500 Gateway & E-SBC			

Alarm Type	Supported Device Types			
	Mediant 500 MSBRMediant 800B Gateway & E-SBC			
	Mediant 800B MSBR			
	Mediant 1000B Gateway & E-SBC			
	Mediant 3000			
	For version 7.2 and later, MSBR and E-SBC are separate applications that reside on the same host platform ¹)			
D-Channel Status on page 213	As above			
SONET Section LOS Alarm on page 215	■ Mediant 3000/TP-6310			
SONET Line AIS Alarm on page 215	■ Mediant 3000/TP-6310			
SONET Line RDI Alarm on page 216	■ Mediant 3000/TP-6310			
SONET/SDN IF Failure Alarm on page 217	■ Mediant 3000/TP-6310			
Trunk LOS Alarm on	Mediant 500 E-SBC			
page 218	Mediant 500 MSBR			
	Mediant 800B Gateway & E-SBC			
	Mediant 800B MSBR			
	Mediant 850 MSBR			
	Mediant 1000B MSBR			
	Mediant 1000B GW & E-SBC			
	Mediant 3000/TP-8410			
Trunk LOF Alarm on page 218	■ Mediant 500 E-SBC			

 $^{^{1}\}mbox{Refer}$ to SBC-Gateway-MSBR Series Release Notes for details.

Alarm Type	Supported Device Types			
	Mediant 500 MSBR			
	Mediant 800B Gateway & E-SBC			
	Mediant 800B MSBR			
	Mediant 850 MSBR			
	Mediant 1000B MSBR			
	Mediant 1000B GW & E-SBC			
	Mediant 3000/TP-8410			
Trunk AIS Alarm on	Mediant 500 E-SBC			
page 219	Mediant 500 MSBR			
	Mediant 800B Gateway & E-SBC			
	Mediant 800B MSBR			
	Mediant 850 MSBR			
	Mediant 1000B MSBR			
	Mediant 1000B GW & E-SBC			
	Mediant 3000/TP-8410			
Trunk RAI Alarm on	Mediant 500 E-SBC			
page 220	Mediant 500 MSBR			
	Mediant 800B Gateway & E-SBC			
	Mediant 800B MSBR			
	Mediant 850 MSBR			
	Mediant 1000B MSBR			
	Mediant 1000B GW & E-SBC			
	Mediant 3000/TP-8410			
V5.2 Interface Alarm on page 221	■ Mediant 3000/TP-8410			
SONET Path STS LOP Alarm on page 222	■ Mediant 3000/TP-6310			
SONET Path STS AIS Alarm on page 222	■ Mediant 3000/TP-6310			

Alarm Type	Supported Device Types				
SONET Path STS RDI Alarm on page 223	Mediant 3000/TP-6310				
SONET Path Unequipped Alarm on page 224	Mediant 3000/TP-6310				
SONET Path Signal Label Alarm on page 224	■ Mediant 3000/TP-6310				
SONET Path Signal Label Alarm on page 224	Mediant 3000/TP-6310				
DS1 Line Status Alarm on page 225	As above				
DS3 AIS Alarm on page 227	Mediant 3000/TP-6310				
DS3 LOF Alarm on page 227	■ Mediant 3000/TP-6310				
DS3 LOS Alarm on page 228	■ Mediant 3000/TP-6310				
NFAS Group Alarm on page 229	As above				
B Channel Alarm on page 229	As above				
	Mediant 500 E-SBC				
	Mediant 500L E-SBC				
	Mediant 500 MSBR				
Analog Port Alarms	Mediant 500L MSBR				
	Mediant 500L GW & E-SBC				
	Mediant 800B Gateway & E-SBC				
	Mediant 800B MSBR				
	Mediant 850 MSBR				

Alarm Type	Supported Device Types				
	 Mediant 1000B MSBR Mediant 1000B GW & E-SBC (for version 7.2 and later, MSBR and E-SBC are separate applications that reside on the same host platform¹) 				
Analog Port SPI Out of Service on page 230	As above				
Analog Port High Temperature on page 231	As above				
Analog Port Ground Fault Out-of-Service Alarm on page 231	As above				
Dial Plan File Replaced Trap on page 232	As above				
Analog Line Left Off Hook Alarm on page 232	As above				

Common Device Alarms

Board Fatal Error

Alarm Field	Description			
Description	This alarm is sent whenever a fatal device error occurs.			
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 Source				
Alarm Type	equipmentAlarm			

 $^{^{1}\}mbox{Refer}$ to SBC-Gateway-MSBR Series Release Notes for details.

Alarm Field	Description					
Probable Cause	underlyingResourceUnavailable (56)					
Additional Info	-	-				
Alarm Severity	Condition	Text	CorrectiveAction			
Critical (default)	Any fatal error	Board Fatal Error: A run- time specific string describing the fatal error	 Capture the alarm information and the Syslog clause, if active. Contact AudioCodes' Support Center at support@AudioCodes.com which will want to collect additional data from the device and perform a restart. 			
Stays 'Critical' until reboot. A 'Clear' trap is not sent.	Any fatal error	-	-			

Entity Configuration Change

Alarm Field	Description				
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				

Alarm Field	Description
Additional Info1,2,3	-
Corrective Action	-

Configuration Error

Alarm Field	Description				
Description	Sent when the device's settings are invalid. The trap contains a message stating/detailing/explaining the invalid setting.				
SNMP Alarm	acBoardConfigurationError				
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.2				
Alarm Title	[Event] Configuration Error				
AlarmType	equipmentAlarm				
Probable Cause	underlyingResourceUnavailable (56)				
Alarm Severity	Condition	Text		Corrective Action	
Critical(default)	A configuration error was detected	Board Config Error: A run-time specific string describing the configuration error		Check the run-time specific string to determine the nature of the configuration error.	
Stays 'Critical' until reboot. A 'Clear' trap is	After configuration error	-		Fix the configuration error using the appropriate tool: Web interface, OVOC, or ini file.	
not sent.				Save the configuration and if necessary restart the device.	

Initialization Ended

Alarm Field	Description
Description	This alarm 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

Board Resetting Following Software Reset

Alarm Fields	Description		
Description	This alarm indicates that the device has started the restart process - following a software restart.		
SNMP Alarm	acBoardEvReset	tingBoard	
SNMP OID	1.3.6.1.4.1.5003	.9.10.1.21.2.0.5	
Alarm Title	Board Resetting	Following Softv	vare Reset
Alarm Source	-		
Alarm Type	equipmentAlarm		
Probable Cause	outOfService (71)		
Alarm Severity	Condition Text Corrective Action		Corrective Action
Critical	When the device is restart	"Device is resetting"	A network administrator has restart the device. Corrective action is not required. The alarm remains at Critical severity

Alarm Fields		Description
	through the Web interface or SNMP	level until the device completes the reboot. A Clear trap is not sent.

Feature Key Related Error

Table 6-1: Feature Key Related Error

Alarm Field	Description
Description	Sent to relay Feature Key errors etc.
SNMP Alarm	acFeatureKeyError
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.6
Alarm Title	Feature Key Related Error
Alarm Type	processingErrorAlarm
Severity	Critical
Probable Cause	configurationOrCustomizationError (7)
Alarm Text	Feature key error
Note	Support for this alarm is pending.

Gateway Administrative State Changed

Alarm Field	Description	
Description	This alarm indicates that the administrative state of the gateway has been changed to a new state.	
	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.'	

Alarm Field		Description	
	When reaching lock state - 'GateWay is locked'When the gateway is SET to unlocked - 'GateWay is unlocked (fully active again)'		
SNMP Alarm	acgwAdminStateChan	ge	
SNMP OID	1.3.6.1.4.1.5003.9.10.	1.21.2.0.7	
Alarm Title	Administrative State C	hange	
Alarm Type	processingErrorAlarm		
Probable Cause	outOfService (71)		
Alarm Severity	Condition	Text	Corrective Action
Major (default)	Admin state changed to shutting down	Network element admin state change alarm: Gateway is shutting down. No time limit.	No corrective action is required. A network administrator took an action to gracefully lock the device.
Major	Admin state changed to locked	Locked	No corrective action is required. A network administrator took an action to lock the device, or a graceful lock timeout occured.
Cleared	Admin state changed to unlocked	-	No corrective action is required. A network

Alarm Field	Description	
		administrator has taken an action to unlock the device.

No Free Channels Available

Alarm Field		Description	n	
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	acBoardCallResourc	esAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.1	0.1.21.2.0.8		
Alarm Title	No Free Channels Av	vailable		
AlarmType	processingErrorAlar	m		
Alarm Source	'GWAPP'	'GWAPP'		
Probable Cause	softwareError (46)			
Alarm Severity	Condition	Condition Text Corrective Action		
Major (default)	Percentage of Call resources Expand system capacit adding more channels exceeds the predefined RAI high threshold Expand system capacit adding more channels (trunks) -OR-Reduce traffic		(trunks) -OR-	
Cleared	Percentage of busy channels falls below the predefined RAI low threshold	-	Note that to enable this alarm, the Remote Alarm Indication (RAI) mechanism must be activated (EnableRAI = 1).	

Gatekeeper/Proxy not Found or Registration Failed

Alarm Field	Description		
Description	The alarm is sent in the following scenarios:		
	Physical FXO port is up or down (Out-of-Service or OOS). The FXO line can be down due to, for example, port disconnected or insufficient current and voltage. (Syslog message event is ANALOG_IF_LINE_DISCONNECTED.)		
	Physical BRI or PRI (E1/T1) port	is up or down (OOS).
	Proxy is not found or registratio routing table may be used for ro		
	Connection to the Proxy is up or	down.	
	Failure in TDM-over-IP call - tran	nsparent E1/T1 with	nout signalling.
	Connection to the Proxy Set assuup/down.	ociated with the tru	unk/line is
	Failure in server registration for	the trunk/line.	
	Failure in a Serving IP Group for	the trunk.	
	Failure in a Proxy Set.		
SNMP Alarm	acBoardControllerFailureAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.9		
Alarm Source	'GWAPP'		
Alarm Title	Proxy not Found or Registration Failed		
Alarm Type	processingErrorAlarm		
Probable Cause	softwareError (46)		
Alarm Severity	Condition	Text	Additional Information
Major (default)	FXO physical port is down	"BusyOut Line n Link failure" Where n represents the FXO port number (0 for the first port).	Verify that the FXO line is securely cabled to the device's FXO port.

Alarm Field	Desc	ription	
	BRI or PRI physical port is down	"BusyOut Trunk n Link failure" Where n represents the BRI or PRI port number (0 for the first port).	Verify that the digital trunk is securely cabled to the device's digital port.
	Proxy has not been found or registration failure	"Proxy not found. Use internal routing" -OR- "Proxy lost. Looking for another Proxy"	 Check the network layer Make sure that the proxy IP and port are configured correctly.
	Connection to Proxy is down	"BusyOut Trunk/Line n Connectivity Proxy failure"	-
	Connection to the Proxy Set associated with the trunk or line is down	"BusyOut Trunk/Line n Proxy Set Failure" Where n represents the BRI/ PRI trunk or FXO line.	-
	Failure in a Proxy Set	"Proxy Set ID n" Where n represents the Proxy Set ID.	-
	Failure in TDM-over-IP call	"BusyOut Trunk n TDM over IP failure (Active calls x	-

Alarm Field	Description		
		Min y)" Where n represents the BRI/ PRI trunk.	
	Failure in server registration for the trunk/line	"BusyOut Trunk/Line n Registration Failure" Where n represents the BRI/ PRI trunk or FXO line.	-
	Failure in a Serving IP Group for the trunk	"BusyOut Trunk n Serving IP Group Failure" Where n represents the BRI or PRI trunk ID.	-
Cleared	Proxy is found. The 'Cleared' message includes the IP address of this Proxy.	-	-

Ethernet Link Down Alarm

Alarm Field	Description
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 Field	Description		
Alarm Title	Ethernet Link Down Alarm		
Alarm Source	All except Mediant 3000: Board# <n>/EthernetLink#0 (where n is the slot number) Mediant 3000: Chassis#0/Module#<n>/EthernetLink#0 (where n is the blade's slot number) This trap relates to the Ethernet Link Module (the #0 numbering doesn't apply to the physical Ethernet link).</n></n>		
Alarm Type	equipmentAlarr	n	
Probable Cause	underlyingReso	underlyingResourceUnavailable (56)	
Alarm Severity	Condition	Text	Corrective Action
Major	Fault on single interface	Ethernet link alarm: Redundant link is down	Ensure that both Ethernet cables are plugged into the back of the system.Observe the system's Ethernet link
Critical (default)	Fault on both interfaces	No Ethernet link	lights to determine which interface is failing. Reconnect the cable or fix the network problem
Cleared	Both interfaces are operational	-	Note that the alarm behaves differently when coming from the redundant or the active modules of a High Availability (HA) system. The alarm from the redundant is raised when there is an operational HA configuration in the system. There is no critical severity for the redundant module losing both its Ethernet links as that is conveyed in the no HA alarm that follows such a case.

System Component Overloaded

Alarm Field	Description
Description	This alarm is raised when there is an overload in one or more of the

Alarm Field	Description		
	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 Ove	erloaded	
Alarm Source	'GWAPP'		
Alarm Type	processingErrorAlarm		
Probable Cause	softwareError (46)		
Alarm Severity	Condition	Text	Corrective Action
Major (default)	An overload condition exists in one or more of the system components	"System CPU overload condition - IdleUtilization percentage=%d" Where %d is the percentage of available CPU resources remaining	 Make sure that the syslog level is 0 (or not high). Make sure that DebugRecording is not running. If the system is configured correctly, reduce traffic.
Cleared	The overload condition passed	"System CPU overload condition - IdleUtilization percentage=%"	-

Active Alarms Table Overflow

Table 6-2: Active Alarms Table Overflow

Alarm Field	Description
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

Alarm Field	Description
	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.

Operation State Change [Node]

Table 6-3: Operational State Change

Description	This alarm is raised when node state has changed.			
SNMP Alarm	acARMOperatio	nStatusChanged		
SNMP OID	1.3.6.1.4.1.5003	1.3.6.1.4.1.5003.9.70.1.2.2.0.1		
Alarm Title	Operation Status Changed			
Alarm Source	Node # elementName			
Alarm Type	Communications Alarm			
Probable Cause	Communications Subsystem Failure			
Alarm	Condition	Text	Corrective Action	

Severity			
Major (default)	Operational state changed to disabled	Node {ele- mentName} was marked as {status}	In IP systems, check for initialization errors - in IP systems the operational state of the node is disabled if the device fails to properly initialize.
			Look for other alarms and Syslogs that might provide additional information about the error.
Cleared	Operational	-	In case state is unavailable:
	state changed to available		■ Validate that Node is available in WEB interface / OVOC
			Check device network connectivity
			Check the device's network connectivity to the ARM Configurator
			Validate that proper Node credentials updated in ARM
			In case state is logged out:
			Check the ARM configuration in the device
			In case state is Unrouteable:
			Check the device network connectivity to the ARM routers
			Check router status and availability

Keep Alive Trap

Alarm Field	Description
Description	Part of the NAT traversal mechanism. If the STUN application in the device detects a NAT, this trap is sent on a regular time laps - 9/10 of the acSysSTUNBindingLifeTime object. The AdditionalInfo1 varbind has the

Alarm Field	Description
	MAC address of the device.
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 (0)
Probable Cause	other (0)
Default Severity	Indeterminate
Event Text	Keep alive trap
Status Changes	-
Condition	The STUN client is enabled and identified as a NAT device or doesn't locate the STUN server. The ini file contains the following line 'SendKeepAliveTrap=1'
Trap Status	Trap is sent
Note	Keep-alive is sent every 9/10 of the time defined in the parameter NatBindingDefaultTimeout.

NAT Traversal Alarm

Alarm Field	Description
Description	This alarm is sent when the NAT is placed in front of a device and is identified as a symmetric NAT. It is cleared when a non-symmetric NAT or no NAT replace the symmetric one.
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 Field	Description
Alarm Type	other (0)
Alarm Source	MG
Probable Cause	other (0)
Severity	Indeterminate
Additional Info1,2,3	-
Status Changes	The STUN client in the device is enabled and has either identified a NAT or is not finding the STUN server. Keep-alive is sent out every 9/10 of the time defined in the 'NatBindingDefaultTimeout' parameter.
Corrective Action	See http://tools.ietf.org/html/rfc5389

Enhanced BIT Status Trap

Alarm Field	Description
Description	Sent for the status of the BIT (Built In Test). The information in the trap contains blade hardware elements being tested and their status. The information is presented in the Additional Info fields.
SNMP Alarm	acEnhancedBITStatus
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.18
Alarm Title	Enhanced BIT Status
Alarm Source	BIT
Alarm Type	Other
Severity	Indeterminate
Probable Cause	other (0)
Alarm Text	Notification on the board hardware elements being tested and their status.

Alarm Field	Description
Corrective Action	-

Threshold of Performance Monitored Object Exceeded

Alarm Field	Description
Description	Sent every time the threshold of a Performance Monitored object (counter or gauge) ('Minimum', 'Average', 'Maximum', 'Distribution below/above/between thresholds', and 'Low and high thresholds') is crossed. The severity field is 'Indeterminate' when the crossing is above the threshold and 'Cleared' when it goes back under the threshold. The 'Source' varbind in the trap indicates the object for which the threshold is being crossed.
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 Source	MO Path
Alarm Type	Other
Probable Cause	Other
Severity	Indeterminate (this is a notification; it's not automatically cleared)
Additional Info1,2,3	-
Corrective Action	-

HTTP Download Result

Alarm Field	Description
Description	This is a log message (not alarm) indicating both successful and failed HTTP Download result.
SNMP Alarm	acHTTPDownloadResult

Alarm Field	Description
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	There are other possible textual messages describing NFS failures or success, FTP failure or success.
Corrective Action	-

IPv6

Alarm Field	Description
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
Alarm Source	System#0/Interfaces# <n>.</n>
Alarm Type	operationalViolation
Probable Cause	communicationsProtocolError
Additional Info	Status stays critical until reboot. A clear trap is not sent.
Corrective Action	Find a new IPV6 address and reboot.

Alarm Field	Description		
Alarm Severity	Condition	Text	Corrective Action
Critical (default)	Bad IPv6 address (already exists)	IP interface alarm: IPv6 configuration failed, IPv6 will be disabled.	Find a new IPV6 address.Reboot the device.
Stays 'Critical' until reboot. A 'Clear' trap is not sent.	After the alarm is raised.	-	-

SAS Emergency Mode Alarm

Alarm Field	Description
Description	This alarm is sent by the Stand-Alone Survivability (SAS) application when switching from "Normal" mode to "Emergency" mode. This alarm is cleared once the SAS returns to "Normal" mode.
SNMP Alarm	acGWSASEmergencyModeAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.59
Alarm Title	GW SAS Emergency Mode Alarm
Alarm Source	-
Alarm Type	Other
Probable Cause	Other
Severity	-
Additional Info	-
Corrective Action	Check network communication with the Proxy

Software Upgrade Alarm

Alarm Field	Description			
Description	This alarm is generated when the Software upgrade failure occurs.			
SNMP Alarm	acSWUpgrade	Alarm		
SNMP OID	1.3.6.1.4.1.50	1.3.6.1.4.1.5003.9.10.1.21.2.0.70		
Alarm Title	Software Upgi	Software Upgrade alarm		
Alarms Source	System#0			
Alarm Type	processingErrorAlarm			
Probable Cause	softwareProgramError			
Alarm Severity	Condition	Text	Corrective Action	
Major (default)	Raised upon software upgrade errors	SW upgrade error: Firmware burning failed. Startup system from Bootp/tftp.	Start up the system from BootP/TFTP.	

NTP Server Status Alarm

Alarm Field	Description
Description	This alarm is raised when the connection to the NTP server is lost. It is cleared when the connection is reestablished. Unset time (as a result of no connection to NTP server) may result in functionality degradation and failure in device.
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

Alarm Field	Description		
Probable Cause	communicationsSubsystemFailure		
Alarm Severity	Condition	<text></text>	Corrective Action
Major (default)	No initial communication to Network Time Protocol (NTP) server.	NTP server alarm. No connection to NTP server.	Repair NTP communication (the NTP server is down or its IP address is configured incorrectly in the device).
Minor	No communication to NTP server after the time was already set once.	-	-

LDAP Lost Connection

Alarm Field	Description
Description	This alarm is raised when there is no connection to the LDAP server.
SNMP Alarm	acLDAPLostConnection
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.75
Alarm Title	LDAP Lost Connection
Alarm Source	-
Alarm Type	communicationsAlarm
Probable Cause	communicationsSubsystemFailure If a connection is idle for more than the maximum configured time in seconds that the client can be idle before the LDAP server closes the connection, the LDAP server returns an LDAP disconnect notification and this alarm is raised.
Severity	Minor / Clear
Additional Info	-
Corrective Action	-

SSH Connection Status [Event]

Alarm Field	Description
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	-

OCSP Server Status Alarm

Alarm Field	Description		
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 Source	-		
Alarm Type	communicationsAlarm		
Probable Cause	communications Subsystem Failure		
Severity	Major / Clear		
Additional Information	-		
Corrective Action	Repair the Online Certificate Status Protocol (OCSP) server		
	-OR-		

Alarm Field	Description
	Correct the network configuration

Media Process Overload Alarm

Alarm Field	Description		
Description	This alarm is raised when the 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	-		

Ethernet Group Alarm

Alarm Field	Description			
Description	This alarm is raised when the in an Ethernet port-pair group (1+1) has no Ethernet port with its link up and is cleared when at least one port has established a link.			
SNMP Alarm	acEthernetGroupAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.86			
Alarm Title	Ethernet Group alarm			
Alarm Source	Board#%d/EthernetGroup#%d			

Alarm Field	Description
Alarm Type	equipmentAlarm
Probable Cause	underlyingResourceUnavailable
Severity	major
Additional Info	-
Corrective Action	-

Media Realm BW Threshold Alarm

Alarm Field	Description		
Description	This alarm is raised when a BW threshold is crossed and is cleared when the BW threshold returns to normal range.		
SNMP Alarm	acMediaRealmBWThresholdAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.87		
Alarm Title	Media Realm BW Threshold Alarm.		
Alarm Source	Board#%d/MediaRealm#%d		
Alarm Type	processingErrorAlarm		
Probable Cause	resourceAtOrNearingCapacity		
Severity	major		
Additional Info	-		
Corrective Action	-		

Certificate Expiry Notification

Alarm Field			Description	
Description		This alarm is sent before the expiration of the installed certificate and after it has expired.		
SNMP Alarm		acCertificateExpiry	acCertificateExpiryNotification	
SNMP OID		1.3.6.1.4.1.5003.9.10.1.21.2.0.92		
Alarm Title		Certificate Expiry Notification		
Alarm Source		tls# <num></num>		
Alarm Type		environmentalAlar	m	
Probable Cause		The certificate key	expired (keyExpired)	
Alarm Severity	Condition	Text	Corrective Action	
Intermediate	The certificate key is about to expire.	Either: The device certificate has expired %d days ago The device certificate will expire in %d days The device certificate will expire in less than 1 day %d – number of days %d – TLS Context to which certificate belongs	Load a new certificate to the device before the expiration of the installed certificate (which cannot be renewed automatically). To replace certificates, refer to the device's User's Manual.	

Web User Access Disabled

Alarm Field	Description			
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	The Web user was disabled due to inactivity (denialOfService).			
Severity	indeterminate			
Additional Info	-			
Corrective Action	Contact your Web security administrator. Only the Web security administrator can unblock a user whose access to the Web interface was denied (for example, because the user made 3 unsuccessful attempts at access). The Web security administrator must:			
	In the Web interface, access the Accounts page (Configuration > System > Management > Web User Accounts).			
	Identify in the list of users table that user whose access has been denied.			
	Change the status of that user from Blocked to Valid or New.			

Proxy Connection Lost

Alarm Field	Description		
Description	This alarm is sent when all connections in a specific Proxy Set are down. The trap is cleared when one of the Proxy Set connections is up.		
SNMP Alarm	acProxyConnectionLost		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.94		

Alarm Field	Description			
Alarm Title	Proxy Connection Lost			
Alarm Source	System#0	System#0		
Alarm Type	communications	Alarm		
Probable Cause	Proxy issue (ue (connection fail due proxy is down). device issue.	e to network/routing failure).	
Alarm Severity	Condition	Text	Corrective Action	
Major	When connection to the Proxy Set is lost and this Proxy Set is configured with fallback to routing table.	Proxy Set %d: Proxy not found. Use internal routing	 Ping the proxy server. If there is no ping, contact your proxy provider. The probable reason is the proxy is down. Ping between the proxy and AudioCodes device. If there is no ping, the problem could be a network/router issue. If you have more than one device connected to this same proxy, check if there are more AudioCodes devices with the same Alarm. If this is the case, this could confirm that this is not AudioCodes device issue. Check that routing using the device's (internal) routing table is functioning correctly. Contact AudioCodes support center (support@AudioCodes.com) and send a syslog and network capture for this issue. 	
Major	When Proxy Set includes	Proxy Set %d: Proxy lost.	Ping the proxy server. If there is no ping, contact your	

Alarm Field	Description		
	more than one proxy IP with redundancy and connection to one of them is lost.	looking for another proxy	proxy provider. The probable reason is the proxy is down. Ping between the proxy and AudioCodes device. If there is no ping, the problem could be a network/router issue. If you have more than one device connected to this same proxy, check if there are more AudioCodes devices with the same Alarm. If this is the case, this could confirm that this is not AudioCodes device issue. Check if routing via the redundant proxy is operating correctly. If it is, then this could mean that it's not a network issue. Contact AudioCodes support center (support@AudioCodes.com) and send a syslog and network capture for this issue.
Cleared	When connection to proxy is available again	Proxy found. ip: <ip address="">:<port #=""> Proxy Set ID %d</port></ip>	

IDS Policy Alarm

Alarm Field	Description
Description	The alarm is raised whenever a threshold is crossed in the IDS system. The alarm is associated with the MO pair IDSMatch & IDSRule.
SNMP Alarm	acIDSPolicyAlarm

Alarm Field	Description
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.99
Alarm Title	IDS Policy Alarm
Default Severity	-
Alarm Type	Other
Probable Cause	-
Alarm Text	Policy NUM (NAME) minor/major/critical threshold (NUM) of REASON cross in global/ip/ip+port scope (triggered by IP)
Status Changes	-
Corrective Action	Identify additional traps (acIDSThresholdCrossNotification) that were sent alongside this Intrusion Detection System (IDS) alarm.
	Locate the remote hosts (IP addresses) that are specified in the traps.
	Examine the behavior of those hosts (with regard to the reason specified in the alarm), and attempt to fix incorrect operation.
	If necessary, change the configured thresholds in the IDS Rule table under the IDS Policy table.

IDS Threshold Cross Notification

Alarm Field	Description
Description	This notiofication is sent for each scope (IP or IP+Port) crossing a threshold of an active alarm.
SNMP Alarm	acIDSThresholdCrossNotification
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.100
Default Severity	-
AlarmType	Other
Probable Cause	-

Alarm Field	Description
Alarm Text	Threshold cross for scope value IP. Severity=minor/major/critical. Current value=NUM
Status Changes	-
Corrective Action	 Identify the remote host (IP address / port) on the network which the Intrusion Detection System (IDS) has indicated is malicious Note that the IDS determines a host to be malicious if it has reached or exceeded a user-defined threshold of malicious attacks(counter). Block the malicious activity

IDS Blacklist Notification

Alarm Field	Description
Description	This alarm notifies when an IP address has been added or removed from a blacklist.
SNMP Alarm	acIDSBlacklistNotification
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.101
Default Severity	-
Alarm Type	securityServiceOrMechanismViolation
Probable Cause	thresholdCrossed
Alarm Text	Added IP * to blacklist
	Removed IP * from blacklist
Status Changes	-
Corrective Action	Identify the malicious remote host (IP address / port) that the Intrusion Detection System (IDS) has automatically blacklisted or removed from the blacklist.

Alarm Field	Description		
	A host is determined to be malicious if it has reached or exceeded a user-defined threshold of malicious attacks (counter). The malicious source is automatically blacklisted for a user-defined period, after which it is removed from the blacklist.		

Proxy Connectivity

Alarm Field		Descrip	otion
Description	Sent when a connection to a specific proxy in a specific Proxy Set is down. The trap is cleared when the proxy connections is up.		
SNMP Alarm	acProxyConnect	tivity	
SNMP OID	1.3.6.1.4.1.5003	3.9.10.1.21.2.0.102	
Alarm Source	System#0		
Alarm Type	communication	sAlarm	
Probable Cause	 Network issue (connection fail due to network/routing failure). Proxy issue (proxy is down). AudioCodes device issue. 		
Alarm Severity	Condition	Text	Corrective Action
Indeterminate	When connection to the proxy server is lost.	Proxy server <ip address>:<port> is now OUT OF SERVICE</port></ip 	Ping the proxy server. If there is no ping, contact your proxy provider. The probable reason is the proxy is down.
			Ping between the proxy and AudioCodes device. If there is no ping, the problem could be a network/router issue.
			If you have more than one device connected to this same proxy, check if there are more AudioCodes

Alarm Field	Description		
			devices with the same trap event. If this is the case, this could confirm that this is not AudioCodes device issue. Contact AudioCodes support center (support@AudioCodes.com) and send a syslog and network capture for this issue.
Cleared	When connection to the proxy is available again	Proxy server <ip address>:<port> is now IN SERVICE</port></ip 	

Web User Activity Log Trap

Alarm Field	Description
Description	Sent upon log (Syslog) generated by device indicating a Web user action (configured by ActivityListToLog). The SNMP trap notification functionality is enabled by the EnableActivityTrap parameter (refer to the User's Manual).
SNMP Alarm	acActivityLog
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.105
Alarm Title	Web User Activity Log Trap
Alarm Type	other (0)
Probable Cause	other (0)
Default Severity	Indeterminate
Trap Text	[description of activity].User: <username>. Session: <session type="">[IP address of client (user)]. For example:</session></username>
	"Auxiliary file loading was changed from '0' to '1', User:Admin. Session:

Alarm Field	Description
	WEB [172.17.125.12]
Note	Activity log event is applicable to the following OAMP interfaces: SNMP, Web, CLI and REST. For SNMP activity, the username refers to the SNMP community string.

HTTP Proxy Service Alarm

Alarm Fields	Description			
Description	Sent when an HTTP host specified in the Upstream Groups table is down. The trap is cleared when the host is back up.			
SNMP Alarm	acHTTPProxyServiceAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.	21.2.0.108		
Alarm Title	HTTP Proxy Service Alar	m		
Alarm Source	System#0/HTTPProxySe	System#0/HTTPProxyService# <num> System#0/EMSService#<num></num></num>		
Alarm Type	communicationsAlarm			
Probable Cause	 Network issue (connection fail due to network/routing failure) Host issue (host is down) Device issue 			
Severity	Condition	Text	Corrective Action	
Major	When connection to the Upstream Host is lost.	"HTTP Proxy Upstream Host IP:Port (Host #n in Upstream Group	 Ping the host. If there is no ping, contact your provider. The probable reason is that the host is down. Ping between the host and the device. If there is no ping, the problem could be a net- 	

Alarm Fields	Description		
		name) is OFFLINE"	work/router issue. 3. Check that routing using the device's (internal) routing table is functioning correctly. 4. Contact AudioCodes support center (support@AudioCodes.com) and send a syslog and network capture for this issue.
Clear	When connection to service is available again.	-	-

Answer-Seizure Ratio Threshold Alarm

Alarm Field	Description			
Description	The Answer-Seizure Ratio (ASR) measures the percentage of answered calls relative to the total number of attempted calls (seizures). The alarm is raised when the configured ASR minor and major thresholds are crossed (configured in the Performance Profile table).			
SNMP Alarm	acASRThresholdAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.22	1.2.0.111		
Alarm Title	ASR Threshold Crossed	ASR Threshold Crossed		
Alarm Source	The object for which the threshold is crossed can be any of the following: PM_gwSBCASR PM_gwSBCIPGroupASR PM_gwSBCSRDASR			
Alarm Type	QualityOfServiceAlarm			
Probable Cause	ThresholdCrossed			
Severity	Condition	<text></text>	Corrective Action	
Major	ASR is equal or less	"ASR threshold		

Alarm Field	Description		
	than the configured Major threshold.	crossed."	
Minor	ASR is equal or less than the configured Minor threshold (but greater than the Major threshold).	"ASR threshold crossed."	
Cleared	ASR is above the configured Minor threshold plus the hysteresis.	-	

Average Call Duration Threshold Alarm

Alarm Field	Description	
Description	The Average Call Duration (ACD) plus the SDD (Session Disconnect time) measures the average call duration from the time from when the sip Bye is sent to the time when the 200 OK is received. The alarm is raised when the configured ACD minor and major thresholds are crossed (configured in the Performance Profile table).	
SNMP Alarm	acACDThresholdAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.112	
Alarm Title	ACD Threshold Crossed	
Alarm Source	The object for which the threshold is crossed can be any one of the following:	
	■ PM_gwSBCACD	
	■ PM_gwSBCIPGroupACD	
	■ PM_gwSBCSRDACD	
Alarm Type	Quality Of Service Alarm	
Probable Cause	The threshold has been crossed.	
Additional Info	-	

Alarm Field	Description		
Alarm Severity	Condition	Text	CorrectiveAction
Major	ACD is equal or less than the configured Major threshold.	"ACD threshold crossed."	-
Minor	ACD is equal or less than the configured Minor threshold (but greater than the Major threshold).	-	-
Cleared	ACD is above the configured Minor threshold plus the hysteresis.		

Network Effectiveness Ratio Threshold Alarm

Alarm Field	Description
Description	The NER (Network Effectiveness Ratio) measures the percentage of successfully connected calls relative to the total number of seizures. The alarm is raised when the configured NER minor and major thresholds are crossed (configured in the Performance Profile table).
SNMP Alarm	acNERThresholdAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.113
Alarm Title	NER Threshold Crossed
Alarm Source	The object for which the threshold is crossed, which can be one of the following: PM_gwSBCNER PM_gwSBCIPGroupNER PM_gwSBCSRDNER
Alarm Text	-
Alarm Type	Quality Of Service Alarm

Alarm Field	Description		
Probable Cause	The threshold has been crossed.		
Severity	Condition	Text	Corrective Action
Major	NER is equal or less than the configured Major threshold.	"NER threshold crossed."	-
Minor	NER is equal or less than the configured Minor threshold (but greater than the Major threshold).	-	-
Cleared	NER is above the configured Minor threshold plus the hysteresis.	-	-

IP Group No Route Alarm

Alarm Fields	Description
Description	The alarm is raised when the device rejects calls to an IP Group due to the following reasons:
	■ IP Group keep-alive failure (Gateway and SBC)
	Poor Voice Quality - MOS (SBC only)
	Bandwidth threshold has been crossed (SBC only)
	ASR threshold has been crossed (SBC only)
	 ACD threshold has been crossed (SBC only)
	■ NER threshold has been crossed (SBC only)
SNMP Alarm	acIpGroupNoRouteAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.114
Alarm Title	IP Group Blocked
Alarm Source	The object for which the threshold is crossed according to one of the above mentioned reasons:

Alarm Fields	Description			
	 IP Group keep alive failure (acProxyConnectivity trap is raised) Poor Quality of Experience Bandwidth ASR (see acASRThresholdAlarm) ACD (see acACDThresholdAlarm) NER (see acNERThresholdAlarm) 			
Alarm Type	Quality Of Service Alarm			
Probable Cause	One of the reasons described above.			
Severity	Condition	Text	Corrective Action	
Major	When calls rejected to IP Group due to any of the above-mentioned reasons.	"IP Group is temporarily blocked."	-	
Cleared	When calls are no longer rejected due to the above mentioned reasons (i.e. when none of the above reasons prevent a route to the IP Group from being established).	-	-	

TLS Certificate Expiry Alarm

Alarm Field	Description
Description	The alarm is sent to indicate that the installed TLS certificate belonging to a configured TLS Context is about to expire (which cannot be renewed automatically) or has expired.
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.128
SNMP Alarm	acCertificateExpiryAlarm
Alarm Title	TLS Certificate Expiry Alarm
Alarm Source	Board#1/CertificateExpiry#X

Alarm Field		Description	
Alarm Type	communicationsAlarm		
Probable Cause	communicationsSubsystemF	ailure	
Alarm Severity	Condition	Text	Corrective Action
Minor	The certificate is about to expire. This is sent a user-defined number of days (TLSExpiryCheckStart) before the expiration date.	"The certificate of TLS context %d will expire in %d days"	Load a new certificate to the device before the expiration of the installed certificate (which cannot be renewed automatically).
Major	The certificate is about to expire. This is sent a week as well as a day before the expiration date.	"The certificate of TLS context %d will expire in less than a week" Or "The TLS certificate of TLS context %d will expire in a day" Or "The TLS certificate of TLS context %d will expire in a day" Or	To replace certificates, refer to the User's Manual.
Critical	The certificate has expired.	"The certificate of TLS context %d has expired %d days ago"	Load a new certificate to the device before the expiration of the installed certificate (which cannot be renewed automatically). To replace certificates,

Alarm Field	Description		
			refer to the User's Manual.
Cleared	A new certificate is installed.	-	-

NGINX Configuration is not Valid

Alarm F	Field	Description		
Description		This alarm is raised when NGINX Directives Sets have been configured with invalid syntax. NGINX continues to run with the previous, valid configuration unless the SBC is restarted, in which case, the NGINX process is stopped and the NGINX Process is not Running alarm is raised (see below).		
SNMP Alarr	n	acNGINXConfigur	ationIsInvalidAlarm	
SNMP OID		1.3.6.1.4.1.5003.9	9.10.1.21.2.0.130	
Alarm Title		NGINX configurat	ion is not valid	
Alarm Sour	ce	operationalViolat	ion	
Alarm Type		alarmTrap		
Probable Ca	ause	configurationOrC	ustomizationError	
Alarm Severity		Condition	Text	Corrective Action
Minor			NGINX Configuration file is not valid.	Identify and resolve NGINX Directives Sets syntax errors to ensure an uninterrupted HTTP Proxy service. You can run the CLI commands for troubleshooting: "show network http- proxy conf new" to display the Directives Set configuration that generated the errors. "show network http- proxy conf errors" to display the errors

Alarm Field	Description
	resulting from the invalid Directives Set configuration.

NGINX Process is not Running

Alarm Field	Description			
Description	This alarm is raised when the SBC is restarted with an erroneous NGINX configuration i.e. after alarm 'NGINX Configuration is not Valid' is raised (see NGINX Configuration is not Valid on the previous page).			
SNMP Alarm	acNGINXPprocessIsN	lotRunningAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10).1.21.2.0.131		
Alarm Title	NGINX process could	NGINX process could not be started		
Alarm Source	communicationsAlarm			
Alarm Type	alarmTrap			
Probable Cause	application Subsystem Failure			
Alarm Severity	Condition Text Corrective Action			
Major		NGINX process is not running.	Correct the NGINX Directives syntax and then the NGINX process is restarted automatically.	

Remote Monitoring Alarm

Alarm Field	Description
Description	The alarm is sent when the device loses connection with the remote monitoring server (configured on the device as a Remote Web Service) for remote monitoring of the device when it is located behind a NAT.
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.145

Alarm Field	Description			
SNMP Alarm	acRemoteMonitoringA	acRemoteMonitoringAlarm		
Alarm Title	Remote Monitoring Ala	arm		
Alarm Source	Board#1			
Alarm Type	communicationsAlarm	communicationsAlarm		
Probable Cause	callEstablishmentError			
Alarm Severity	Condition Text Corrective Action			
Warning	The device receives an HTTP failure response (4xx/5xx/6xx) when it sends the monitoring report.	"No connection with Remote Mon- itoring server"	Check that the configuration of the Remote Web Service is correct.	
Cleared	The device receives an HTTP successful response (2xx) when it sends the monitoring report.	-	-	

SDR Server Alarm

Alarm Field	Description			
Description	This alarm is sent when SBC failed to upload SDRs to all configured servers.			
SNMP Alarm	acSDRServerAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21	1.3.6.1.4.1.5003.9.10.1.21.2.0.147		
Alarm Title	SDR Server Alarm			
Alarm Source	processingErrorAlarm			
Alarm Type	alarmTrap			
Probable Cause	communicationsProtocolError			
Alarm Severity	Condition	Text	Corrective Action	

Alarm Field	Description		
Warning	Device fails to upload SDRs to all remote servers	Failed to upload SDRs to all configured servers	Check that IP address of server is correct

KPI Threshold Crossing

Alarm Field	Description		
Description	The alarm is sent every time the threshold of a performance monitoring parameter (object) is crossed. The thresholds to raise or clear an alarm, the severity levels, and the alarm messages are configured in the Alarm Thresholds table (Setup menu > Administration tab > Performance Monitoring folder).		
SNMP Alarm	acKpiThresholdCro	ossing	
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.148		
Alarm Title	KPI Threshold Crossing		
Alarm Source	The object for which the threshold is crossed.		
Alarm Type	processingErrorAlarm		
Probable Cause	thresholdCrossed		
Alarm Severity	Condition	Text	Corrective Action
Raised alarm (severity depends on con- figuration)	Threshold crossed to raise alarm	<pre><kpi_name> value <value> is too <high low> (Note: Text is configurable.)</high low></value></kpi_name></pre>	Verify the configuration of the related Performance Monitoring object and adjust loads accordingly.
Cleared alarm (severity depends on con- figuration)	Threshold crossed to clear alarm	" <kpi_name> value <value> is back to normal" (Note: Text is configurable.)</value></kpi_name>	

Clock Configuration Alarm

Alarm Field	De	scription	
Description	This alarm is sent when both NTP and Date Header Time Sync options have been enabled in the Time & Date page of the device's Web server.		
SNMP Alarm	acClockConfigurationAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.149		
Alarm Title	Clock Configuration Alarm		
Alarm Source	operationalViolation		
Alarm Type	alarmTrap		
Probable Cause	configurationOrCustomizationErro	r	
Alarm Severity	Condition	Text	Corrective Action
Minor	Both the NTP Server and Data Header Time Sync options have been configured in the Time & Date page of the device's Web server.	Clock Syn- chronization from SIP Date header ignored as NTP is enabled.	Disable one of these con- figuration options.

Debug Recording Activation Alarm

Alarm Field	Description
Description	This alarm is sent when Debug Recording is enabled on the device.
SNMP Alarm	acDebugRecordingActivationAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.150
Alarm Title	Debug Recording Activation Alarm
Alarm Source	operational Violation
Alarm Type	alarmTrap
Probable Cause	configurationOrCustomizationError

Alarm Field	Description		
Alarm Severity	Condition	Text	Corrective Action
Minor	Debug recording is activated on the device	Debug Recording is active	-
Clear	Cleared when Debug Recording stops working and no longer captures any packets.		

Faulty DSP Alarm

This alarm is relevant for all DSP-based devices.

Alarm Field	Description		
Description	This alarm is raised when one or mo	ore DSP cores on the d	evice is faulty.
SNMP Alarm	acFaultyDSPAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.152		
Alarm Title	Faulty DSP alarm		
Alarm Source	equipmentAlarm		
Alarm Type	alarmTrap		
Probable Cause	unexpectedInformation		
Alarm Severity	Condition	Text	Corrective Action
Major	Failure has been detected on one or more of the device DSP cores during bootup.	At least one faulty DSP detected dur- ing boot	Perform diagnostics on the DSP cores.
Major	Failure has been detected on one or more of the device DSP cores.	At least one faulty DSP detected	Perform diagnostics on the DSP cores.
Clear	Repair or replace the faulty DSP core(s) and restart the device.		

No Reply From DNS Server Alarm

Alarm Field		Description		
Description	The alarm is sent when the device queries a DNS server and no reply is received. DNS queries are done for Proxy Sets that are configured with FQDNs. The alarm indicates the IP Interface (configured in the IP Interfaces table) on which the query was sent. The device periodically (configured by [ProxyIPListRefreshTime]) queries the DNS server to resolve FQDNs, which refreshes the Proxy Set's list of DNS-resolved IP addresses. The device caches (stores) the last successful DNS resolution and if the DNS server subsequently goes offline when the device needs to do a DNS refresh query, instead of taking the Proxy Set offline, the device reuses the cached DNS-resolved addresses. In this scenario, the device continues sending DNS queries every 10 seconds. The device clears every entry in the cache 30 minutes after its time-to- live (TTL) value expires. However, if the DNS server is still offline and the device has deleted the cache, the device takes the Proxy Set offline.			
SNMP Alarm	acNoReplyFror	mDNSServer Alarm		
SNMP OID	1.3.6.1.4.1.500	1.3.6.1.4.1.5003.9.10.1.21.2.0.155		
Alarm Title	No Reply From	No Reply From DNS Server Alarm		
Alarm Source	Board#1/ipInte	Board#1/ipInterface# <ip index="" interface=""></ip>		
Alarm Type	communicationsAlarm			
Probable Cause	communicationsSubsystemFailure			
Additional Info1				
Additional Info2				
Alarm Severity	Condition	Alarm Text	Corrective Action	
Minor	No response from DNS server.	"DNS server not responsive"	Make sure that the con- figured IP address of the DNS server is cor- rect.	

Alarm Field	Description		
Cleared	Response received from DNS server.		

Weak Password Alarm

Alarm Field		Description		
Description	The alarm is sent when a user in the Local Users table is configured with a weak password, according to the Weak Passwords List table. (This weak passwords feature is enabled by the 'Check Weak Passwords' parameter).			
SNMP Alarm	acWeakPassw	ordAlarm		
SNMP OID	1.3.6.1.4.1.500	03.9.10.1.21.2.0.156		
Alarm Title	Weak Passwor	rd Alarm		
Alarm Source	WebUsers#X (table)	WebUsers#X (where X is the row index of the user in the Local Users table)		
Alarm Type	securityService	eOrMechanism Violation		
Probable Cause	Weak Passwor	Weak Password		
Additional Info1				
Additional Info2				
Alarm Severity	Condition	Alarm Text	Corrective Action	
Major	A user is configured with a weak password.	"User <username> has weak password"</username>	Configure the user with a strong password.	
Cleared	The user's password is no longer weak (or the			

Alarm Field	Description		
	user has been deleted in the Local Users table).		

TLS Sockets Limit Alarm

Alarm Field		Description	
Description	The alarm is sent when the number of allocated incoming TLS connections approaches 95% of maximum supported TLS connections (when the number of TLS connections exceeds 80% of the maximum, the OVOC attempts to close unused TLS connections). For maximum supported TLS connections, refer to the <i>Release Notes</i> .		
SNMP Alarm	acTLSSocketsLimitAlarr	n	
SNMP OID	1.3.6.1.4.1.5003.9.10.1	.21.2.0.159	
Alarm Title	TLS Sockets Limit Alarm	1	
Alarm Source	Board#1		
Alarm Type	communicationsAlarm		
Probable Cause	resourceAtOrNearingCapacity		
Severity	Condition	Text	Corrective Action
Major	The number of allocated incoming TLS connections approaches 95% of max. supported TLS connections.	"Number of incoming TLS connections < current number of TLS connections> is over 95% of max number allowed < max. supported TLS connections>"	-
Cleared	The number of allocated incoming TLS connections returns to below 90% of max. supported TLS connections.	"Number of incoming TLS connections < current number of TLS connections> is less than 90% of max number allowed < max. supported TLS connections>"	-

VM Maintenace Alarm



This alarm is applicable only to Mediant VE /CE SBCs deployed on Azure or Google Cloud Platform.

Alarm Field		Description	
Description	The alarm is sent when the OVOC receives a response (over REST API) from the cloud platform's metadata service of a scheduled maintenance event for the virtual machine on which the OVOC is installed. The alarm indicates the type of event and the scheduled time of the event. This feature is configured by the [MaintenanceEventsMonitoringEnable] and [MaintenanceEventsTreatmentEnable] parameters. For more information on the OVOC's monitoring and handling of virtual machine maintenance events by the Cloud platform, refer to the OVOC's User's Manual.		
SNMP Alarm	acVMMaintenaceAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.157		
Alarm Source	Board#1		
Alarm Type	Other		
Probable Cause	Other		
Severity	Condition	Text	Corrective Action
Warning	A maintenance event is scheduled for the virtual machine on which the OVOC is installed.	"VM maintenance event was detected. Event type = " <event>", Scheduled time = <utc time="">, Event id = <id>."</id></utc></event>	-
Cleared	The maintenance event has completed.	-	-

Specific Hardware Alarms

This section describes specific hardware alarms.

Temperature Alarm

Alarm Field	Description		
Description	Sent when the de	evice exceeds its te	mperature limits.
SNMP Alarm	acBoardTempera	tureAlarm	
SNMP OID	1.3.6.1.4.1.5003.9	9.10.1.21.2.0.3	
Alarm Title	Temperature Alar	rm	
Alarm Source	System#0		
Alarm Type	equipmentAlarm		
Probable Cause	The air filter is saturated. One of the fans work slower than expected. temperatureUnacceptable (50)		
Alarm Severity	Condition	Text	Corrective Action
Critical	Internal temperature is too high for normal operation	Board temperature too high	Check that the ambient environment around the chassis was not changed (room temperature, air-conditioner, and location of the chassis on the site). If the ambient environment is the same, make sure that all unoccupied module slots are covered with blank panels. Check the chassis ventilation outlet and make sure that they are not obstructed for air flow. Check if you also received a Fan Tray alarm, which indicates that one or more fans in the Fan Tray are faulty (major). If this is the case, send the faulty Fan Tray to AudioCodes as RMA. Send an RMA request to AudioCodes for the Fan Tray.
Cleared	Temperature returns to normal	-	-

Alarm Field		Desci	ription
	operating values		

Fan Tray Alarm

Alarm Field	Description			
Description	This alarm is activated in one of the following cases:			
	Fan-Tray is mi	issing		
	One or more	fans in the fan-tra	y is faulty.	
	Fan tray is in	olace and fans are	functioning.	
SNMP Alarm	acFanTrayAlarm			
SNMP OID	1.3.6.1.4.1.5003.9	9.10.1.21.2.0.29		
Alarm Title	Fan Tray Alarm			
Alarm Source	Chassis#0/FanTra	y#0		
Alarm Type	equipmentAlarm			
Probable Cause	One or more	fans on the Fan Tr	ay module stopped working.	
		fans on the Fan Tr atingVentCoolingS	ay module works slower than ystemProblem)	
Alarm Severity	Condition	Text	Corrective Action	
Critical	Fan-Tray is missing.	Fan-Tray is missing	Check if the Fan Tray module is inserted in the chassis.	
			2. If the Fan Tray module was removed from the chassis, reinsert it.	
			3. If the Fan Tray module has already been inserted in the chassis and the alarm is active, send a Return Merchandise Authorization (RMA) request to AudioCodes.	
			Warning: When removing the Fan Tray module while the power is on	

Alarm Field	Description		
			(or after it has recently been switched off), the blades may still be rotating at high speeds. Therefore, to avoid bodily harm, make sure that you don't touch the fan blades.
Major	When one or more fans in the Fan Tray are faulty.	Fan-Tray is faulty	Fan Tray module is faulty. Send a Return Merchandise Authorization (RMA) request to AudioCodes.
Cleared	Fan Tray module is in place and fans are working.	-	-

Power Supply Alarm

Alarm Field	Description			
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>,</m>	Chassis#0/PowerSupply# <m>, where m is the power supply's slot number</m>		
Alarm Type	equipmentAlarm			
Probable Cause	powerProblem			
Alarm Severity	Condition Text Corrective Action			
Major (default)	The HA (High Availability) feature is active (applicable	Power- Supply	Check if the unit is inserted in the	

Alarm Field	Description			
	only to Mediant 3000) and one of the power supply units is faulty or missing.	Alarm. Power- Supply is missing.	2. 3.	chassis. If it was removed from the chassis, re-insert it. If it's inserted in the chassis and the alarm is active, send a Return Merchandise Authorization (RMA) request to AudioCodes.
Cleared	PS unit is placed and working.	-	-	

HA System Alarms

This section describes HA System alarms.

HA System Fault Alarm

Alarm Field	Description
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 blade module's slot number</m>
AlarmType	qualityOfServiceAlarm
Probable	outOfService

Alarm Field	Description		
Cause			
Alarm Severity	Condition	Text	Corrective Action
Critical (default)	HA feature is active but the system is not working in HA mode	Fatal exception error	High Availability (HA) was lost due to switchover and should return automatically after a few minutes. Corrective action is not required.
		TCPIP exception error	HA was lost due to switchover and should return automatically after a few minutes. Corrective action is not required.
		Network processor exception error (applicable only to Mediant 3000)	HA was lost due to switchover and should return automatically after a few minutes. Corrective action is not required.
		SW WD exception error	HA was lost due to switchover and should return automatically after a few minutes. Corrective action is not required.
		HW WD exception error	HA was lost due to switchover and should return automatically after a few minutes. Corrective action is not required.
		SAT device is missing (applicable only to Mediant 3000)	HA was lost due to switchover and should return automatically after a few minutes.

Alarm Field	Description		
			Corrective action is not required.
		SAT device error (applicable only to Mediant 3000)	HA was lost due to switchover and should return automatically after a few minutes. Corrective action is not required.
		DSP error (applicable only to Mediant 3000 and Mediant 4000)	HA was lost due to switchover and should return automatically after a few minutes. Corrective action is not required.
		BIT tests error	HA was lost due to switchover and should return automatically after a few minutes. Corrective action is not required.
		PSTN stack error (applicable only to Mediant 3000)	HA was lost due to switchover and should return automatically after a few minutes. Corrective action is not required.
	Keep Alive error	HA was lost due to switchover and should return automatically after a few minutes. Corrective action is not required.	
		Software upgrade	HA was lost due to switchover and should return automatically after a few minutes. Corrective action is not

Alarm Field	Description		
			required.

Alarm Field	Description	
	Manual switch over	HA was lost due to switchover and should return automatically after a few minutes. Corrective action is not required.
	Manual restart	HA was lost due to a system restart and should return automatically after few minutes. Corrective action is not required.
	Board removal (applicable only to Mediant 3000)	Return the removed board to the system.
	TER misplaced (applicable only to Mediant 3000)	Place the TER card according to the User's Manual
	HW fault. TER in slot 2 or 3 is missing (applicable only to Mediant 3000)	Place the TER card according to the User's Manual
	HW fault. TER has old version or is not functional (applicable only to Mediant 3000)	Replace the TER card.
	HW fault. invalid TER Type (applicable only to Mediant 3000)	Replace the TER card.
	HW fault. invalid TER active/redundant state (applicable only to Mediant 3000)	Replace the TER card.

Alarm Field		Description	
	read (app	fault. Error ling GbE state licable only to liant 3000)	Replace the TER card.
	is mi	undant module issing dicable only to liant 3000)	 Insert the redundant module into the system. If the error continues, restart / replace the module.
	conr (app	undant is not necting licable only to liant 3000)	Reset / replace the redundant module.
	reco	undant is not nnecting after perate restart	Reset / replace the redundant module.
		Ethernet Link in Indant module	Connect Ethernet links to the redundant module
	miss	nodule faulty or ling licable only to liant 3000)	Make sure the Shelf Alarm module is inserted correctly.
	Eth I	link error	HA was lost due to switchover, Connect the Eth link back.
	(Not	er HA priority applicable to liant 3000)	HA was lost due to switchover to unit with higher HA priority and should return automatically after a few minutes. Corrective action is not required.
	Netv erro	work watchdog r	HA was lost due to switchover, fix the network connectivity

Alarm Field	Description		
			from failed unit.
Minor	HA feature is active and the redundant module is in startup mode and hasn't connected yet	Waiting for redundant to connect (applicable only to Mediant 3000)	Corrective action is not required.
Cleared	HA system is active	-	-

HA System Configuration Mismatch Alarm

Alarm Field	Description			
Description	HA feature is active. The active module was unable to transfer the License Key to the redundant module.			
SNMP Alarm	acHASystemConfigMismat	chAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.	2.0.34		
Alarm Source	System#0/Module# <m>, w</m>	here m is the blade mod	lule's slot number	
Alarm Type	processingErrorAlarm			
Probable Cause	configurationOrCustomizationError			
Alarm Severity	Condition Text Corrective Action			
Major (default)	HA feature is active: Configuration mismatch in the system: The actions for the conditions are described below.			
	License Keys of Active and Redundant modules are different.	Active and Redundant modules have different feature keys.	Update the Feature Keys of the Active and Redundant modules.	
	The Active module was	Fail to update the	Replace the Feature	

Alarm Field	Description		
	unable to pass on to the Redundant module the License Key.	redundant with feature key.	Key of the Redundant module – it may be invalid.
	License key of the Redundant module is invalid.	Feature key did not update in redundant module.	Replace the Feature Key of the Redundant module – it may be invalid.
Cleared	Successful License Key update	The feature key was successfully updated in the redundant module	-

HA System Switch Over Alarm

Alarm Fields	Description			
Description	Sent when a switchover from the active to the redundant module has occurred.			
SNMP Alarm	acHASystemSwitch(OverAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.1	0.1.21.2.0.35		
Default Severity	Critical	Critical		
Alarm Source	System#0/Module# <m>, where m is the blade module's slot number</m>			
Event Type	qualityOfServiceAlarm			
Probable Cause	outOfService			
Alarm Severity	Condition Text Corrective Action			
Critical (default)	A switchover from the active to the redundant unit has occurred	Switch-over: See the acHASystemFaultAlarm table above	See HA System Configuration Mismatch Alarm on the previous page above for details.	
Cleared	10 seconds have			

Alarm Fields	Description		
	passed since the switchover		

Hitless Software Upgrade Alarm

Alarm Field	Description			
Description	A Notification trap that is sent out at the beginning and the end of a Hitless software update. Failure during the process will also instigate the trap. This alarm is only relevant for the local license key.			
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			
Alarm Severity	Condition Text Corrective Action			
Indeterminate	the A notification trap sent at the beginning and end of a hitless software update. Failure during the software update also activates the trap. Hitless Update Event		The corrective action for each condition is described below.	
	Hitless: Start software upgrade.	Corrective action is not required.		
	Hitless fail: Invalid cmp file file - missing Version parameter.		Replace the cmp file with a valid one.	
	Hitless fail: The software version stream name is too long.		Replace the cmp file with a valid one.	
	Hitless fail: Invalid cmp file - missing UPG parameter.		Replace the cmp file with a valid one.	

Alarm Field	Description		
	Hitless fail: Hitless software upgrade is not supported.		Replace the cmp file with a valid one that supports hitless upgrade of the software from the current version to the new one.
	Hitless: Software upgrade ended successfully.		Corrective action is not required.

Redundant Board Alarm

Alarm Field	Description
Description	Active board sends notification when an alarm or notification is raised in the redundant board.
SNMP Alarm	acRedundantBoardAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.97
Alarm Title	Redundant Board Alarm
Alarm Source	-
Alarm Type	Notification
Probable Cause	-
Severity	-
Additional Info	-
Corrective Action	-

HA Network Watchdog Status Alarm

Alarm Field	Description
Description	This alarm indicates that the device's HA Network Reachability (network watchdog) feature is configured, but is not functioning

Alarm Field	Descr	iption	
	correctly due to, for example, the Ethernet Group being down from where the ping is sent to the network entity. The device's HA Network Reachability feature is used to configure a network IP address to test reachability using pings. When the tested peer stops replying to the Active unit, a switchover is made to the Redundant unit. For configuring the HA Network Reachability feature, refer to the User's Manual.		
SNMP Alarm	acHANetworkWatchdogStatusAları	m	
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.98		
Alarm Title	HA Network Watchdog Status Aları	m	
Alarm Source	System#0/Module# <m>, where m</m>	is the blade module's slot number	
Alarm Type	alarmTrap		
Probable Cause	outOfService		
Default Severity	Major		
Alarm Severity	Condition	Corrective Action	
Failed sending ping	Some network configuration error	-	
Network watchdog is disabled while HA priority is in use	When HA Priority is in use, the network watchdog module is disabled	-	
Network watchdog is disabled while Redundant units has less Eth groups available	One or more of the Redundant unit's Ethernet Groups are down	-	
Disabling network watchdog due to network interface error in	One or more of the Redundant unit's Ethernet Groups are down	-	

Alarm Field	Description	
Redundant unit		

License Key Hitless Upgrade Alarm

Alarm Field	Description			
Description	Feature key hitless upgrade failed due to failure of switchover process.			
SNMP Alarm	acLicenseKeyHitlessUpgradeAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.	2.0.129		
Alarm Title	License Key Hitless Upgrad	License Key Hitless Upgrade Alarm		
Alarm Source	system0Mo			
Alarm Type	communicationsAlarm			
Probable Cause	keyExpired			
Alarm Severity	Condition	Text	Corrective Action	
Major	Feature key hitless upgrade failed due to failure of switchover process.	Feature key hitless upgrade failed due to failure of switchover process.	Reload the Feature key run the hitless process.	

HA Network Mismatch Alarm

Alarm Field	Description
Description	Mismatch of network devices in the cloud HA system (AWS) between active and redundant instances. There is a mismatch in the configuration of the AWS instances for the ENI (Elastic Network Interface), i.e. a different number of ENIs are configured, and/or different Subnet IDs, or the same ENIs however in the incorrect order. When working on an AWS HA system, both systems (Active & Redundant) must be identical in terms of ENIs.
SNMP Alarm	acHANetworkMismatchAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.135

Alarm Field	Description		
Alarm Title	HA Network Mismatch Alarm		
Alarm Source	SystemMo		
Alarm Type	communicationsAlarm		
Probable Cause	configurationOrCustomizationError		
Alarm Severity	Condition	Text	Corrective Action
Major	ENI configuration of both instances do not match	Cloud network devices do not match"	Fix the ENI con- figuration

HA Network Monitor Alarm

Description	Alarm Fields		
Description	This alarm is sent when all previously reachable destinations configured for a specific row in the HA Network Monitor table (for the HA Network Monitor feature) are now unreachable (i.e., none of them reply to the device's pings). For configuring the HA Network Monitor feature, refer to the User's Manual.		
SNMP Alarm	acHANetworkMonitorAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.136		
Alarm Title	HA Network Monitor Alarm		
Alarm Source	Board#1/NetworkMonitor#X		
Alarm Type	communicationsAlarm		
Probable Cause	connectionEstablishmentError		
Alarm Severity	Condition	Text	Corrective Action
Major	All destinations of a specific row in the HA Network Monitor table	"Destination/s <peer< td=""><td>-</td></peer<>	-

Description	Alarm Fields		
	that replied in the past to the device's pings are now "unreachable"	destination IP address(es)> is/are unreachable"	
Cleared	At least one of the "unreachable" destinations replies to the device's pings and is now "reachable", or the row in the HA Network Monitor table has been deleted	-	

HA Ethernet Group Alarm

Alarm Field	Description		
Description	This alarm is sent when the Ethernet link of at least one port in the Ethernet Group that is associated with the HA Maintenance interface is down.		
SNMP Alarm	acHAEthernetGroupAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.137		
Alarm Source	system#0		
Alarm Type	qualityOfServiceAlarm		
Probable Cause	outOfService		
Alarm Severity	Condition	Text	Corrective Action
Minor	At least one of the Ethernet port links in the Ethernet Group associated with the HA Maintenance interface is down	"SYS_HA: Maintenance Group - One of the links is down - NO HA of maintenance link redundancy"	Check that the Ethernet cables are connected securely to the ports. Check that the ports at the other end are up (working).
Cleared	All Ethernet ports in	-	-

Alarm Field	Description		
	the Ethernet Group associated with the HA Maintenance interface become up again		

License Pool Alarms

This section describes License Pool alarms.

License Pool Infra Alarm

Alarm Field	De	escription	
Description	This alarm is raised under the following circumstances: The device was unable to access the SBC License Pool Manager. The device license has expired. The device is no longer managed by the SBC License Pool Manager.		
SNMP Alarm	acLicensePoolInfraAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.10	6	
Alarm Source	system0Mo		
Alarm Type	communicationsAlarm		
Probable Cause	keyExpired, fail to connect to lice	nse pool server.	
Alarm Severity	Condition	Text	Corrective Action
Major	The last attempt to establish an HTTPS REST connection with OVOC SBC License Pool Manager server was not successful.	Device was unable to access the License Server.	 Wait for the next connection attempt. In the SBC License Pool Manager, perform the 'MG Update' action to reestablish REST

Alarm Field	Description		
			connection with device and send the current license.
	The device has been configured as Non-Managed in the SBC License Pool Manager. If there are active licensed sessions for this device, the device automatically performs a restart or hitless upgrade.	Device is no longer managed by the SBC License Pool.	If you wish, reconfigure the device as managed by the SBC License Pool Manager.
Critical	Device unable to establish an HTTPS REST connection with OVOC SBC License Pool Manager server after successive attempts.	License-pool is about to expire.	In the SBC License Pool Manager, perform the 'MG Update' action to reestablish REST
	The device license has expired.	The device license has expired! Use of this device is strictly prohibited.	connection with device and send the latest license.
Clear	 Connection has been restablished with the SBC License Pool Manager, an updated license has been loaded to device and apply/restart has been performed. The device has been reconfigured as managed by the SBC License Pool Manager, a new license has been loaded to the device, and and apply/restart has been performed. 	_	

License Pool Application Alarm

Alarm Field	Description				
Description	This alarm is raised when the device requires a restart or apply hitless upgrade after receiving a new license.				
SNMP Alarm	acLicensePoolApplication	Alarm			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.2	1.2.0.107			
Alarm Source	system0Mo				
Event Type	communicationsAlarm	communicationsAlarm			
Probable Cause	New license pool				
Alarm Severity	Condition	Text	Corrective Action		
Major	SBC License key has been received from SBC License Pool Manager Server.	New license pool allocations received	Perform one of the following actions in the SBC License Pool Manager to apply the new license: For stand-alone devices, restart the device. For HA devices, apply a hitless upgrade or restart the device.		

License Pool Over Allocation Alarm

Alarm Field	Description
Description	This alarm is raised when the SBC license received from the SBC License Pool Manager has exceeded the maximum capacity supported by the device.
SNMP Alarm	acLicensePoolOverAllocationAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.125
Alarm Source	system0Mo
Alarm Type	communicationsAlarm

Alarm Field	Description		
Probable Cause	Overallocation		
Alarm Severity	Condition	Text	Corrective Action
Warning (displayed after the configuration has been applied in the SBC License Pool Manager; however, prior to device restart or hitless upgrade).	The SBC license received from the License Pool Manager has exceeded the maximum capacity supported by the device.	"Some of the license pool allocations exceed maximum capability and will not be applied"	In the SBC License Pool Manager, do one of the following: Apply the new license (restart device or apply hitless upgrade); the device sets its SBC capacity to maximum and disregards the excess configured sessions. Reconfigure the license sessions with values that fall within the device capacity and then apply the new license (restart device or apply hitless upgrade).
Warning (displayed after device restart).	The SBC license received from the License Pool Manager Server has exceeded the maximum capacity supported by the device	"Some of the license pool allocations will not be used because of over-allocation"	In the SBC License Pool Manager, reconfigure the license sessions with values that fall within the device capacity and then apply the new license (restart device or apply hitless upgrade).

Floating License Alarms

This section describes Floating License alarms.

Floating License Alarm - Not Enough Memory to Allocate 'Custom' Profile

Alarm Field	De	escription		
Description	This alarm is raised when there are insufficient physical memory resources to allocate for configuring the "Floating License" with the configured Custom Allocation Profile in the device's Floating License table.			
SNMP Alarm	acFloatingLicenseAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21	.2.0.138		
Alarm Title	Floating License Alarm - N 'custom' profile	ot enough mem	ory to allocate	
Alarm Source	Board#1			
Additional Info	Detailed explanation of the License configuration parameter that resulted in this alarm, including the requested and actual value. For example, "SignalingSessions – requested 10000, allocated 1000"			
Alarm Type	processingErrorAlarm			
Probable Cause	communicationsProtocolE	rror		
Alarm Severity	Condition Text Corrective Action			
Warning	An attempt was made to configure a Custom Allocation Profile with values exceeding the device's physical memory.	"Not enough memory to allocate for 'custom' pro- file"	Define a Custom Allocation Profile within the bounds of the device's capacity.	

Cloud License Manager Alarm

Alarm Field	Description	
Description	This alarm is raised under one of the following circumstances:	
	Disconnection between the device and OVOC.	
	Failure to send usage reports from the device to OVOC.	

Alarm Field	Description			
	Fixed license is enabled and an attempt was made to enable the Floating license.			
SNMP Alarm	acCloudLicenseManager/	Alarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.2	1.2.0.132		
Alarm Title	Cloud License Manager A	larm		
Alarm Source	Board#1			
Alarm Type	processingErrorAlarm			
Probable Cause	configurationOrCustomis	ationError		
Additional Info	-			
Alarm Severity	Condition	Text	CorrectiveAction	
Major	There is no connection between the device and OVOC either prior to the initial handshake or due to a long disconnection time (default is three months; this time may be overriden by OVOC).	"No connection with OVOC"	Check TCP/TLS connectivity.Device should be registered on OVOC.	
	Usage reports could not be sent to OVOC from the device for a specified number of days.	"Failed to send usage report to OVOC for X days"	Check TCP/TLS connectivity.	
	The device is configured to work with the Fixed License Pool and an attempt was made to enable the Floating license.	"Floating license cannot be enabled, when device is managed by License Pool"	 Disable Floating License parameter on the device. Remove the device from the Fixed License Pool in OVOC. 	

Alarm Field		Description	
Critical	Device couldn't connect to OVOC (handshake).	"Connection with OVOC failed with response code <xxx>". See below for more information"</xxx>	<forbidden 403="">: contact AudioCodes support.</forbidden><unauthorized 401="">: check username/password</unauthorized>
	Device couldn't connect to OVOC (handshake).	"Connection with OVOC failed, Failed initialize connection"	Check TCP/TLS connectivity.
	Device couldn't initialize connection to OVOC (handshake).	"Device was rejected by OVOC while trying to retrieve the device ID"	<forbidden 403="">: contact AudioCodes support.</forbidden>
Cleared	 Connection with OVOC is established. Reports are sent successfully. The Floating License parameter is disabled on the device or the device is removed from the Fixed License Pool. This alarm is cleared upon the next reboot. 	-	

HTTP response code and reason:

- Other 4xx-6xx responses: the device retries the request using the value in retry-after header if specified, or immediately following an update of the OVOC Product key.
- OVOC response to Register requests:
 - 200 In case of successful request

- 400: request format is not valid or request data is not valid, or if OVOC is in a state of initial registration required
- 401: username or password are incorrect
- 403: customer is blocked, or OVOC maximum capacity has been reached
- 404: request URI contains a device ID not identified by OVOC.
- 500: server is not able to handle the request due to server side error (no resources, internal component failure etc.)
- Server may respond with 4xx or 5xx error as defined in HTTP RFC when appropriate.

Flex License Manager Alarm

Alarm Field	Description			
Description	The alarm is sent when a change in status occurs in one or more SBC capacity license types that are managed by OVOC Flex License. The status change can be from "ok" to "overlicense" or vice versa. The SBC capacity license types include Signaling Sessions, FEU (Far End Users), Transcoding Sessions, and Media Sessions.			
SNMP OID	1.3.6.1.4.1.5003.9.10.	1.21.2.0.144		
SNMP Alarm	acFlexLicenseManage	rAlarm		
Alarm Title	Flex License Manager	Flex License Manager Alarm		
Alarm Source	Board#1			
Alarm Type	processingErrorAlarm			
Probable Cause	communicationsProtoc	colError		
Alarm Severity	Condition	Text	Corrective Action	
Warning	OVOC Flex License pool stops the device's service of an SBC capacity license type(s) due to pool's license capacity reached or	"Service for <service name=""> license parameter is stopped" Where <service type=""> can be Signaling sessions, FEU (Far</service></service>		

Alarm Field		Description	
	exceeded (utilization status changed to "overlicense").	End Users), Transcoding sessions, and Media sessions	
Cleared	OVOC Flex License pool allows the device's service of an SBC capacity license type(s) when sufficient licenses are restored to the pool (utilization status changed to "ok").		

Mediant 2600 E-SBC and Mediant 4000 SBC Alarms

This section describes Mediant 2600 E-SBC and Mediant 4000 SBC alarms.

DSP Farms Mismatch Alarm

Alarm Field	Description			
Description	This alarm is sent if the number of MPM modules (DSP farms) configured by the ini file parameter DspFarmsInstalledNum (default is 0) is greater than the actual MPM modules installed in the device's chassis. This alarm and the parameter are used to check that all required MPMs are present and correctly installed in the device's chassis.			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.143			
SNMP Alarm	AcDSPFarmsMismatchAlarm			
Alarm Title	DSP Farms Mismatch Alarm			
Alarm Source	Board#1/ClusterManager#1/MT#2			
Alarm Type	equipmentAlarm			
Probable Cause	Underlying Resource Unavailable			
Alarm Severity	Condition	Text	Corrective Action	

Alarm Field	Description			
Major	The number of MPMs configured by the DspFarmsInstalledNum parameter is greater than the number of MPMs installed on the chassis. This could result in a faulty or missing MPM module(s).	"Missing DSP farm was detected."	 Check if the MPM module(s) is fully inserted into the chassis slot. If an MPM module(s) was removed from the chassis, re-install it. Make sure that the DspFarmsInstalledNum parameter is configured to the correct number of physical MPM modules. If you have performed all the above and the alarm still exists, send a Return Merchandise Authorization (RMA) request to AudioCodes 	
Cleared	The number of MPMs configured by the DspFarmsInstalledNum parameter is less than or equal to the number of MPMs installed in the chassis.	-	-	

Mediant 9000 and Software SBC Alarms

This section describes Mediant 9000 and Software SBC alarms.

Cluster HA Alarm

Alarm Field	Description
Description	The alarm is sent by the Cluster Manager when the cluster HA usage exceeds 100%. HA usage of 100% means that if a failure occurs in a Media Component (MC or vMC), sufficient DSP resources are available on the other Media Components in the cluster to take over the transcoding sessions of the failed Media Component. HA usage exceeding 100% means that insufficient DSP resources are available on the other Media Components to take over the transcoding sessions of the failed Media

Alarm Field	Description			
	Component.			
SNMP Alarm	acMtcmClusterHaAlarm	1		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.	21.2.0.115		
Alarm Title	CM Cluster HA Alarm			
Alarm Source	device/clusterManager			
Alarm Type	equipmentAlarm			
Probable Cause	Other	Other		
Additional Info	-			
Alarm Severity	Condition Text CorrectiveAction			
Major	Cluster HA usage exceeds 100%.	"At least one of the MTCEs is inactive, MTC will now provide only partial HA"	 Make sure all Media Transcoders are properly connected to the Cluster Manager. Make sure all Media Transcoders in the Media Transcoders table are in Admin State "Unlocked" and Status "Connected". 	
Cleared	HA usage drops to below 95%	-	-	

Media Transcoder Network Failure

Alarm Field	Description	
Description	The alarm is sent when the Cluster Manager (Media Transcoding Cluster	

Alarm Field	Description		
	feature) or Signalling Component (Elastic Media Cluster feature) fails to connect to the Media Component.		
SNMP Alarm	acMtceNetworkF	ailureAlarm	
SNMP OID	1.3.6.1.4.1.5003.9	9.10.1.21.2.0.116	
Alarm Title	MT Network Failu	ıre	
Alarm Source	Board#1/clusterN	/lanager#0/MTCE	#xxx
Alarm Type	communicationsAlarm		
Probable Cause	Other		
Alarm Severity	Condition	Text	Corrective Action
Major	Connection failure with Media Transcoder	"No Connection with MTCE: <mtce- name>"</mtce- 	For the Media Transcoding Cluster feature, ensure a physical connection exists between the Media Component and the Cluster Manager.
Cleared	Connection established / re-established with Media Transcoder	-	-

Media Transcoder Software Upgrade Failure

Alarm Field	Description	
Description	The alarm is sent upon a software upgrade (.cmp) or Auxiliary file load failure in the Media Component.	
SNMP Alarm	acMtceSwUpgradeFailureAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.117	
Alarm Title	Media Transcoder Software Upgrade Failure	
Alarm Source	Board#1/clusterManager#0/MTCE#xxx	
Alarm Type	processingErrorAlarm	

Alarm Field	Description		
Probable Cause	other		
Severity	Condition	Text	Corrective Action
Major	Software upgrade (.cmp) or Auxiliary file load failure in Media Component.	""Reset of the MTCE is required"	Reset the Media Transcoder and perform the upgrade process again. If the upgrade fails again, contact your AudioCodes support representative.
Cleared	Upon restart of Media Transcoder	-	-

Media Transcoder High Temperature Failure

Alarm Field	Description			
Description	The alarm is raised when the temperature of the Media Transcoder chassis reaches a critical threshold.			
SNMP Alarm	acMtceHwTempe	rature Failure Alarm	1	
SNMP OID	1.3.6.1.4.1.5003.9	9.10.1.21.2.0.118		
Alarm Title	MT Temperature	Failure		
Alarm Source	Board#1/clusterN	Board#1/clusterManager#0/MTCE#xxx		
Alarm Type	Equipment Alarm			
Probable Cause	-			
Alarm Severity	Condition Text Corrective Action			
Major	Temperature of Media Transcoder reaches critical threshold	"MTCE reached high temperature threshold"	Check that the ambient environment around the chassis was not changed (room temperature, air-conditioner, and location of the chassis on the site). If the ambient environment is the same, make	

Alarm Field	Description		
			sure that all unoccupied module slots are covered with blank panels. Check the chassis ventilation outlet and make sure that they are not obstructed for air flow. Check if you also received a Fan Tray alarm, which indicates that one or more fans in the Fan Tray are faulty (major). If this is the case, send the faulty Fan Tray to AudioCodes as RMA. Send an RMA request to AudioCodes for the Fan Tray.
Cleared	Connectivity with Media Transcoder is re-established and temperature is reduced	-	-

Media Transcoder Fan Tray Module Failure

Alarm Field	Description	
Description	The alarm is raised upon a failure in the Fan Tray module of the Media Transcoder.	
SNMP Alarm	acMtceHwFanTrayFailureAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.119	
Alarm Title	MT HW Fan Tray Failure	
Alarm Source	/MTCE#1/fanTray#1	
AlarmType	equipmentAlarm	
Probable Cause	heatingVentCoolingSystemProblem	

Alarm Field	Description		
Alarm Severity	Condition	Text	Corrective Action
Minor	Failure in Fan Tray module of Media Transcoder	"MTCE fan tray fault"	Fan Tray module is faulty. Send a Return Merchandise Authorization (RMA) request to AudioCodes.
Cleared	Fan Tray module status returns to normal	-	-

Media Transcoder Power Supply Module Failure

Alarm Field	Description				
Description	The alarm is raised upon a failure in the Power Supply module of the Media Transcoder.				
SNMP Alarm	acMtcePsuFailu	reAlarm			
SNMP OID	1.3.6.1.4.1.5003	3.9.10.1.21.2.0.	120		
Alarm Title	MT Power Supp	ly Failure			
Alarm Source	/MTCE#1/pov	werSupply#1			
Alarm Type	equipmentAlarm				
Probable Cause	powerProblem				
Alarm Severity	Condition Text Corrective Action				
Minor	Failure in "MTCE Check if the Power Supply module is inserted in the chassis.				
	module of Media Transcoder	supply unit fault"	If it was removed from the chassis, re-insert it.		
	Transcouct		If the Power Supply module is inserted in the chassis and the alarm is still raised, send a Return Merchandise Authorization (RMA) request to AudioCodes.		

Alarm Field	Description		
Cleared	Power Supply module status returns to normal	-	-

Cluster Bandwidth Utilization Alarm

Alarm Field		De	escription	
Description	The alarm is raised when the bandwidth utilization of a Cluster interface exceeds the configured maximum bandwidth (refer to the MtcClusterNetworkMaxBandwidth parameter).			
SNMP Alarm	acClusterBandv	widthAlarm		
SNMP OID	1.3.6.1.4.1.500	3.9.10.1.21.2.0.12	6	
Alarm Title	Cluster Bandwi	dth Utilization Ala	rm	
Alarm Source	Board#1/Ether	netLink# <ehternet< td=""><td>port number></td></ehternet<>	port number>	
Alarm Type	Other			
Probable Cause	performanceDegraded: Too many sessions processed on the specific Cluster interface. Cluster interface is being used by another application (e.g., OAMP).			
Additional Info	-	-		
Alarm Severity	Condition	Text	CorrectiveAction	
Major	Bandwidth utilization is greater than 90%.	"Cluster Bandwidth is above 90% utilization on Interface name: <name>. No more transcoding sessions will be allocated</name>	Reduce the number of Media Transcoders on that Cluster interface. Alternatively, the overall permitted bandwidth for the Cluster interfaces should be increased, if possible (using the ini file parameter MtcClusterNetworkMaxBandwidth).	

Alarm Field	Description		
		on that Cluster Interface"	
Minor	Bandwidth utilization is between 85 and 90%. Note: If a Major alarm was raised and the bandwidth later declined to between 80 and 85%, the alarm is changed to Minor.	"Cluster Bandwidth is above 85% utilization on Interface name: <name>"</name>	
Clear	Bandwidth utilization is less than 80%.		

Media Cluster Alarm

Alarm Field	Description
Description	The alarm is sent when the Media Cluster is enabled and one of the following scenarios exist:
	■ There are no operational Media Components in the Media Cluster.
	There are no media interfaces configured for the operational Media Components.
	Typically, using the Stack Manager to install, configure and manage Mediant CE prevents conditions (described below) that cause this alarm to be generated. However, if this alarm is generated, it is recommended to call the Healing stack operation, as described in the Stack Manager for Mediant CE SBC User's Manual.

Alarm Field		Description		
SNMP Alarm	acMediaClusterAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21	2.0.133		
Alarm Title	Media Cluster Alarm			
Alarm Source	Device/clusterManager			
Alarm Type	-			
Probable Cause	-			
Alarm Severity	Condition	Text	Corrective Action	
Major	Media Cluster is enabled, however, no media inter- face is configured for the operational Media Com- ponents	Media Cluster Alarm: Media Cluster <mc name="">, Remote Interface - Alarm Status is NoRmifPresent.</mc>	Configure media interfaces on the Media Components.	
Clear	A media interface is configured on the Media Component, or the Media Component is removed from the Cluster Manager	Media Cluster: Media Cluster <mc name="">, Remote Interface - Alarm Status is Clear</mc>	-	

Remote Interface Alarm

Table 6-4: Remote Interface Alarm

Alarm Fields	Description
Description	 This alarm is raised in the following circumstances: A Media Interface ethXX exists in the Remote Interface table, and this interface is used by one or more Media Realms; however, it is not defined in a specific Media Cluster.
	A Media Interface ethXX exists in the Remote Interface table of the Cluster Manager (CM) and is used by one or more Media Realms; however, it does not have a public IP address configured on the Media Cluster i.e. a NAT rule is defined for a Remote Interface which is

Alarm Fields		Description		
	referenced by a Media Realm, however, an MC does not have a public IP address for this interface. A Media Interface ethXX exists in the Remote Interface table of the Cluster Manager(CM) and is used by one or more Media Realms; however, it's status is link down. Typically, using the Stack Manager to install, configure and manage Mediant CE prevents conditions (described below) that cause this alarm to be generated. However, if this alarm is generated, it is recommended to call the Healing stack operation, as described in the Stack Manager for Mediant CE SBC User's Manual.			
SNMP Alarm	acMediaClusterRemo	oteInterfaceAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10	.1.21.2.0.134		
Alarm Title	Remote Interface Ala	rm		
Alarm Source	device/clusterManag	er/MC		
Alarm Type	Media Cluster			
Probable Cause	-			
Alarm Severity	Condition	Text	Corrective Action	
Major	According to description above.	 Interface <interface id="">, Name: <ethxx> - Alarm Status is RmifMissing</ethxx></interface> Interface <interface id="">, Name: <ethxx> - Alarm Status is PublicIpAddrMissing</ethxx></interface> Remote Interface Alarm: Interface <interface id="">, Name: <ethxx> - Alarm Status is LinkDown</ethxx></interface> 	 Add the appropriate Media Interface ethXX Configure a public IP address on the Media Cluster or remove the NAT rule. Troubleshoot the Media Interface ethXX 	

AWS Security Role Alarm

Alarm Field	Description		
Description	The alarm is sent when the Amazon Web Services (AWS) instance has not been configured with the required IAM role to access AWS services and resources.		
SNMP Alarm	acAWSSecurityRoleAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.139		
Alarm Title	AWS Security Role Alarm		
Alarm Source	Board#1		
Alarm Type	securityServiceOrMechanismViolation		
Probable Cause	configurationOrCustomizationError		
Alarm Severity	Condition		
Major	IAM role was not found, or access to AWS services was blocked		
Cleared	IAM role was found and permission to access AWS services was granted		

CDR Server Alarm

Alarm Field	Description		
Description	The alarm is sent when the device fails to send a locally stored CDR file to all the remote CDR (SFTP) servers, which are configured in the SBC CDR Remote Servers table.		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.142		
SNMP Alarm	acCDRServerAlarm		
Alarm Title	CDR Server Alarm		
Alarm Source	Board#1		
Alarm Type	equipmentAlarm		
Probable Cause	communicationsProtocolError		

Alarm Field	Description		
Alarm Severity	Condition	Text	Corrective Action
Major	Device failed to send the CDR local storage file to all the configured CDR servers.	"Device failed to send CDR local storage files to all configured SFTP servers"	Check the network connectivity to the remote server.
Cleared	Device successfully sent the CDR file to at least one of the CDR servers.	"Files transfer succeeded to one of the CDR servers"	-

Metering Alarm

Alarm Field		Description	
Description	The alarm is sent when the device fails to communicate with the Amazon Web Services (AWS) Marketplace metering API. The device needs to communicate with the Marketplace API when using AudioCodes' Metered License model to license the SBC, which is based on the device's usage (in minutes).		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.	21.2.0.146	
SNMP Alarm	acMeteringAlarm		
Alarm Title	Metering Alarm		
Alarm Source	Board#1 (SystemMO)		
Alarm Type	communicationsAlarm		
Probable Cause	communicationsProtocolError		
Alarm Severity	Condition Text Corrective Action		
Warning	The device is unable to send a usage report to the AWS metering service after it has initially	"No connection to metering API – service will be down in 3 hours"	Check the network configuration and make sure that the device

Alarm Field	Description		
	connected with it.		has the appropriate environment as required for the metering offer.
Critical	The device is unable to establish an initial connection with the AWS metering API, or has lost connectivity with the metering API for 3 hours since the last connection.	"Service down due to no connection to metering API"	Check the network configuration and make sure that the device has the appropriate environment as required for the metering offer.
Cleared	The device successfully communicates with the AWS metering API.	"Device succeeds to communicate with metering API"	-

MC Not Secured Alarm

This alarm is relevant for the Mediant CE SBC.

Alarm Field	Description	
Description	This alarm is raised when the connection between the Signaling Cluster (SC) and the Media Cluster (MC) fails or when an upgrade is not successfully applied by SC to the MC.	
SNMP Alarm	acMCNotSecuredAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.151	
Alarm Title	MC Not Secured	
Alarm Source	securityServiceOrMechanismViolation	
Alarm Type	alarmTrap	
Probable Cause	versionMismatch	

Alarm Field	Description			
Alarm Severity	Condition	Text	Corrective Action	
Warning	 When the SC is configured to work in TLS mode and then there is a switchover to the redundant SC, an MC in the cluster still connects to SC in nonsecure TCP mode. As a result, the connection between SC and MC fails. The MC is disconnected from the SC for unspecified reasons. 	No Connection with MC	Reset the disconnected MC.	
Warning	The SC attempts to load the user-requested firmware to the MC and then one of the following occurs: The upgrade is successful, however the connection cannot be established due to networking issues or to new firmware-related issues. The upgrade process fails and the MC boots up and connects with its previous firmware version.	Failed to upgrade MC software for MC	Check the firmware, reload the firmware to the MC and restart the MC.	
Warning	Its detected that SC is configured to work in TLS and MC is configured to work in TCP mode and therefore you need to upgrade or restart the device in order for MC to retrieve the updated configuration from SC in order to synchronize connection in TLS mode.	 MC MC choice should be upgraded MC choice choice should be restarted 	Upgrade and restart the MC that is currently operating in non-secure TCP mode.	

Alarm Field	Description		
Clear	 The MC successfully connects to SC in TLS secure mode. The firmware upgrade to the MC is successful and a connection is established between SC and MC. 		

TLS Certificate Mismatch Alarm

This alarm is relevant for the Mediant CE SBC device.

Alarm Field	Description			
Description	This alarm is raised when the Server Certificate file required to secure the TLS connection between the Signaling Cluster (SC)and the MC is not automatically loaded to MC and therefore there is a configuration mismatch between the Media Cluster and the SC.			
SNMP Alarm	acTLSCertificateMismatchAlarn	n		
SNMP OID	.1.3.6.1.4.1.5003.9.10.1.21.2.0.	.154		
Alarm Title	TLS Certificate Mismatch Alarm			
Alarm Source	communicationsAlarm			
Alarm Type	alarmTrap			
Probable Cause	communications Subsystem Failure			
Alarm Severity	Condition Text Corrective Action			
Minor	The certificate file required to secure the TLS connection between the SC and MC has not been automatically updated to the MC. Private key and Certificate file do not match. Certificate file do not match. Manually load the required server certificate file to the MC.			

Stack Manager Alarms

This section describes the Stack Manager alarms.

REST API Failure

Alarm Field	Description			
Description	This alarm is raised when the Stack Manager can't establish connection with the stack via REST API.			
SNMP Alarm	acSmRestApi			
SNMP OID	.1.3.6.1.4.1.5003	3.9.100.1.2.0.1		
Alarm Title	REST API Failure			
Alarm Source			ck-name> cack-name>/center or <stack-< td=""></stack-<>	
Event Type	Other			
Probable Cause	Other			
Alarm Severity	Condition	<text></text>	Corrective Action	
Major	The Stack Manager can't establish connection with Mediant VE/CE stack via REST API.	Cannot connect to SBC via REST API.	Ensure that Stack Manager can access the SBC management interface via HTTPS protocol. Use "curl -k https:// <sbc-ip>" command in Stack Manager CLI interface to verify whether HTTPS connection is working. If not, configure Network Security Group / firewall rules to allow the connection. If the HTTPS connection is working, however the Stack Manager still fails to connect to the REST API, update credentials used by the Stack Manager via the following procedure: 1. Log into the Stack Manager. 2. Select the stack that represents specific Mediant VE/CE. 3. In the toolbar, click Modify 4. In the Advanced Config section, enter the following parameters:</sbc-ip>	

Alarm Field		Des	scription
			username = <username> password = <password> 5. At the bottom of the screen, click Modify to apply the changes.</password></username>
Clear	Connection between the Stack Manager and the Mediant VE/CE is restored.	Successfully connected to SBC via REST API.	-
Major	The Stack Manager can't establish connection with Voice.Al Connects' Data center component via REST API.	Cannot connect to Data center via REST API.	Ensure that Stack Manager can access Data center management interface via HTTP protocol on port 8081. Use "curl http:// <center-ip>:8081" command in Stack Manager CLI interface to verify whether HTTP connection is working. If not, configure network security group / firewall rules to allow the connection.</center-ip>
Clear	Connection between the Stack Manager and Voice.AI Connects' Data center component has been restored.	Successfully connected to Data center via REST API.	
Major	Stack Manager can't establish connection with Voice.Al Connects' SBC component via REST API.	Cannot connect to SBC 'sbc-X' via REST API.	Ensure that Stack Manager can access the SBC Management interface via HTTPS protocol. Use "curl -k https:// <sbc-ip>" command in Stack Manager CLI interface to verify whether HTTPS connection is working. If not, configure Network Security Group / Firewall rules to</sbc-ip>

Alarm Field	Description		
			allow the connection.
Clear	Connection between the Stack Manager and Voice.AI Connects' SBC component has been restored.	Successfully connected to SBC 'sbc-X' via REST API.	

Stack Manager Down

Alarm Field	Description			
Description	This alarm is raised when one of the stack components is not in service.			
SNMP Alarm	acSmDown			
SNMP OID	.1.3.6.1.4.1.5003.9.1	00.1.2.0.2		
Alarm Title	Stack Manager Dowr	1		
Alarm Source	<stack-name>/<components-name> Where <component-name> is one of the following: For Mediant VE stack: 'sbc-X' For Mediant CE stack: 'sc-X' or 'mc-X' For Voice.Al Connect stack: 'center', 'sm-X' or 'sbc-X'</component-name></components-name></stack-name>			
Event Type	Other	Other		
Probable Cause	Other	Other		
Alarm Severity	Condition <text> Corrective Action</text>			
Minor	One of Mediant CE's components is not in service.	Signaling component 'sc-X' is 'down' Media	Return the component back into service. For example, start the corresponding VM.	

Alarm Field		Description		
		component 'mc-X' is 'down'		
Clear	Mediant CE's component is back in service.	Signaling component 'sc-X' is 'up' Media component 'mc-X' is 'up'	-	
Minor	Mediant VE's component is not in service.	Instance 'sbc-X' is 'down'	Return the component back into service. For example, start the corresponding VM.	
Clear	Mediant VE's component is back in service.	Instance 'sbc-X' is 'up'	-	
Minor	Voice.AI Connect's component is not in service.	Data center is 'down' Session manager 'sm-X' is 'down' SBC 'sbc-X' is 'down'	Return the component back into service. For example, start the corresponding VM.	
Clear	Voice.AI Connect's component is back in service.	Data center is 'up' Session manager 'sm-X' is up' SBC 'sbc-X' is 'up'	-	

Stack Manager Status Error

Alarm Field	Description
Description	This alarm is raised when the Stack Manager can't read the status of one of the stack components.

Alarm Field	Description				
SNMP Alarm	acSmStatusError	acSmStatusError			
SNMP OID	.1.3.6.1.4.1.5003.9.100.1.2	.0.3			
Alarm Title	Stack Manager Status Error				
Alarm Source	For Mediant CE stack: < For Voice.Al Connecty s		/sm-X		
Event Type	Other				
Probable Cause	Other				
Alarm Severity	Condition	<text></text>	Corrective Action		
Major	The Stack Manager can't read the status of Mediant CE's Media Components.	Cannot read media components status	Check Media Component status via Mediant CE Web management interface. Use "Heal" operation to fix Mediant CE configuration.		
Clear	The Stack Manager can read the status of Mediant CE's Media Components.	Successfully read media components status	-		
Minor	The Stack Manager can't read the status of Voice.Al Connect's session manager.	Session manager 'sm-X' is missing from Data center	Use "Heal" operation to fix Voice.Al Connect configuration.		
Clear	The Stack Manager can read the status of Voice.Al Connect's session manager.	Session manager 'sm-X' is present in Data center	-		

Stack Manager Configuration Error

Alarm Field		Description	
Description	This alarm is raised when the Stack Manager detects an error in the stacks configuration.		
SNMP Alarm	acSmConfError		
SNMP OID	.1.3.6.1.4.1.5003.9.100.1.2.0).4	
Alarm Title	Stack Manager Configuratio	n Error	
Alarm Source	<stack-name>/mc-X</stack-name>		
Event Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Minor	One of the media components is missing from Mediant CE's configuration.	Media component 'mc-X' is missing from SBC configuration.	Use "Heal" operation to fix Mediant CE configuration.
Clear	All media components are present in Mediant CE's configuration.	Media component 'mc-X' is present in SBC configuration.	-

Stack Manager Accelerated Network Error

Alarm Field	Description
Description	This alarm is raised when one of the stack components lack the correct accelerated networking configuration.
SNMP Alarm	acSmAccelNetwork
SNMP OID	.1.3.6.1.4.1.5003.9.100.1.2.0.5
Alarm Title	Stack Manager Accelerated Network Error
Alarm Source	<stack-name>/mc-X</stack-name>

Alarm Field		Description	
Event Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Minor	Accelerated networking is incorrectly configured on one of the Mediant CE's media components	Media component 'mc-X' lacks accelerated networking	The reason for the problem is an intermittent error in the Azure APIs (or temporary lack of resources in Azure Data center) during VM creation. To fix the problem, use the "Rebuild" operation to rebuild the corresponding media component.
Clear	Accelerated networking is correctly configured on the specific Mediant CE's media components.	Media component 'mc-X' lacks accelerated networking	-

Stack Manager No HA

Alarm Field	Description
Description	This alarm is raised when specific stack components are not in "high availability" state.
SNMP Alarm	acSmNoHa
SNMP OID	.1.3.6.1.4.1.5003.9.100.1.2.0.6
Alarm Title	Stack Manager No HA
Alarm Source	<stack-name></stack-name>

Alarm Field	Description		
Event Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Minor	Mediant CE's signaling components are not in "high availability" state.	Signaling components are not in HA mode.	Bring the redundant signaling component back into service. For example, start the corresponding VM.
Clear	Mediant CE's signaling components are in "high availability" state.	Signaling components are in HA mode.	-

Stack Manager Activity Log

Alarm Field	Description		
Description	This event is raised for activiti	es performed by the Stack	Manager
SNMP Alarm	acSmActivityLog		
SNMP OID	.1.3.6.1.4.1.5003.9.100.1.2.0.	7	
Alarm Title	Stack Manager Activity Log		
Alarm Source	<empty></empty>		
Event Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Indeterminate	Activity performed by user — e.g. stack was created or scaled-in.	Detailed description of activity performed by user.	

MP-1288 Alarms

This section describes the MP-1288 alarms.

Module Service Alarm

Alarm Field		Description	
Description	This alarm is raised in the following circumstances: Multiple FXS ports on a specific FXS blade are Out-Of-Service. Hardware faults with the blades DSP.		
SNMP Alarm	acModuleServiceAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0	.122	
Alarm Source	Chassis/Module# (Analog)		
Alarm Type	equipmentAlarm		
Probable Cause	equipmentMalfunction		
Alarm Severity	Condition	Text	Corrective Action
Minor	More than five FXS ports and less than 33% of FXS ports are Out-Of-Service on a this blade.	Multiple FXS ports are Out-Of- Service.	Service the faulty blade.
Major	 More than 33% of FXS ports are Out-Of-Service on this blade. There is a hardware fault on the DSP blade. If the fault is due to the exceeding of the high temperature limit, all FXS ports on this blade are Out-Of-Service. 	Multiple FXS ports are Out-Of- Service.	Service the faulty blade.
Clear	Major to Minor: Less than 25% of FXS ports are Out-Of-Service on the blade.	-	If this alarm has been raised as a result of a high DSP temperature as described above, then you must power restart the

Alarm Field	Description		
	The FXS module has less than 4 FXS ports that are Out-Of-Service on the blade.		device to return the blade to service.

Module Operation Alarm

Alarm Field	Decription			
Description	This alarm is raised when there is operational hardware failure on FXS port or the blades DSP/CPU.			
SNMP Alarm	acModuleOperationalAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2	2.0.123		
Alarm Source	Chassis/Module# (Analog /	CPU)		
Alarm Type	equipmentAlarm			
Probable Cause	equipmentMalfunction	equipmentMalfunction		
Alarm Severity	Condition	Text	Corrective Action	
Minor	An operational hardware failure has been detected on between one port to 33% of FXS ports on a specific blade.	Operational failure was detected on Analog/CPU blade.	Service the faulty blade.	
Major	An operational hardware failure has been detected on more than 33% of FXS ports on the blade.	Operational failure was detected on Analog/CPU blade.	Service the faulty blade.	
	An operational hardware failure has been detected on the blades DSP/CPU. The problem could not be resolved after successive restart attempts.	"Blade is out- of-service due to operational failure"		

Alarm Field		Decription	
Clear	Major to Minor: hardware faults have been detected on less than 25% of the blades FXS ports. Clear: No hardware faults have been detected on any of the blades FXS ports.		If this alarm has been raised as a result of DSP or CPLD failure as described above, then you must power restart the device to return the blade to service.

Port Service Alarm

Alarm Field	De	scription		
Description	This alarm is raised when an FXS port is out of service due to the following:			
	■ The Serial Peripheral Interface	(SPI) connection with the	port is lost.	
	■ The temperature threshold on	an FXS port has been exc	eeded.	
	An FXS port is inactive due to	a ground fault.		
SNMP Alarm	acPortServiceAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.124	1.3.6.1.4.1.5003.9.10.1.21.2.0.124		
Alarm Source	Chassis/Module#/FXS Port #			
Alarm Type	equipmentAlarm			
Probable Cause	outOfService			
Alarm Severity	Condition	Text	Corrective Action	
Minor	The relevant FXS ports is faulty due to the reasons described above. In addition, note the following: If the number of faulty FXS ports is above four on the same module, then the acModuleOperationAlarm alarm is raised (see above).	"FXS Port state was changed to Out of Service" (the detailed reason will be provided in: Syslog, in the Web detailed port status description and in WEB tooltip per FXS port)	Service the faulty FXS port.	

Alarm Field	Description
	If there were active sessions on the device, then these calls are disconnected. No new SIP outbound calls will be initiated towards these FXS lines on this device.
Clear	This alarm is cleared when: The Serial Peripheral Interface (SPI) connection is restored.
	The FXS port temperature falls within the threshold.The ground fault is cleared.
	The acModuleServiceAlarm (see above) is raised i.e. the number of faulty FXS ports on the module is above four.

MSBR Alarms

This section describes the MSBR alarms.

WAN Link Alarm

Alarm Field	Description
Description	This alarm is raised when the WAN Link is down and cleared when the link is up.
SNMP Alarm	acBoardWanLinkAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.79
Alarm Title	WAN Link alarm
Alarm Source	Board#x/WanLink#y
Alarm Type	equipmentAlarm
Probable Cause	underlyingResourceUnavailable

Alarm Field	Description
Severity	Major / Clear
Additional Info	-
Corrective Action	Connect the WAN port.

Power Over Ethernet Status [Event]

Alarm Field	Description
Description	This event is sent when Power over Ethernet (PoE) for a specific port is disabled.
SNMP Alarm	acPowerOverEthernetStatus
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.80
Alarm Title	[Event] Power over Ethernet Status
Alarm Source	-
Alarm Type	-
Probable Cause	underlyingResourceUnavailable
Event Text	"POE Port %d Was Not Powered Due To Power Management" where %d is the Ethernet port number
Default Severity	Indeterminate
Condition	This trap is sent when insufficient power is available for a plugged-in PoE client in a PoE-enabled LAN port.
Additional Info	-
Corrective Action	-

Wireless Cellular Modem Alarm

Alarm Field	Description				
Description	This alarm is raised when e mode and is cleared when		s modem is down or in backup dem is up.		
SNMP Alarm	acWirelessCellularModem#	Alarm			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.	2.0.82			
Alarm Title	Wireless Cellular Modem A	larm			
Alarm Source	Board#x/WanLink#y				
Alarm Type	equipmentAlarm	equipmentAlarm			
Probable Cause	underlyingResourceUnavailable				
Alarm Severity	Condition Text Corrective Action				
Major	Raised when either the wireless modem is down or in backup mode, and cleared when modem is up. Get the link up. Inv the possibility of ar electronics failure or problem with the real problem with the real problem.				
Clear	WAN link up	-	-		

Wireless Cellular Modem Status Changed

Alarm Field	Description		
Description	Sent upon a change in the status of the 3G cellular (wireless) USB modem. A change can be in any of the following:		
	■ Vendor ID		
	Product ID		
	Cellular state (shutdown or no shutdown)		
	Received Signal Strength Indicator (RSSI) in dBm		
	Cellular dongle status ("up" or "down")		
SNMP Alarm	acWirelessCellularModemStatusChanged		

Alarm Field	Description			
SNMP OID	1.3.6.1.4.1.5003	3.9.10.1.21.2.0.104		
Alarm Title	Wireless Cellula	ar Modem Status Changed		
Alarm Source	Board#x/WanLi	nk#y		
Alarm Type	Equipment Alar	m		
Probable Cause	other (0)			
Alarm Severity	Condition Text Correct Action			
Indeterminate	MSBR cellular interface: dongle type <vendor id="">:<product id="">,modem <"on" or "off">,RSSI <dbm value=""> DBM.</dbm></product></vendor>			

Data Interface Status

Alarm Field	Description
Description	This alarm is sent when a DSL interface state changes to up or down.
SNMP Alarm	acDataInterfaceStatus
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.83
Alarm Title	-
Alarm Source	-
Alarm Type	communicationsAlarm
Probable Cause	communicationsProtocolError
Severity	indeterminate
Additional Info	-
Corrective Action	-

NQM Connectivity Alarm

Alarm Field	Description			
Description	This alarm is raised when connectivity with the NQM probe destination is lost and cleared when connectivity with the NQM probe destination is re-established.			
SNMP Alarm	acNqmConnectivi	tyAlarm		
SNMP OID	1.3.6.1.4.1.5003.9	0.10.1.21.2.0.88		
Alarm Title	Connectivity with	NQM probe destina	ation is lost.	
Alarm Source	Board#%d/NqmSe	ender#%d		
Alarm Type	communicationsS	communicationsSubsystemFailure		
Probable Cause	Raised when Connectivity with NQM probe destination is lost			
Alarm Severity	Condition Text Corrective Action			
Minor	-	Connectivity with NQM probe destination is lost	Cleared when connectivity with the Noise Quality Measure (NQM) probe destination is re- established	

NQM RTT Alarm

Alarm Fields	Description		
Description	This alarm is raised when high RTT towards the NQM probe destination is detected.		
SNMP Alarm	acNqmRttAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.89		
Alarm Source	Board#%d/NqmSender#%d		
AlarmType	communicationsSubsystemFailure		
Probable Cause	Raised when Detected high RTT towards NQM probe destination		

Alarm Fields	Description			
Alarm Severity	Condition	Text	Corrective Action	
Minor	-	Detected high RTT towards NQM probe destination	To correct long RTT (Round Trip Time): Test with traceroute. Contact your ISP with the traceroute results. Use Wireshark or any other diagnostic tool to perform a traffic capture and determine who is contaminating the network.	

NQM Jitter Alarm

Alarm Field	Description			
Description	This alarm is r	aised when high Jitter t	towards the NQM probe destination is	
SNMP Alarm	acNqmJitter <i>A</i>	Alarm		
SNMP OID	1.3.6.1.4.1.50	003.9.10.1.21.2.0.90		
Alarm Title	NQM Jitter A	larm		
Alarm Source	Board#%d/N	qmSender#%d		
Alarm Type	Communicat	CommunicationsAlarm		
Probable Cause		Raised when Detected high Jitter towards NQM probe destination - thresholdCrossed		
Alarm Severity	Condition	Text	Corrective Action	
Minor	-	Detected high Jitter towards NQM probe destination	To correct high jitter: Test with traceroute. Contact your Internet Service Provider (ISP) with traceroute results. Implement Quality of Service (QoS).	

Alarm Field	Description			
				Note that there's no simple solution for high jitter. A systemic level solution may be required.

NQM Packet Loss Alarm

Alarm Field	Description			
Description	This alarm is raised when high packet loss towards the NQM probe destination is detected.			
SNMP Alarm	acNqmPacke	tLossAlarm		
SNMP OID	1.3.6.1.4.1.50	003.9.10.1.21.2.0.9	91	
Alarm Source	Board#%d/No	qmSender#%d		
Alarm Type	Communicati	onsAlarm		
Probable Cause	Raised when Detected high Packet Loss towards NQM probe destination			
Alarm Severity	Condition	n Text Corrective Action		
Minor	-	Detected high PL towards NQM probe destination	 To correct high packet loss (PL): Eliminate interference problems: Distance your modem from electrical devices Do not coil up any excess signal or power cables. Check the statistics counters of network nodes to determine where loss is occurring. Typically, each node in the network has a packet loss counter. Isolate the network segment where loss has been occurring. 	

NQM MOS CQ Alarm

Alarm Field	Description		
Description	This alarm is raised when low conversational voice quality towards the NQM probe destination is detected.		
SNMP Alarm	acNqmCqMo	sAlarm	
SNMP OID	1.3.6.1.4.1.50	003.9.10.1.21.2.0.95	
Alarm Title	Detected low destination	conversational voice qu	uality towards NQM probe
Alarm Source	Board#%d/No	qmSender#%d	
Alarm Type	communicati	onsAlarm	
Probable Cause	Raised when probe destina		ional voice quality towards NQM
Alarm Severity	Condition	Text	Corrective Action
Minor		Detected low conversational voice quality towards NQM probe destination	To fix the Noise Quality Measure (NQM) result: Perform corrective action for jitter. See NQM Jitter Alarm on page 205 Perform corrective action for Real Time Protocol (RTP) packet loss. See NQM Packet Loss Alarm on the previous page Perform corrective action for long Round-Trip Time (RTT) - the time it takes for packets to travel from source to destination. See NQM RTT Alarm on page 204 To fix the poor Conversational Quality (CQ) that the test indicates: Try changing the coder

Alarm Field	Description	
	 Try using RTP-Redundancy Perform corrective action for RTP packet loss. See NQM Packet Loss Alarm on page 206 	

NQM MOS LQ Alarm

Alarm Field	Description			
Description		This alarm is raised when low listening voice quality towards the NQM probe destination is detected.		
SNMP Alarm	acNqmLqMos	sAlarm		
SNMP OID	1.3.6.1.4.1.50	003.9.10.1.21.2.0.96		
Alarm Source	Board#%d/No	qmSender#%d		
AlarmType	communication	onsAlarm		
Probable Cause	Raised when detected low listening voice quality towards NQM probe destination			
Alarm Severity	Condition	Text	Corrective Action	
Minor	-	Detected low listening voice quality towards NQM probe destination	To fix the Noise Quality Measure (NQM) result: Perform corrective action for Real Time Protocol (RTP) packet loss. See NQM Packet Loss Alarm on page 206 To fix the poor listening quality that the test indicates: Try changing the coder Try using RTP-	

Alarm Field	Description		
			Redundancy
		•	Perform corrective action for RTP packet loss.
		•	See NQM Packet Loss Alarm on page 206

Mediant 3000 Hardware Alarms

This section describes the Mediant 3000 Hardware alarms.

PEM Module Alarm

Alarm Field		Descript	tion	
Description	 This alarm is sent 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 1.3.6.1.4.1.5003.9.10.1.2	1.2.0.31		
Alarm Source	chassis#0/PemCard# <m></m>	chassis#0/PemCard# <m>, where m is the power entry module's (PEM) slot</m>		
Alarm Type	equipmentAlarm			
Probable Cause	underlyingResourceUnavailable			
Alarm Severity	Condition	Text	Corrective Action	
Critical	The HA (High Availability) feature is active and one of the PEMs (Power Entry Modules) is missing.	PEM Mod- ule Alarm. PEM card is missing.	 Make sure the PEMs are present and that they're inserted correctly. If it's present and inserted correctly yet the alarm remains active, send a Return Merchandise 	

Alarm Field	Description		
			Authorization (RMA) request to AudioCodes.
Cleared	PEM card is placed and both DC wires are in.		

SA Module Missing Alarm

Alarm Field		Description		
Description	This alarm is sent w operational.	rhen the Shelf Alarm (SA) mo	dule is missing or non	
SNMP Alarm	acSAMissingAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.1	10.1.21.2.0.32		
Alarm Title	SA Module Missing	Alarm		
Alarm Source	Chassis#0/SA# <m>,</m>	where m is the shelf Alarm r	module's slot number	
Alarm Type	equipmentAlarm	equipmentAlarm		
Probable Cause	underlyingResourceUnavailable			
Alarm Severity	Condition	<text></text>	Corrective Action	
Critical (default)	SA module removed or missing	SA Module Alarm. SA- Module from slot #n is missing.	 Reinsert the Shelf Alarm (SA) module into slot #n Make sure it's correctly inserted in the slot. 	
Cleared	SA module is in slot 2 or 4 and working.	-	-	

User Input Alarm

Alarm Field		Description	
Description	Sent when the input dry contact is short circuited; cleared when the circuit is 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	equipmentAlarm		
Probable Cause	inputDeviceError		
Alarm Severity	Condition	Text	Corrective Action
Critical (default)	Input dry contact is short circuited.	User input Alarm. User's Input-Alarm turn on.	Reopen the input dry contact.
Cleared	Input dry contact circuit is reopened.	-	-

TM Inconsistency

Alarm Field	Description
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	underlyingResourceUnavailable

Alarm Field	Description
Cause	
Severity	Major, Clear
Additional Info	Status stays major until reboot. A clear trap is not sent.
Corrective Action	Synchronize the timing module.

TM Reference Status

Alarm Field	Description
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.

TM Reference Change

Alarm Field	Description
Description	The Timing Manager sends a log message upon PLL Status change.

Alarm Field	Description
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	-

PSTN Trunk Alarms

This section describes the PSTN Trunk alarms.

D-Channel Status

Table 6-5: D-Channel Status

Alarm Field	Description
Description	Non-alarm trap sent at the establishment, re-establishment or release of LAPD link with its peer connection occurs. The trap is sent with one of the following textual descriptions: D-channel synchronized D-channel not-synchronized
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).</m>

Alarm Field	Description
Alarm Type	Communications Alarm
Probable Cause	Communications Protocol Error
Severity	Minor on raise, Clear on clear
Additional Info	-
Corrective Action	-

SONET Section LOF Alarm

Alarm Field	Description			
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	acSonetSectionL	.OFAlarm		
SNMP OID	1.3.6.1.4.1.5003	.9.10.1.21.2.0.38		
Alarm Source	Interfaces#0/Soi	Interfaces#0/Sonet# <m>, where m is the SONET interface number</m>		
Alarm Type	communicationsAlarm			
Probable Cause	lossOfFrame			
Alarm Severity	Condition	Text	Corrective Action	
Critical	LOF condition is present on SONET no.n	SONET- Section LOF	Make sure the framing format on the port matches the format configured on the line. Note that the 'sonetSectionCurrentStatus' field in the sonetSectionCurrentTable will have a value sonetSectionLOF(4)	
Cleared	LOF condition is not present	LOF	-	

SONET Section LOS Alarm

Alarm Field	Description		
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	acSonetSection	nLOSAlarm	
SNMP OID	1.3.6.1.4.1.500	3.9.10.1.21.2.0	0.39
Alarm Source	Interfaces#0/S	onet# <m>, whe</m>	ere m is the SONET interface number
Alarm Type	communication	nsAlarm	
Probable Cause	lossOfSignal		
Alarm Severity	Condition	Text	Corrective Action
Critical (default)	LOS condition is present on SONET no #n	SONET- Section LOS	 Make sure the fiber optic cable is plugged in correctly. Make sure it's not damaged. Make sure its remote end is correctly connected and undamaged. Make sure that configuration of the remote port is correct. Note that the 'sonetSectionCurrentStatus' field in the sonetSectionCurrentTable will have a value sonetSectionLOS (2)
Cleared	LOS condition is not present	-	-

SONET Line AIS Alarm

Alarm Field	Description
Description	This alarm indicates that an AIS condition is present on SONET-Line #m. The field 'sonetLineCurrentStatus' in the sonetLineCurrentTable will have

Alarm Field	Description		
	a value of sonetLineAIS (2).		
SNMP Alarm	acSonetLineAISA	Marm	
SNMP OID	1.3.6.1.4.1.5003	.9.10.1.21.2.0.4	40
Alarm Source	Interfaces#0/So	net# <m>, wher</m>	e m is the SONET interface number
Alarm Type	communications	Alarm	
Probable Cause	receiveFailure		
Alarm Severity	Condition	Text	Corrective Action
Critical (default)	AIS condition is present on SONET-Line #n	SONET- Line AIS	If an Alarm Indication Signal (AIS) condition is present on a SONET line: Make sure the remote configuration is correct.
			Check the line status at the remote end of the link.
			Note that the 'sonetLineCurrentStatus' field in the sonetLineCurrentTable will have a value sonetLineAIS (2)
Cleared	AIS condition is not present.	-	-

SONET Line RDI Alarm

Alarm Field	Description
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 Source	Interfaces#0/Sonet# <m>, where m is the SONET interface number</m>
Alarm Type	communicationsAlarm

Alarm Field	Description		
Probable Cause	transmitFailure		
Alarm Severity	Condition	Text	Corrective Action
Critical (default)	RDI condition is present on SONET-Line #n	SONET-Line RDI	 Check the remote site for alarm conditions. Correct a line problem that has arisen from the remote interface. Note that the 'sonetLineCurrentStatus' field in the sonetLineCurrentTable will have a value sonetLineRDI (4)
Cleared	RDI condition is not present.	-	-

SONET/SDN IF Failure Alarm

Alarm Field	Description
Description	This alarm indicates a Hardware 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</m>
Alarm Type	Communications Alarm
Probable Cause	Transmit failure
Severity	Critical on raise, Clear on clear
Additional Info	-
Corrective Action	-

Trunk LOS Alarm

This alarm applies to E1/T1Trunks.

Alarm Field		D	escription	
Description	This alarm indicates a loss of signal at the trunk's near end.			
SNMP Alarm	acTrunksAlarmI	NearEndLOS		
SNMP OID	1.3.6.1.4.1.5003	3.9.10.1.21.2.0.49		
Alarm Title	Trunk LOS Alarr	n		
Alarm Source	Interfaces#0/Trunk# <m>, where m is the trunk interface number, 1 being the first trunk</m>			
Alarm Type	communication	communicationsAlarm		
Probable Cause	lossOfSignal			
Alarm Severity	Condition	Text	Corrective Action	
Critical (default)	Near-end LOS	Trunk LOS Alarm	Los of Signal (LOS) indicates a physical problem.	
			Check that the cable is connected on the board.	
			Check that the correct cable type is being used (crossed/straight).	
			Contact AudioCodes' Support Center at support@AudioCodes.com.	
Cleared	End of LOS	-	-	

Trunk LOF Alarm

This alarm applies to E1/T1Trunks.

Table 6-6: Trunk LOF Alarm

Alarm Field	Description
Description	This alarm indicates a loss of frame at the trunk's near end.

Alarm Field	Description		
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	Interfaces#0/Trunk# <m>, where m is the trunk interface number, 1 being the first trunk</m>		
Alarm Type	communicationsAlarm		
Probable Cause	lossOfFrame		
Alarm Severity	Condition	Text	Corrective Action
Critical (default)	Near end LOF	Trunk LOF Alarm	Make sure that the trunk is connected to a proper follow-up device. Make sure that both sides are con-
			figured with the same (E1 / T1) link type.
			Make sure that both sides are configured with the same framing method.
			Make sure that both sides are configured with the same line code.
			Make sure that the clocking setup is correct.
			Contact AudioCodes' Support Center at support@AudioCodes.com.
Cleared	End of LOF	-	-

Trunk AIS Alarm

This alarm applies to E1/T1Trunks.

Alarm Field	Description
Description	This alarm indicates that an AIS is received from the trunk's far end.
SNMP Alarm	acTrunksAlarmRcvAlS

Alarm Field	Description			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.51			
Alarm Title	Trunk AIS Ala	Trunk AIS Alarm		
Alarm Source	Interfaces#0/Trunk# <m>, where m is the trunk interface number, 1 being the first trunk</m>			
Alarm Type	communicationsAlarm			
Probable Cause	PSTN provider has stopped the trunk (receiveFailure)			
Alarm Severity	Condition	Text	Corrective Action	
Critical	Receive AIS	Trunk AIS Alarm	 Contact your PSTN provider to activate the trunk. If the alarm persists, contact the 	
			AudioCodes Support Center at support@AudioCodes.com	
Cleared	End of AIS	_	-	

Trunk RAI Alarm

Alarm Field	Description
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</n>
Alarm Type	communicationsAlarm
Probable Cause	transmitFailure
Severity	Critical
Additional Info	-
Corrective Action	Check trunk's connectivity

V5.2 Interface Alarm

Table 6-7: V5.2 Interface Alarm

Alarm Field	Description
Description	A V5.2 Interface alarm is raised in one of the following cases. For detailed V5.2 Interface condition, refer to the V5.2 Interfaces status table. An Alarm is raised with critical severity when:
	■ V5 interfaces ID are not equal on both sides
	■ V5 variants are not equal on both sides
	■ V5 link ID check timeout error occurred
	Layer 2 startup failed
	■ V5 restart failed
	An Alarm is raised with major severity when:
	Control protocol data link error
	Link control protocol data link error
	BCC protocol data link error
	PSTN protocol data link error
	Protection DL1 failure
	Protection DL2 failure
SNMP Alarm	acV52InterfaceAlarm
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.60
Alarm Title	V5.2 Interface Alarm.
Alarm Source	V5.2IF#
Alarm Type	Communications Alarm
Probable Cause	Communications Protocol Error
Severity	Critical, Major, Clear
Additional Info	-
Corrective Action	For critical severity alarms, solve configuration mismatch (configuration does not comply to far end configuration).

Alarm Field	Description
	For major severity alarms:
	Ensure physical connections are in place.
	Ensure links are not administratively blocked.
	Resolve configuration issues.

SONET Path STS LOP Alarm

Alarm Field	Description
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></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).

SONET Path STS AIS Alarm

Alarm Field	Description
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 Field	Description
Alarm Source	Interfaces#0/Path# <m></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

SONET Path STS RDI Alarm

Alarm Field	Description
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></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

SONET Path Unequipped Alarm

Alarm Field	Description
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></m>
Alarm Type	communicationsAlarm
Probable Cause	receiveFailure
Severity	Critical / clear
Additional Info	-
Corrective Action	Equip the path on the far-end

SONET Path Signal Label Alarm

Alarm Field	Description
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></m>
Alarm Type	communicationsAlarm
Probable Cause	receiveFailure
Severity	Critical / clear
Additional	-

Alarm Field	Description				
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).				

DS1 Line Status Alarm

Alarm Field	Description				
Description	Indicates the Line Status of the interface. It contains loopback, failure, received 'alarm' and transmitted 'alarms' information.				
SNMP Alarm	ds1LineStatus				
SNMP OID	1.3.6.1.2.1.10.18.15.	0.1			
Alarm Source	Interfaces#0/Trunk# <m>, where m is the trunk interface number, 1 being the first trunk</m>				
Alarm Type	communicationsAlar	m			
Probable Cause	-				
Alarm Severity	Text	Additional Info1,2,3			
-	DS1 Line Status	Updated DS1 Line Status.			
		This variable indicates the Line Status of the interface. It contains loopback, failure, received 'alarm' and transmitted 'alarms' information.			
		dsx1LineStatus is a bitmap represented as a sum, so 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: 1dsx1NoAlarmNo alarm present			
		2dsx1RcvFarEndLOFFar end LOF (a.k.a., Yellow Alarm)			
	4dsx1XmtFarEndLOFNear end sending LOF Indication				

Alarm Field	Description				
	8dsx1RcvAlSFar end sending AlS 16dsx1XmtAlSNear end sending AlS 32dsx1LossOfFrameNear end LOF (a.k.a., Red Alarm) 64dsx1LossOfSignalNear end Loss Of Signal 128dsx1LoopbackStateNear end is looped 256dsx1T16AlSE1 TS16 AlS 512dsx1RcvFarEndLOMFFar End Sending TS16 LOMF 1024dsx1XmtFarEndLOMFNear End Sending TS16 LOMF 2048dsx1RcvTestCodeNear End detects a test code 4096dsx1OtherFailureAny line status not defined here 8192dsx1UnavailSigStateNear End in Unavailable Signal State 16384dsx1NetEquipOOSCarrier Equipment Out of Service 32768dsx1RcvPayloadAlSDS2 Payload AlS 65536dsx1Ds2PerfThresholdDS2 Performance Threshold Exceeded				

DS3 RAI Alarm

Alarm Field	Description				
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></m>				
Alarm Type	communicationsAlarm				
Probable Cause	transmitFailure				

Alarm Field	Description				
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				

DS3 AIS Alarm

Alarm Field	Description				
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></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				

DS3 LOF Alarm

Alarm Field	Description					
Description	This alarm is issued when the LOF condition is present on the DS3 Interface #m.					
SNMP Alarm	acDS3LOFAlarm					

Alarm Field	Description				
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></m>				
Alarm Type	communicationsAlarm				
Probable Cause	receiveFailure				
Severity	Critical / Cleared				
Additional Info	-				
Corrective Action	Check and correct the DS3 framing				

DS3 LOS Alarm

Alarm Field	Description				
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></m>				
Alarm Type	communicationsAlarm				
Probable Cause	lossOfFrame				
Severity	Critical / Cleared				
Additional Info	-				
Corrective Action	Check the cable connections or cable length				

NFAS Group Alarm

Alarm Field		Description				
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	SNMP Alarm		acNFASGroupAlarm			
SNMP OID		1.3.6.1.4.1.5003.9.10.1.21.2.0.84				
Alarm Source		Interfaces#0/Trunk# <m>, where m is the trunk interface number, 1 being the first trunk</m>				
Alarm Type		communicationsAlarm				
Probable Cau	ıse	degradedSign	degradedSignal			
Alarm Severity	Co	ondition	Text		Corrective Action	
Major (default)	Raised when an NFAS group goes out-of- service		NFAS Group Alarm. %s	•	The alarm is sent only when the backup Non-Facility Associated Signaling (NFAS) D-channel also falls, i.e., when both D-channels are down.	
					When at least one of the	
				•	D-channels (primary or backup) returns to service, the alarm is cleared.	
					Corrective action is not necessary.	
Clear	NFAS group state goes to in- service		%s– Additional information	-		

B Channel Alarm

Alarm Field	Description					
Description	This alarm is raised when the B-Channel service state changes and is cleared when the BChannel is back in service.					
SNMP Alarm	acBChannelAlarm					

Alarm Field	Description					
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.85					
Alarm Title	B-Channel Alarm					
Alarm Source	Interfaces#0/Trunk# <m>, where m is the trunk interface number, 1 being the first trunk</m>					
AlarmType	communicationsAlarm					
Probable Cause	DegradedSignal					
Additional Info	-					
Alarm Severity	Condition Text Corrective Action					
Major (default)	Raised when B-channel service state changes to 'Out of Service' or 'Maintenance' B-Channel Alarm. Corrective %s Action is necessary					
Clear	B-channel status changes to 'In Ser-vice' %s – additional information					

Analog Port Alarms

This section describes the Analog port alarms.

Analog Port SPI Out of Service

Alarm Field	Description		
Description	This alarm indicates that an analog port out of service.		
SNMP Alarm	acAnalogPortSPIOutOfService		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.46		
Alarm Title	Analog Port SPI out of service		
Alarm Source	Port# <m> where m is the analog port number</m>		
Alarm Type	Physical Violation		

Alarm Field	Description	
Probable Cause	Equipment Malfunction	
Severity	Major on raise, Clear on clear	
Additional Info	-	
Corrective Action	-	

Analog Port High Temperature

Alarm Field	Description			
Description	This alarm indicates that an analog FXS port has a high temperature.			
SNMP Alarm	acAnalogPortHighTemperature			
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.47			
Alarm Title	Analog Port High Temperature			
Alarm Source	Port# <m> where m is the analog port number</m>			
Alarm Type	Physical Violation			
Probable Cause	Equipment Malfunction			
Severity	Major on raise, Clear on clear			
Additional Info	-			
Corrective Action	-			

Analog Port Ground Fault Out-of-Service Alarm

Alarm Field	Description		
Description	This alarm indicates that there is a ground fault in the analog port.		
SNMP Alarm	acAnalogPortGroundFaultOutOfService		
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.76		
Alarm Title	Analog Port Ground Fault Out Of Service		
Alarm Source	System#0/analogports# <n>, where n is the port number</n>		

Alarm Field	Description		
Alarm Text	Analog Port Ground Fault Out Of Service		
Alarm Type	physical Violation		
Probable Cause	equipmentMalfunction (this alarm is raised when the FXS port is inactive due to a ground fault)		
Default Severity	Major / Clear		
Corrective Action	No corrective action is required.The device shuts down the port and tries to activate it again when the relevant alarm is over.		
Note	Relevant to FXS only.		

Dial Plan File Replaced Trap

Alarm Field	Description
Description	Indicates that the dial plan file has been replaced.
SNMP Alarm	acDialPlanFileReplaced
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.45
Default Severity	Indeterminate
Alarm Type	Other (0)
Probable Cause	Other (0)
Status Change	
Condition	Successful dial plan file replacement
Trap Text	Dial plan file replacement complete.

Analog Line Left Off Hook Alarm

Alarm Field	Description	
Description	The alarm is sent when an analog FXS phone is left off-hook for a user-defined time, configured by the FXSOffhookTimeoutAlarm parameter.	

Alarm Field	Description				
SNMP Alarm	acAnalogLineLeftOffhookAlarm				
SNMP OID	1.3.6.1.4.1.5003.9.10.1.21.2.0.141				
Alarm Source	Board#1/SipAnalogEp# <id></id>				
Event Type	equipmentAlarm				
Probable Cause					
Alarm Severity	Condition Text Corrective Action				
Major	FXS phone is left off-hook for a user-defined time (configured by the FXSOffhookTimeoutAlarm parameter) "Left Offhook Line handset on the hook (on-hook position).				
Clear	FXS phone returns to on-hook position or the phone's hook-flash button is pressed.	-	-		

UMP-365 and CloudBond Microsoft Platform Alarms

This section describes the Microsoft platform alarms for the UMP-365 and CloudBond products.

Commit License Failed

Alarm Field	Description		
Description	This alarm is raised when the OVOC Main Agent is unable to store the license in the Active Directory.		
SNMP Alarm	acCbManLicenseCommitAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.1		
Alarm Title	Commit License Failed		
Alarm Source	N/A		
Alarm Type	Other		
Probable	Other		

Alarm Field	Description		
Cause			
Additional Info	-		
Alarm Severity	Condition	Text	CorrectiveAction
Major	Unable to store the license in the Active Directory	Unable to commit the license in Active Directory.	Verify that OVOC Agent can access the local Active Directory. Verify that the local Active Directory contains the contact 'CbLicense'.
Cleared	The license has been successfully stored in the Active Directory.	-	

Component Unreachable

Alarm Field	Description			
Description	This alarm is raised when the Ovoc Main Agent is unable to connect to one of the client agents in the environment.			
SNMP Alarm	acCbManEnvUnreachableAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.2			
Alarm Source	<n> (where n is the component IP and port or unique name)</n>			
Alarm Title	Component Unreachable			
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition <text> Corrective Action</text>			
Major	Client agent is Unable to connect to the client unavailable agent on <component name="">.</component>			

Alarm Field	Description		
Cleared	Client agent is available again.		

Component Restart

Alarm Field	Description		
Description	This alarm is raised when a CloudBond or UMP-365 component has restarted.		
SNMP Alarm	acCbManEnvRestartEvent		
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.3		
Alarm Title	Event – Component Restart		
Alarm Source	<n> (where n is the component name)</n>		
Alarm Type	Other		
Probable Cause	Other		
Additional Info	The restart reason		
Alarm Severity	Condition	Text	Corrective Action
Major	Indeterminate	CCE Appliance component <component name=""> restarted</component>	-
Cleared	-	-	

Performance Counter General

Alarm Field	Description	
Description	This alarm is raised when the generic performance counter has reached a pre-defined threshold for memory/CPU/disk.	
SNMP Alarm	acCbCompPcGenAlarm	

Alarm Field	Description				
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.11				
Alarm Source	<n>\<g>\ (where n is the component name or ip:port, g is the performance group and p is performance counter name)</g></n>				
Alarm Title	Component Performance Counter General				
Alarm Type	QualityOfServiceAlarm				
Probable Cause	Other				
Additional Info					
Alarm Severity	Condition	<text></text>	Corrective Action		
Critical	Pre-defined severity per counter type.	<performance counter=""> high level <x>.</x></performance>			
Major	Pre-defined severity per counter type.	<performance counter> high level <x>.</x></performance 			
Warning	Pre-defined severity per counter type.	<performance counter=""> high level <x>.</x></performance>			
Cleared	When counter returns below the threshold level.				

Performance Counter Service

Alarm Field	Description	
Description	This alarm is raised when the service-related performance counter has reached a pre-defined threshold. Related to activity of windows services usually taken from KHI.	
SNMP Alarm	acCbCompPcServAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.12	

Alarm Field	Description		
Alarm Source	<n>\<g>\ (where n is the component name, g is the performance group and p is performance counter name)</g></n>		
Alarm Title	Component Performance	ce Counter Service	
Alarm Type	QualityOfServiceAlarm		
Probable Cause			
Additional Info			
Alarm Severity	Condition	<text></text>	Corrective Action
Critical	Pre-defined severity per each counter type	<performance counter> high level <x></x></performance 	
Major	Pre-defined severity per each counter type	<performance counter> high level <x></x></performance 	
Warning	Pre-defined severity per each counter type	<performance counter> high level <x></x></performance 	a.
Cleared	When counter returns below the threshold level.		

Component Service Status

Alarm Field	Description	
Description	This alarm is raised when a CloudBond or UMP-365 component service is down.	
SNMP Alarm	acCbCompSrvAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.13	
Alarm Source	<n>\<sn> (where n is the component name and sn is the service name)</sn></n>	

Alarm Field	Description			
Alarm Title	Component Service	Status		
Alarm Type	Other			
Probable Cause	Other			
Additional Info				
Alarm Severity	Condition <text> Corrective Actio</text>			
Critical	Service is down	SERVICE_STOPPED (indicates which service is down)		
Major	Service is down	SERVICE_STOPPED (indicates which service is down)		
Warning	Service is down	SERVICE_STOPPED. (indicates which service is down)		
Cleared	Service is running SERVICE_RUNNING			

Note: the severity is determined according to the service's importance to system functionality.

Component Event Viewer

Alarm Field	Description	
Description	This alarm is raised when report is generated in the Event Viewer for a CloudBond or UMP-365 component error.	
SNMP Alarm	acCbCompEventViewer	
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.14	
Alarm Source	<n>\<e> (where n is the component name and e is Type of event (System/Security))</e></n>	
Alarm Title	Component Event Viewer	
Alarm Type	Other	

Alarm Field	Description		
Probable Cause	Other		
Additional Info	Contains the original severity of the event. This event is displayed in the EMS as type "Info".		
Alarm Severity	Condition <text> Corrective Action</text>		
Indeterminate	The text of the event		

Component Event Viewer Past Hours

Alarm Field	Description		
Description	This alarm is raised when an error is generated in the Event Viewer in the past 24 hours.		
SNMP Alarm	acCbCompEventLogAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.15		
Alarm Source	<n> (where n is the component</n>	t name)	
Alarm Title	Component Event Viewer Past	Hours	
Alarm Type	Other		
Probable Cause	Other		
Additional Info			
Alarm Severity	Condition	<text></text>	Corrective Action
Critical	Event Log has a Critical The event log has a. alarm. errors		
Major	Event Log has a Major alarm. The event log has errors		
Warning	Event Log has a Warning The event log has a. alarm.		
Cleared	No errors have occurred in the past hours.		

Component Event Viewer Dropped

Alarm Field	Description	
Description	This alarm is raised when events from the Event Viewer are dropped and not sent to the OVOC after the sending rate threshold has been exceeded.	
SNMP Alarm	acCbCompEventViewerDropped	
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.16	
Alarm Source	N/A	
Alarm Title	Component Event Viewer Dropped	
Alarm Type	Other	
Probable Cause	Other	
Additional Info		
Alarm Severity	Indeterminate	

Alarm-Admin License Expired

Alarm Field	Description
Description	This alarm is raised when the product license is invalid or has expired.
SNMP Alarm	acCbAdminLicInvalidAlarm
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.21
Alarm Title	Product License Expired
Alarm Source	N/a
Alarm Type	Other
Probable Cause	Other
Additional Info	

Alarm Field	Description		
Alarm Severity	Condition	<text></text>	Corrective Action
Major	License is invalid/expired	License will expired in <number days="" left="" of=""></number>Days.	Check the license server of update new license.
Cleared	License is valid		

Certificate Expired Alarm

Alarm Field	Description				
Description	This alarm is raised when a certificate of a Cloudbond or UMP-365 component is about to expire.				
SNMP Alarm	acCceAdminCertif	acCceAdminCertificateExpiredAlarm			
SNMP OID	1.3.6.1.4.1.5003.9	0.80.3.2.0.32			
Alarm Title	Certificate Expired	d Alarm			
Alarm Source	N/A				
Alarm Type	Other	Other			
Probable Cause	Other				
Additional Info	-				
Alarm Severity	Condition Text Corrective Action				
Critical	Pre-defined Certificate will Open certificate manager. If severity per expires in <days and="" certificate="" expired="" it.<="" renew="" td="" the=""></days>				
Major	Pre-defined Certificate will Open certificate manager. Fin severity per expires in <days left="" threshold=""> days renew it.</days>				
Warning	Pre-defined	Certificate will	Open certificate manager. Find		

Alarm Field	Description		
	severity per threshold	expires in <daysleft> days</daysleft>	the expired certificate and renew it.
Cleared	When cer- tificate renewed	-	-

Alarm-Disk Space

Alarm Field	Description			
Description	This alarm is raised when the host machine disk space is above the pre- defined threshold.			
SNMP Alarm	acCceDiskSpace <i>i</i>	Alarm		
SNMP OID	1.3.6.1.4.1.5003	.9.80.3.2.0.36		
Alarm Title	Disk Space Alarn	n		
Alarm Source	Host/C:\			
Alarm Type	Other	Other		
Probable Cause	Other			
Additional Info	-			
Alarm Severity	Condition	Text	CorrectiveAction	
Major	Pre-defined severity for percentage of	Disk space usage is over {0}%	Free temporary files and other unnecessary files from the CCE appliance Host disk.	
	used disk space.		Validate on the HyperV machine that you can view up to two versions of the CCE Appliance. If you view more versions, clear the old CCE version VMs.	
Clear	Pre-defined severity for	Disk space usage is	Free temporary files and other unnecessary files from the CCE	

Alarm Field			Description
	percentage of used disk space.	over {0}%	appliance Host disk. Validate on the HyperV machine that you can view up to two versions of the CCE Appliance. If you view more versions, clear the old CCE version VMs.

Fax Server

This section describes the Fax Server alarms.

System Alarms

This section describes the Fax server System alarms.

Component Unreachable

Alarm Field	Description			
Description	This alarm is raised when the Ovoc Main Agent is unable to connect to one of the client agents in the environment.			
SNMP Alarm	acGaManEnvUnrea	chableAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.	110.3.2.0.1		
Alarm Source	<n> (where n is the</n>	component IP and port or unique	name)	
Alarm Title	Component Unread	chable		
Alarm Type	Other	Other		
Probable Cause	Other			
Alarm Severity	Condition	<text></text>	Corrective Action	
Major	Client agent is unavailable	Unable to connect to the client agent on <component name="">.</component>		
Major	Fax Server is unavailable	Unable to connect to admin.		
Cleared	Client agent is			

Alarm Field	Description		
	available again.		

Component Restart

Alarm Field	Description		
SNMP Alarm	acGaManEnvRestartEvent		
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.2		
Alarm Source	<n> (where n is the component name)</n>		
Alarm Title	Component Restart		
Alarm Type	Other		
Probable Cause	Other		
Additional Info	The restart reason		
Alarm Severity	Condition	<text></text>	Corrective Action
Major	component <component name=""> a. restarted</component>		

Component Resource Failed

Alarm Field	Description
Description	This event sent when a resource allocation on a component fails.
SNMP Alarm	acGaCompResFailedEvent
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.9
Alarm Source	<n><rn> (where n is the name of the component or ip:port and rn is the resource name)</rn></n>
Alarm Title	Component Resource Error
Alarm Type	Other

Alarm Field		Description	
Probable Cause	Other		
Additional Info			
Alarm Severity	Condition	<text></text>	Corrective Action
Minor	Fax channel reached timeout.	Fax server channel reached timeout	

Component Resource Down

Alarm Field	Description			
Description	This alarm is raised when a	resource is down a	nd can't be used.	
SNMP Alarm	acGaCompResDownAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2	.0.10		
Alarm Source	FaxCall			
Alarm Title				
Alarm Type	Other	Other		
Probable Cause	Other			
Additional Info				
Alarm Severity	Condition	<text></text>	Corrective Action	
Major	Failed to execute a test call.	Fax call failure	Check Commetrex fax service	
Cleared	Test call succeed.			

Agent Alarms

This section describes the Fax server Agent alarms.

Component Performance Counter General

Alarm Field		Description	
Description	This alarm is raised when the generic performance counter has reached a pre-defined threshold for memory/CPU/disk.		
SNMP Alarm	acGaCompPcGenAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2	.0.21	
Alarm Source	<n>\<g>\ (where n is the performance group and p</g></n>		
Alarm Title	Component Performance (Counter General	
Alarm Type	QualityOfServiceAlarm		
Probable Cause	Other		
Additional Info			
Alarm Severity	Condition	<text></text>	Corrective Action
Critical	Pre-defined severity per counter type.	<performance counter> high level <x>.</x></performance 	a.
Major	Pre-defined severity per counter type.	<performance counter> high level <x>.</x></performance 	а.
Warning	Pre-defined severity per counter type.	<performance counter> high level <x>.</x></performance 	a.
Cleared	When counter returns below the threshold level.		

Performance Counter Service

Alarm Field		Description	
Description	This alarm is raised when the service-related performance counter has reached a pre-defined threshold. Related to activity of windows services usually taken from KHI.		
SNMP Alarm	acGaCompPcServAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.110.3	3.2.0.22	
Alarm Source	<n>\<g>\ (where n i group and p is perform</g></n>	s the component name, ance counter name)	g is the performance
Alarm Title	Component Performance	ce Counter Service	
Alarm Type	QualityOfServiceAlarm		
Probable Cause			
Additional Info			
Alarm Severity	Condition	<text></text>	Corrective Action
Critical	Pre-defined severity per each counter type	<performance counter> high level <x></x></performance 	a.
Major	Pre-defined severity per each counter type	<performance counter> high level <x></x></performance 	a.
Warning	Pre-defined severity per each counter type	<performance counter> high level <x></x></performance 	a.
Cleared	When counter returns below the threshold level.		

Component Service Status

Alarm Field		Description		
Description	This alarm is raised	This alarm is raised when a component service is down.		
SNMP Alarm	acGaCompSrvAlarn	1		
SNMP OID	1.3.6.1.4.1.5003.9.2	110.3.2.0.23		
	name) • BladeWare	BladeWare FaxAlarmsManager F2M F2MW Fax_Receiver M2FHM		
Alarm Title	Component Service	status		
Alarm Type	Other	Other		
Probable Cause	Other			
Additional Info				
Alarm Severity	Condition	<text></text>	Corrective Action	
Critical	Service is down	SERVICE_STOPPED (indicates which service is down)	a.	
Major	Service is down	SERVICE_STOPPED (indicates which service is down)	a.	
Warning	Service is down	SERVICE_STOPPED. (indicates which service is down)	a.	
Cleared	Service is running	SERVICE_RUNNING		

Component Event Viewer

Alarm Field	Description			
Description	This event sent when report is generated in the Event Viewer for a component error.			
SNMP Alarm	acGaCompEventViewe	r		
SNMP OID	1.3.6.1.4.1.5003.9.110	.3.2.0.24		
Alarm Source	<n>\<e> (where n is th (System/Security))</e></n>	<n>\<e> (where n is the component name and e is Type of event (System/Security))</e></n>		
Alarm Title	Component Event Viewer			
Alarm Type	Other			
Probable Cause	Other			
Additional Info	Contains the original severity of the event. This event is displayed in the EMS as type "Info".			
Alarm Severity	Condition	<text></text>	Corrective Action	
Indeterminate		The text of the event		

Component Event Viewer Past Hours

Alarm Field	Description
Description	This alarm is raised when an error is generated in the Event Viewer in the past 24 hours.
SNMP Alarm	acGaCompEventLogAlarm
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.25
Alarm Source	<n> (where n is the component name)</n>
Alarm Title	Component Event Viewer Past Hours
Alarm Type	Other
Probable Cause	Other
Additional	

Alarm Field	Description		
Info			
Alarm Severity	Condition	<text></text>	Corrective Action
Critical	Event Log has a Critical alarm.	The event log has errors	a.
Major	Event Log has a Major alarm.	The event log has errors	a.
Warning	Event Log has a Warning alarm.	The event log has errors	a.
Cleared	No errors have occurred in the past hours.		

Component Event Viewer Dropped

Alarm Field	Description
Description	This alarm is raised when events from the Event Viewer are dropped and not sent to the OVOC after the sending rate threshold has been exceeded.
SNMP Alarm	acGaCompEventViewerDropped
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.26
Alarm Source	N/A
Alarm Title	Component Event Viewer Dropped
Alarm Type	Other
Probable Cause	Other
Additional Info	
Alarm Severity	Indeterminate

Certificate Expired

Alarm Field	Description		
Description	This alarm is raised when the certificate in the component is about to expire.		
SNMP Alarm	acGaCompCerti	ficateExpiredAlarm	
SNMP OID	1.3.6.1.4.1.5003	3.9.110.3.2.0.27	
Alarm Source	<n> (where n is the component name)</n>		
Alarm Text	Certificate will expires in <days left=""> days</days>		
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Critical/Major/Warning	Pre-defined severity per threshold	Certificate will expires in <days left=""> days</days>	Verify which certificate will expire soon and renew it.
Cleared	When certificate is renewed		

Disk Space

Alarm Field	Description
Description	This alarm is raised when the server disk space on the component is above pre-defined threshold.
SNMP Alarm	acGaDiskSpaceAlarm
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.28
Alarm Source	<n>/<e> (where n is the component name and e is drive letter 'c:')</e></n>
Alarm Text	Disk space usage is over {0}%
Alarm Type	Other

Alarm Field	Description		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Critical/Major/Warning	Pre-defined severity for percentage of used disk space.	Disk space usage is over {0}%	Free temporary files and other unnecessary file from the disk.
Cleared	Used disk space is below threshold.		

License Alarms

This section describes the Fax server License alarms.

Admin License Expired

Alarm Field	Description			
Description	This alarm is raised	d when the product license is	invalid/ expired.	
SNMP Alarm	acGaManLicInvalid	IAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.	110.3.2.0.42		
Alarm Source	N/a			
Alarm Title	Product License Ex	Product License Expired		
Alarm Type	Other	Other		
Probable Cause	Other			
Additional Info				
Alarm Severity	Condition	<text></text>	Corrective Action	
Major	License is invalid/expired	License will expired in <number days="" left="" of=""></number>Days.	a. Check the license server of update new license.	

Alarm Field	Description		
Cleared	License is valid		

Admin License Violation

Alarm Field	Description			
Description		This event sent when the administrator attempts to define users/resources exceeding the maximum capacity set by license.		
SNMP Alarm	acGaManLicViolationEvent			
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.	0.43		
Alarm Source	N/A			
Alarm Title	Admin License Violation			
Alarm Type	Other			
Probable Cause	Other			
Additional Info				
Alarm Severity	Minor			
Alarm Severity	Condition	<text></text>	Corrective Action	
Minor	The number of users exceed the limitation in thelicense.	Exceed number of users limitation in license	Check the license server of update new license.	

IVR Alarms

This section describes the IVR alarms.

System Alarms

This section describes the IVR System alarms.

IVR Alarm – Component Unreachable

Alarm Field	Description		
Description	his alarm is raised when the EMS Main Agent is unable to connect to one of the client agents in the environment.		
SNMP Alarm	acVAManEnvUnrea	nchableAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.	110.3.2.0.1	
Alarm Source	<n> (where n is the</n>	component IP and port or unique	name)
Alarm Title	Component Unreachable		
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Major	Client agent is unavailable	Unable to connect to the client agent on <component name="">.</component>	-
Major	IVR is unavailable	Unable to connect to admin.	-
Cleared	Client agent is available again.		

IVR Component Restart

Alarm Field	Description
Description	This alarm is raised when a client agent on component has restarted.
SNMP Alarm	acVAManEnvRestartEvent
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.2
Alarm Source	<n> (where n is the component name)</n>
Alarm Title	Component Restart
Alarm Type	Other
Probable	Other

Alarm Field	Description		
Cause			
Additional Info	The restart reason		
Alarm Severity	Condition	<text></text>	Corrective Action
Major	component <component name=""> restarted</component>		

IVR Component Resource Down

Alarm Field	Description			
Description	This alarm is raised when a resou	urce is down and can't be u	used.	
SNMP Alarm	acVaCompResDownAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.10			
Alarm Source	ApplicationEndPoint UserEndPoint	* *		
Alarm Text	<r> can't start.</r>			
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition	<text></text>	Corrective Action	
Major	Application endpoint is down	Application End Point can't start	Check frontend	
Cleared	Application Endpoint is up			
Major	One or more of the User endpoint are down	User End Point can't start	Check frontend	
Cleared	All User Endpoints are up			

Agent Alarms

This section describes the IVR Agent alarms.

IVR Component Performance Counter General

Alarm Field	Description			
Description	This alarm is raised when the generic performance counter has reached a pre-defined threshold for memory/CPU/disk.			
SNMP Alarm	acVACompPcGenAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.	0.21		
Alarm Source	<n>\<g>\ (where n is the performance group and p</g></n>			
Alarm Title	Component Performance (Counter General		
Alarm Type	QualityOfServiceAlarm			
Probable Cause	Other			
Additional Info				
Alarm Severity	Condition	<text></text>	Corrective Action	
Critical	Pre-defined severity per counter type.	<performance counter=""> high level <x>.</x></performance>	•	
Major	Pre-defined severity per counter type.	<performance counter> high level <x>.</x></performance 		
Warning	Pre-defined severity per counter type.	<performance counter> high level <x>.</x></performance 		
Cleared	When counter returns below the threshold level.			

IVR Component Performance Counter Service

Alarm Field		Description		
Description	This alarm is raised when the service-related performance counter has reached a pre-defined threshold. Related to activity of windows services usually taken from KHI.			
SNMP Alarm	acVaCompPcServAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.110.3	3.2.0.22		
Alarm Source	<n>\<g>\ (where n i group and p is perform</g></n>	s the component name, $ _{ m g}$ ance counter name)	g is the performance	
Alarm Title	Component Performance	ce Counter Service		
Alarm Type	QualityOfServiceAlarm	QualityOfServiceAlarm		
Probable Cause				
Additional Info				
Alarm Severity	Condition	<text></text>	Corrective Action	
Critical	Pre-defined severity per each counter type	<performance counter> high level <x></x></performance 		
Major	Pre-defined severity per each counter type	<performance counter> high level <x></x></performance 		
Warning	Pre-defined severity per each counter type	<performance counter> high level <x></x></performance 		
Cleared	When counter returns below the threshold level.			

IVR Component Service Status

Alarm Field		Description				
Description	This alarm is raised	when a component service is	down.			
SNMP Alarm	acVaCompSrvAlarm	1				
SNMP OID	1.3.6.1.4.1.5003.9.2	110.3.2.0.23				
Alarm Source	<n>\<sn> (where n name)</sn></n>	is the component name and si	n is the service			
Alarm Title	Component Service	Status				
Alarm Type	Other	Other				
Probable Cause	Other	Other				
Additional Info						
Alarm Severity	Condition	<text></text>	Corrective Action			
Critical	Service is down	SERVICE_STOPPED (indicates which service is down)	•			
Major	Service is down	SERVICE_STOPPED (indicates which service is down)	•			
Warning	Service is down	SERVICE_STOPPED. (indicates which service is down)	•			
Cleared	Service is running	Service is running SERVICE_RUNNING				

Note: the severity is determined according to the service's importance to system functionality.

IVR Component Event Viewer

Alarm Field	Description
Description	This event sent when report is generated in the Event Viewer for a component error.

Alarm Field	Description			
SNMP Alarm	acVaCompEventViewer			
SNMP OID	1.3.6.1.4.1.5003.9.110	1.3.6.1.4.1.5003.9.110.3.2.0.24		
Alarm Source	<n>\<e> (where n is the component name and e is Type of event (System/Security))</e></n>			
Alarm Title	Component Event Viewer			
Alarm Type	Other			
Probable Cause	Other			
Additional Info	Contains the original severity of the event. This event is displayed in the EMS as type "Info".			
Alarm Severity	Condition <text> Corrective Action</text>			
Indeterminate	The text of the event			

IVR Component Event Viewer Past Hours

Alarm Field	Description		
Description	This alarm is raised when an error is generated in the Event Viewer in the past 24 hours.		
SNMP Alarm	acVaCompEventLogAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.25		
Alarm Source	<n> (where n is the component name)</n>		
Alarm Title	Component Event Viewer Past Hours		
Alarm Type	Other		
Probable Cause	Other		
Additional Info			
Alarm Severity	Condition	<text></text>	Corrective Action

Alarm Field	Description		
Critical	Event Log has a Critical alarm.	The event log has errors	
Major	Event Log has a Major alarm.	The event log has errors	
Warning	Event Log has a Warning alarm.	The event log has errors	
Cleared	No errors have occurred in the past hours.		

IVR– Component Event Viewer Dropped

Alarm Field	Description
Description	This alarm is raised when events from the Event Viewer are dropped and not sent to the EMS after the sending rate threshold has been exceeded.
SNMP Alarm	acVaCompEventViewerDropped
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.26
Alarm Source	N/A
Alarm Title	Component Event Viewer Dropped
Alarm Type	Other
Probable Cause	Other
Additional Info	
Alarm Severity	Indeterminate

IVR Certificate Expired

Alarm Field	Description	
Description	This alarm is raised when the certificate in the component is about to expire.	

Alarm Field	Description			
SNMP Alarm	acVaCompCertificateExpiredAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.27			
Alarm Source	<n> (where n is the component name)</n>			
Alarm Text	Certificate will expires in <days left=""> days</days>		days	
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition	<text></text>	Corrective Action	
Critical/Major/Warning	Pre-defined severity per threshold	Certificate will expires in <days left=""> days</days>	Verify which certificate will expire soon and renew it.	
Cleared	When certificate is renewed			

IVR Disk Space

Alarm Field	Description		
Description	This alarm is raised when the server disk space on the component is above pre-defined threshold.		
SNMP Alarm	acVaDiskSpaceAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.28		
Alarm Source	<n>/<e> (where n is the component name and e is drive letter 'c:')</e></n>		
Alarm Text	Disk space usage is over {0}%		
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition <text> Corrective Action</text>		Corrective Action
Critical/Major/Warning	Pre-defined severity for percentage of	Disk space usage is	Free temporary files and other unnecessary

Alarm Field		Description	
	used disk space.	over {0}%	file from the disk.
Cleared	Used disk space is below threshold.		

License Alarms

This section describes the IVR License alarms.

IVR Admin License Expired

Alarm Field	Description			
Description	This alarm is raise	This alarm is raised when the product license is invalid/ expired.		
SNMP Alarm	acVaManLicInvalio	dAlarm		
SNMP OID	1.3.6.1.4.1.5003.9	.110.3.2.0.42		
Alarm Source	N/a			
Alarm Title	Product License Ex	xpired		
Alarm Type	Other	Other		
Probable Cause	Other			
Additional Info				
Alarm Severity	Condition	<text></text>	Corrective Action	
Major	License is invalid/expired	License will expired in <number days="" left="" of=""></number>Days.	Check the license server of update new license.	
Cleared	License is valid			

IVR Admin License Violation

Alarm Field		Description	
Description	This event sent when the administrator attempts to define users/resources exceeding the maximum capacity set by license.		
SNMP Alarm	acVaManLicViolationEve	ent	
SNMP OID	1.3.6.1.4.1.5003.9.110.3	.2.0.43	
Alarm Source	N/A		
Alarm Title	Admin License Violation		
Alarm Type	Other		
Probable Cause	Other		
Additional Info			
Alarm Severity	Minor		
Alarm Severity	Condition <text> Corrective Action</text>		Corrective Action
Major	The number of concurrent calls exceeded the license.	Call rejected due to license limitation	Update the license with increased number of concurrent calls.

Vocanom Alarms

This section describes the Vocanom alarms.

System Alarms

This section describes the Voca System alarms.

Voca Alarm – Component Unreachable

Alarm Field	Description			
Description		This alarm is raised when the EMS Main Agent is unable to connect to one of the client agents in the environment.		
SNMP Alarm	acVAManEnvUnread	chableAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.4	0.3.2.0.1		
Alarm Source	<n> (where n is the</n>	component IP and port or unique n	ame)	
Alarm Title	Component Unreac	hable		
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition	<text></text>	Corrective Action	
Major	Client agent is unavailable.	Unable to connect to the client agent on <component name="">.</component>		
Major	Voca Alarms agent is unavailable.	Unable to connect to admin.		
Cleared	Client agent is available again.			

Voca Component Restart

Alarm Field	Description
Description	This alarm is raised when a client agent on component has been restarted.
SNMP Alarm	acVAManEnvRestartEvent
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.2
Alarm Source	<n> (where n is the component name)</n>

Alarm Field	Description		
Alarm Title	Component Restart		
Alarm Type	Other		
Probable	Other		
Cause			
Additional Info	The restart reason		
Alarm Severity	Condition	<text></text>	Corrective Action
Major	component <component name=""> restarted</component>		

Agent Alarms

This section describes the IVR Agent alarms.

Voca Component Performance Counter General

Alarm Field	Description
Description	This alarm is raised when the generic performance counter has reached a pre-defined threshold for memory/CPU/disk.
SNMP Alarm	acVACompPcGenAlarm
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.21
Alarm Source	<pre><n>\<g>\ (where n is the component name or ip:port, g is the performance group and p is performance counter name)</g></n></pre>
Alarm Title	Component Performance Counter General
Alarm Type	QualityOfServiceAlarm
Probable Cause	Other
Additional Info	

Alarm Field	Description		
Alarm Severity	Condition	<text></text>	Corrective Action
Critical	Pre- defined severity per counter type.	<performance counter=""> high level <x>.</x></performance>	
Major	Pre- defined severity per counter type.	<performance counter=""> high level <x>.</x></performance>	
Warning	Pre- defined severity per counter type.	<performance counter=""> high level <x>.</x></performance>	
Cleared	When counter returns below the threshold level.		

Voca Component Service Status

Alarm Field	Description			
Description	This alarm is rais	ed when a component service is down.		
SNMP Alarm	acVaCompSrvAla	nrm		
SNMP OID	1.3.6.1.4.1.5003.	9.40.3.2.0.23		
Alarm Source	<n>\<sn> (where</sn></n>	<n>\<sn> (where n is the component name and sn is the service name)</sn></n>		
Alarm Title	Component Service Status			
Alarm Type	Other			
Probable Cause	Other			
Additional Info				
Alarm Severity	Condition	<text></text>	Corrective Action	

Alarm Field	Description		
Critical	Service is	SERVICE_STOPPED(indicates which service is down).	
Major	Service is	SERVICE_STOPPED(indicates which service is down).	
Warning	Service is	SERVICE_STOPPED(indicates which service is down).	
Cleared	Service is running	SERVICE_RUNNING	

Note: the severity is determined according to the service's importance to system functionality.

Voca Certificate Expired

Alarm Field	Description		
Description	This alarm is raised when the component certificate is about to expire.		
SNMP Alarm	acVaCompCertifi	cateExpiredAlarm	
SNMP OID	1.3.6.1.4.1.5003.	9.40.3.2.0.27	
Alarm Source	<n> (where n is t</n>	he component name)
Alarm Text	Certificate will expire in <days left=""> days</days>		
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Critical/Major/Warning	Pre- defined severity per threshold.	Certificate will expires in <days left=""> days</days>	Verify which certificate is about to expire and renew it.
Cleared	When certificate is renewed.		

Voca Disk Space

Alarm Field	Description		
Description	This alarm is raised when the server disk space on the component is above the pre-defined threshold.		
SNMP Alarm	acVaDiskSpaceAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.40.	3.2.0.28	
Alarm Source	<n>/<e> (where n is the component name and e is drive letter 'c:')</e></n>		
Alarm Text	Disk space usage is over {0}%		
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition <text> Corrective Action</text>		Corrective Action
Critical/Major/Warning	Pre-defined severity for percentage of used disk space.	Disk space usage is over {0}%	Free temporary files and other unnecessary file from the disk.
Cleared	Used disk space is below threshold.		

Voca Agent Specific Alarms

This section describes the Voca-specific alarms.

Alarm –Wrong Operating Component

Alarm Field	Description
Description	This alarm is raised when the service specified in the source is in an incorrect mode.
SNMP Alarm	acVaWrongOperatingAlarm
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.7

Alarm Field		Description	
Alarm Source	Based on alarm source: ReplicationManager\SlaveDBStatus ReplicationManager\RemoteSlaveDBStatus		
Alarm Title	Alarm –Wrong Operating Component		
Alarm Type	Other		
Probable Cause	Other		
Additional Info			
Alarm Severity	Condition	<text></text>	Corrective Action
Major	The slave db is not running based on specific DB parameters.	slave DB not running	
Cleared	Slave db is running without errors.	slave DB running	
Major	Remote slave db is not running based on specific DB parameters.	Remote slave is not connected to the master.	
Cleared	Remote Slave db is running without errors.	Remote slave is now connected to the master.	

Alarm –Wrong Settings

Alarm Field	Description
Description	This alarm is raised when the parameter specified in the source has incorrect settings.
SNMP Alarm	acVaWrongSettingsAlarm
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.8
Alarm Source	Based on alarm source:

Alarm Field	Description		
	ClusterManager\NodesIdsClusterManager\NodesRoles		
Alarm Text	TBD		
Event Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Critical	Incomplete or incorrect configuration.	Incomplete configuration - missing nodes.	
Critical	Incomplete or incorrect configuration.	Incomplete configuration - nodes ids do not match.	
Critical	Node role mismatch.	Incomplete configuration - nodes roles do not match.	
Cleared	Mismatch resolved.	Incomplete configuration - mismatch resolved.	

Alarm – Connection Failure

Alarm Field	Description
Description	This alarm is raised when the connection between system components is down.
SNMP Alarm	acVaConnectionFailureAlarm
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.12
Alarm Source	Based on alarm source: ClusterManager\HeartBeats ReplicationManager\DBConnection
Alarm Title	Alarm – Connection Failure

Alarm Field	Des	cription	
Alarm Type	Alarm		
Probable Cause	Other		
Additional Info			
Alarm Severity	Condition	<text></text>	Corrective Action
Critical	Missed heartbeats (allowed missed heartbeats).	Missing heartbeats	
Critical	The system component has been in failure mode for more than one day.	In failure mode for {0} days	
Critical	Grace time has been exceeded.	Missing heartbeats - Grace ended	
Cleared	Incoming consecutive Heartbeats (recovery threshold)	Recovery detected - Entering normal mode	
Major	Cannot connect to replication DB.	Failed to connect to DB.	
Cleared	Connection to DB has been restored.	Connection to replication DB restored	

Microsoft Teams Direct Routing SBA Alarms

This section describes the Microsoft Teams Direct Routing SBA alarms.

System Alarms

This section describes the Teams SBA system alarms.

SBA Alarm – Component Unreachable

Alarm Field	Description
Description	This alarm is raised when the EMS Main Agent is unable to

Alarm Field	De	escription	
	connect to one of the client agents in the environment.		
SNMP Alarm	acGaManEnvUnreachableAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.1		
Alarm Source	<n> (where n is the component IP and port or unique name)</n>		
Alarm Title	Component Unreachable		
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Major	Client agent is unavailable	Unable to connect to the client agent on <component name="">.</component>	•
Major	IVR is unavailable	Unable to connect to admin.	
Cleared	Client agent is available again.		

Component Restart

Alarm Field	Description
Description	This alarm is raised when a client agent on component has restarted.
SNMP Alarm	acGaManEnvRestartEvent
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.2
Alarm Source	<n> (where n is the component name)</n>
Alarm Title	Component Restart

Alarm Field	Description		
Alarm Type	Other		
Probable Cause	Other		
Additional Info	The restart reason		
Alarm Severity	Condition	<text></text>	Corrective Action
Major	component <component name=""> restarted</component>		

System Action Failed

Alarm Field		Description	
Description	The voice application fai	ls to execute a system action.	
SNMP Alarm	acGaSysActionFailedEve	nt	
SNMP OID	1.3.6.1.4.1.5003.9.110.3	.2.0.4	
Alarm Source	TeamsSba		
Alarm Title	System Action Failed		
Alarm Type	Other		
Probable Cause	Other		
Additional Info	The restart reason		
Alarm Severity	Condition	<text></text>	Corrective Action
Indeterminate	Error executing an action in Microsoft Teams SBA service	Failed to execute settings in Microsoft Teams SBA service due to {0}	

Alarm – System Cloud Status

Alarm Field	Description			
Description	This alarm is raised when there is a problem Office365 cloud.			
SNMP Alarm	acGaSystemCloudS	acGaSystemCloudStatusAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.	110.3.2.0.6		
Alarm Source	Teams SBA Status	Teams SBA Status		
Alarm Title	System Cloud Status			
Alarm Type	Other			
Probable Cause	Other			
Additional Info				
Alarm Severity	Condition	<text></text>	Corrective Action	
Major	Status is not OK	Teams SBA service status is {0}.		

Alarm – Wrong Operating

Alarm Field	Description
Description	The service that specified in the source's varbind is operated in a wrong mode.
SNMP Alarm	acGaWrongOperatingAlarm
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.7
Alarm Source •	Teams SBA State
Alarm Title	Wrong Operating
Alarm Type	Other
Probable Cause	Other
Additional Info	

Alarm Field	Description		
Alarm Severity	Condition	<text></text>	Corrective Action
Major	State is not Ready	Teams SBA service state is {0}.	

Alarm – Component Resource Down

Alarm Field	Description			
Description	This alarm is raised when a resource is down and can't be used.			
SNMP Alarm	acGaCompResDownAlarm	acGaCompResDownAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.	0.10		
Alarm Source	Teams SBA			
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition	<text></text>	Corrective Action	
Major	Failed to connect to Microsoft Teams SBA Service	Can't connect to Microsoft Teams SBA service	Check Microsoft Teams SBA service	
Cleared	Microsoft Teams SBA service is available.			

Agent Alarms

This section describes the Teams SBA Agent alarms.

Alarm – Component Performance Counter General

Alarm Field	Description
Description	This alarm is raised when the generic performance counter has reached a pre-defined threshold for memory/CPU/disk.

Alarm Field		Description	
SNMP Alarm	acGaCompPcGenAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.21		
Alarm Source	<n>\<g>\ (where n is the component name or ip:port, g is the performance group and p is performance counter name)</g></n>		
Alarm Title	Component Performance (Counter General	
Alarm Type	QualityOfServiceAlarm		
Probable Cause	Other		
Additional Info			
Alarm Severity	Condition	<text></text>	Corrective Action
Critical	Pre-defined severity per counter type.	<performance counter> high level <x>.</x></performance 	
Major	Pre-defined severity per counter type.	<performance counter> high level <x>.</x></performance 	
Warning	Pre-defined severity per counter type.	<performance counter=""> high level <x>.</x></performance>	
Cleared	When counter returns below the threshold level.		

Alarm – Component Performance Counter Service

Alarm Field	Description
Description	This alarm is raised when the service-related performance counter has reached a pre-defined threshold. Related to activity of windows services usually taken from KHI.

Alarm Field	Descr	iption	
SNMP Alarm	acGaCompPcServAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.22		
Alarm Source	<n>\<g>\ (where n is the component name, g is the performance group and p is performance counter name)</g></n>		
Alarm Title	Component Performance Counter	Service	
Alarm Type	QualityOfServiceAlarm		
Probable Cause			
Additional Info			
Alarm Severity	Condition	<text></text>	Corrective Action
Critical	Pre-defined severity per each counter type	<performance counter> high level <x></x></performance 	•
Major	Pre-defined severity per each counter type	<performance counter> high level <x></x></performance 	
Warning	Pre-defined severity per each counter type	<performance counter> high level <x></x></performance 	
Cleared	When counter returns below the threshold level.		

Alarm – Component Service Status

Alarm Field	Description
Description	This alarm is raised when a component service is down.
SNMP Alarm	acGaCompSrvAlarm

.3.6.1.4.1.5003.9.1 n>\ <sn> (where n is ame) feamsSBA feamsSbaConfig</sn>	is the component name and sn	is the service
ame) eamsSBA eamsSbaConfig		is the service
omponent Service	Status	
Other		
Other		
ondition	<text></text>	Corrective Action
ervice is down	SERVICE_STOPPED (indicates which service is down)	•
ervice is down	SERVICE_STOPPED (indicates which service is down)	•
ervice is down	SERVICE_STOPPED. (indicates which service is down)	•
ervice is running	SERVICE_RUNNING	
	ervice is down ervice is down ervice is down ervice is running	ondition <text> ervice is down SERVICE_STOPPED (indicates which service is down) ervice is down SERVICE_STOPPED (indicates which service is down) ervice is down SERVICE_STOPPED (indicates which service is down) ervice is down SERVICE_STOPPED. (indicates which service is down)</text>

functionality.

Event – Component Event Viewer

Alarm Field	Description	
Description	This event sent when report is generated in the Event Viewer for a component error.	
SNMP Alarm	acGaCompEventViewer	

Alarm Field	Description			
SNMP OID	1.3.6.1.4.1.5003.9.110	.3.2.0.24		
Alarm Source	<n>\<e> (where n is th (System/Security))</e></n>	<n>\<e> (where n is the component name and e is Type of event (System/Security))</e></n>		
Alarm Title	Component Event Viev	ver		
Alarm Type	Other			
Probable Cause	Other			
Additional Info	Contains the original severity of the event. This event is displayed in the EMS as type "Info".			
Alarm Severity	Condition <text> Corrective Action</text>			
Indeterminate	The text of the event			

Alarm – Component Event Viewer Past Hours

Alarm Field	Description			
Description	This alarm is raised when an error is generated in the Event Viewer in the past 24 hours.			
SNMP Alarm	acGaCompEventLogAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.25	,		
Alarm Source	<n> (where n is the componen</n>	t name)		
Alarm Title	Component Event Viewer Past	Component Event Viewer Past Hours		
Alarm Type	Other			
Probable Cause	Other			
Additional Info				
Alarm Severity	Condition <text> Corrective Action</text>			
Critical	Event Log has a Critical The event log has alarm.			

Alarm Field	Description		
Major	Event Log has a Major alarm.	The event log has errors	
Warning	Event Log has a Warning alarm.	The event log has errors	•
Cleared	No errors have occurred in the past hours.		

Alarm – Component Event Viewer Dropped

Alarm Field	Description	
Description	This alarm is raised when events from the Event Viewer are dropped and not sent to the EMS after the sending rate threshold has been exceeded.	
SNMP Alarm	acGaCompEventViewerDropped	
SNMP OID	1.3.6.1.4.1.5003.9.110.3.2.0.26	
Alarm Source	N/A	
Alarm Title	Component Event Viewer Dropped	
Alarm Type	Other	
Probable Cause	Other	
Additional Info		
Alarm Severity	Indeterminate	

Alarm – Certificate Expired

Alarm Field	Description
Description	This alarm is raised when the certificate in the component is about to expire. Only the certificates that used by Teams SBA are monitored:
	Self signed certificate for mTls

Alarm Field	Description		
	■ Signed certifica	ate that upload by ad	min with tenant name.
SNMP Alarm	acGaCompCertifica	ateExpiredAlarm	
SNMP OID	1.3.6.1.4.1.5003.9	110.3.2.0.27	
Alarm Source	<n> (where n is th</n>	e component name)	
Alarm Text	Certificate will expires in <days left=""> days</days>		
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Critical/Major/Warning	Pre-defined severity per threshold	Certificate will expires in <days left=""> days</days>	Verify which certificate will expire soon and renew it.
Cleared	When certificate is renewed		

Alarm – Disk Space

Alarm Field		Description	
Description	This alarm is raised when the server disk space on the component is above pre-defined threshold.		
SNMP Alarm	acGaDiskSpace <i>i</i>	Alarm	
SNMP OID	1.3.6.1.4.1.5003	3.9.110.3.2.0.2	8
Alarm Source	<pre><n>/<e> (where n is the component name and e is drive letter 'c:')</e></n></pre>		
Alarm Text	Disk space usage is over {0}%		
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition <text> Corrective</text>		Corrective

Alarm Field		Description	
			Action
Critical/Major/Warning	Pre-defined severity for percentage of used disk space.	Disk space usage is over {0}%	Free temporary files and other unnecessary file from the disk.
Cleared	Used disk space is below threshold.		

License Alarms

This section describes the Teams SBA License alarms.

Alarm – Admin License Expired

Alarm Field	Description			
Description	This alarm is raised	This alarm is raised when the product license is invalid/ expired.		
SNMP Alarm	acGaManLicInvalid	Alarm		
SNMP OID	1.3.6.1.4.1.5003.9.	110.3.2.0.42		
Alarm Source	N/a			
Alarm Title	Product License Ex	pired		
Alarm Type	Other	Other		
Probable Cause	Other			
Additional Info				
Alarm Severity	Condition <text> Corrective Action</text>		Corrective Action	
Major	License is invalid/expired	License will expired in <number days<="" of="" td=""><td>Check the license server of update new</td></number>	Check the license server of update new	

Alarm Field	Description		
		left>	license.
		Days.	
Cleared	License is valid		

SBA Skype for Business Alarms

This section describes the SBA Skype for Business alarms.

Alarm - CPU Status

Alarm Field			Description	
Description	CPU usage st threshold	CPU usage status alarm. Send alarm when CPU usage is above the threshold		
SNMP Alarm	acSBACpuSta	tusAlarm		
SNMP OID	1.3.6.1.4.1.50	003.9.30.2.2.0).2	
Alarm Title	Alarm – CPU	Status		
Alarm Source	Processor Inf	ormation/%P	rocessor Time/_Total	
Alarm Type	Other			
Probable Cause	Other	Other		
Alarm Severity	Condition Text Corrective Action		Corrective Action	
Critical	CPU > 90%	High CPU usage Above 90%	Using task manager check if the CPU load is constant or not, find the process that causes the high CPU usage and see if high CPU is reasonable (for example high CPU when performing windows updates, or running traces on the SBA), if there isn't a reason for the high CPU try to restart the SBA and if didn't solve the issue open a call to AudioCodes	
Major	CPU > 80%	High CPU usage Above	Using task manager check if the CPU load is constant or not, find the process that causes	

Alarm Field	Description		
		80%	the high CPU usage and see if high CPU is reasonable (for example high CPU when performing windows updates, or running traces on the SBA), if there isn't a reason for the high CPU try to restart the SBA and if didn't solve the issue open a call to AudioCodes
Cleared	CPU < 76%	-	-

SBA Memory Status

Alarm Field			Description
Description	Memory used status alarm. Send an alarm when the level of available physical memory is below the threshold.		
SNMP Alarm	acSBAMemor	ytatusAlarm	
SNMP OID	1.3.6.1.4.1.50	003.9.30.2.2.0.	3
Alarm Title	Alarm – Men	nory Status	
Alarm Source	Memory/% A	vailable MByte	2
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	Text	Corrective Action
Major	Available Memory < 7%	High memory usage, available memory is Below 7%	Using task manager find the process that causes the high memory usage. SQL process can take huge amount of memory and it is normal. If you install extra tools on the SBA remove/disable them and see if solve the high memory usage. On 2G RAM SBAs the memory usage can be high but it should not have any impact on the service that the SBA provide. Perform Windows update and SQL server update. if there isn't a reason for the high memory try to restart the SBA and if didn't solve the issue open a call to Audi-

Alarm Field	Description		
			oCodes.
Critical	Available Memory < 4%	High memory usage, available memory is Bellow 4%	Using task manager find the process that causes the high memory usage. SQL process can take huge amount of memory and it is normal. If you install extra tools on the SBA remove/disable them and see if solve the high memory usage. On 2G RAM SBAs the memory usage can be high but it should not have any impact on the service that the SBA provide. Perform Windows update and SQL server update. If there isn't a reason for the high memory try to restart the SBA and if didn't solve the issue open a call to AudioCodes.
Cleared	Available Memory >8%		

SBA Disk Space Alarm

Alarm Field		Description	
Description	This alarm is raised if the disk (C) usage level exceeds configured thresholds. Thresholds can be configured in the snmp_sba.ini under C:\SBA (requires service restart for the changes to take effect).		
SNMP Alarm	acSBADiskSpaceAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.30.2.	2.0.4	
Alarm Title	Alarm – Disk Space		
Alarm Source	C:\		
Alarm Text	Disk space usage is over {0}% {0} – Threshold value		
Alarm Type	Other		
Probable Cause	Other		
Alarm	Condition	Text	Corrective Action

Alarm Field		Description	
Severity			
Major	Disk 'C' usage level is over 90%	"Disk space usage is over 90%"	Remove unnecessary files from disk. Clean
Critical	Disk 'C' usage level is between 80% and 90%	"Disk space usage is over 80%"	log files.
Cleared	Disk 'C' usage level is below 76%	-	

SBA Certificate Expired

Alarm Field		Desc	ription	
Description	This alarm is raised when the certificate that is used to secure the connection between the SBA and the Datacenter is about to expire. The alarm is sent when the number of days to certificate expiration is below the threshold.			
SNMP Alarm	acSbaCertificate	ExpiredAlarm		
SNMP OID	1.3.6.1.4.1.5003.	9.30.2.2.0.5		
Alarm Title	Alarm – Certifica	te Expired		
Alarm Type	Other	Other		
Alarm Source	-			
Probable Cause	Other	Other		
Alarm Severity	Condition	Text	Corrective Action	
Major	Number of day to expiration < expire in 30 days. Using windows mmc tool, check the expiration date of the certificates and find the expired certificate. Sign the expired certificate and install in on the machine.			
Critical	Number of day to expiration <	Certificate will expire in 2	Using windows mmc tool, check the expiration date of the certificates	

Alarm Field	Description		
	2	days.	and find the expired certificate. Sign the expired certificate and install it on the machine.
Cleared	New valid certificate is installed.	-	-

Alarm – Performance Counter

Alarm Field		Description	
Description	This alarm is raised when the configured performance counter's value is above/below the configured threshold.		
SNMP Alarm	acSbaPerfCounterAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.30.2.2.0.6	5	
Alarm Title	Alarm – Performance Count	er	
Alarm Source	{Performance counter full pa	ath}	
Event Type	Other		
Probable Cause	Other		
Severity	Condition	<text></text>	Corrective Action
Major	Monitored value crossed the 'Major' threshold	Performance counter {0} is Above/Below {1} {0} – Performance counter full path {1} – Threshold value	
Critical	Monitored value crossed the 'Critical' threshold	Performance counter {0} is Above/Below {1} {0} – Performance counter full path {1} – Threshold value	
Cleared	Monitored value falls below the 'Major' threshold		

SBA Services Status Alarm

Alarm Field		Description		
Description	server, Replica ser	Services status alarm. The services are Front End server, Mediation server, Replica server, and Centralized Logging Service for Microsoft Lync 2013 (Centralized Logging is not available for Lync 2010).		
SNMP Alarm	acSBAServicesStat	usAlarm		
SNMP OID	1.3.6.1.4.1.5003.9	30.2.2.0.1		
Alarm Title	SBA Services Statu	s Alarm		
Alarm Source	RtcSrv/ RTCMEDSF	RV/ REPLICA/ RTCCLSAGT		
Alarm Type	Other			
Probable Cause	Other			
Severity	Condition	<text></text>	Corrective Action	
Critical	Service is down	SERVICE_STOPPED	Start the service and check why the service stopped, using the event viewer.	
Major	Service is paused	SERVICE_PAUSED	Start the service and check why the service paused, using the event viewer.	
Cleared	Service is running	SERVICE_RUNNING	-	
Indeterminate	Service in indeterminate state	SERVICE_CONTINUE_ PENDING SERVICE_ PAUSE_PENDING SERVICE_START_ PENDING SERVICE_ STOP_PENDING	Start the service and check why the service is in indeterminate state, using the event viewer.	

User Management Pack 365 (UMP) Alarms

This section describes the UMP 365 alarms.

Wrong Operating Alarm

Alarm Field	Descrip	otion	
Description	This alarm is raised when the UMP is unable to establish either a WebSocket or internal network adapter connection with OVOC.		
SNMP Alarm	acCceWrongOperatingAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.33		
Alarm Source	WebSocketTunDevice		
Alarm Title	Wrong Operating Alarm		
Alarm Type	Other		
Probable Cause	Other		
Additional Info			
Alarm Severity	Condition	<text></text>	Corrective Action
Major	UMP is unable to establish a Web Socket connection with OVOC.	Unable to establish Web Socket connection to OVOC	
	The Web Socket connection with OVOC has been disconnected.	Web Socket dis- connected from OVOC	
	Packets cannot be sent to OVOC over the Web Socket connection.	Web Socket failed to sent packets	
Clear	The Web Socket connection with OVOC has been successfully reestablished.	Web Socket con- nected to OVOC	
	Packets are successfully sent to OVOC over the Web Socket connection.	Web Socket sent successfully	

Alarm Field	Descrip	tion
	The Web Socket connection with OVOC communicates successfully.	Web Socket read successfully
Major	The internal network adapter for the WebSocket service.is unable to connect to OVOC.	Unable to connect to tun device
	The internal network adapter for the Web Socket service cannot read incoming packets from OVOC.	Tun device read error
	The tun device cannot send HTTPS packets to OVOC.	Tun device write error
Clear	The internal network adapter for the Web Socket service is able to reconnect to OVOC.	Tun device connected successfully
	The internal network adapter for the Web Socket service reads incoming HTTPS packets from OVOC correctly.	Tun device read successfully
	The internal network adapter for the Web Socket service correctly sends HTTPS packets to OVOC	Tun device written successfully

UMP Tenant License Threshold Alarm

Alarm Field	Description	
Description	This alarm is raised when the number of UMP tenant licenses that are active for a specific UMP virtual machine instance crosses the threshold.	
	A tenant license exists for each Microsoft Office 365 tenant and is relevant for the UMP SP Edition.	
SNMP Alarm	acUmpTenantLicThresholdAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.41	
Alarm Title	UMP Tenant License Threshold Alarm	
Alarm Source	Virtual machine of UMP installation platform	

Alarm Field	Description		
Alarm Type	Other		
Probable Cause	Other		
Additional Info	#of users/# in active		
Alarm Severity	Condition	Text	Corrective Action
Critical	The number of UMP tenant licenses running on the UMP virtual machine instance crosses the threshold (above 95 %).	Tenant License threshold (Over 95 %)	
Major	The number of UMP tenant licenses running on the UMP virtual machine instance crosses the threshold (above 90 %).	Tenant License threshold (Over 90 %)	

UMP User License Threshold Alarm

Alarm Field	Description	
Description	This alarm is raised when the number of active UMP users for a specif UMP tenant on a specific UMP virtual machine instance crosses the configured licensed threshold. The threshold is configured in the UMP Customer License settings in the UMP-365 Main Tenant License page.	
	A tenant license exists for each Microsoft Office 365 tenant and is relevant for the UMP SP Edition.	
SNMP Alarm	acUmpUserLicThresholdAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.42	
Alarm Title	UMP User License Threshold Alarm	
Alarm Source	Virtual machine of UMP installation platform	
Alarm Type	Other	

Alarm Field	Desc	cription	
Probable Cause	Other		
Additional Info	#of users/# in active-		
Alarm Severity	Condition	Text	Corrective Action
Critical	The number of active UMP users for a specific UMP virtual machine instance, crosses the licensed threshold (configured in the License page in the UMP-365 Main Tenant interface). In this case, a Grace period (also configured in the Tenants page in the UMP-365 Main Tenant interface) is granted including a percentage allotment of licenses for a limited period.	User License threshold crossed (Configured License Threshold %)	
Major	The number of active UMP users for a specific UMP tenant on a specific UMP virtual machine instance, reaches the configured Warning threshold (configured in the License page in the UMP-365 Main Tenant interface).	User License threshold reached (Configured License Threshold %)	
Clear	The number of licensed users falls below the configured threshold.		

UMP Super Admin Authentication Fail Event (Service Provider)

Alarm Field	Description
Description	This alarm is raised when there is an authentication failure for the UMP Super Admin user.
SNMP Alarm	acUmpSuAdminAuthFailEvent

Alarm Field	Description			
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.43			
Alarm Title	UMP Super Admin Authentication Fail Event			
Alarm Source	Virtual machine of UMP installation platform			
Alarm Type	Other			
Probable Cause	Other			
Additional Info	-			
Alarm Severity	Condition Text Corrective Action			
Critical	There is a user authentication failure for the UMP Super Admin user.	SuperAdmin authen- tication failure (Service Provider)		

UMP End User License Threshold Alarm

Alarm Field	Description		
Description	This alarm is raised when the number of users on the virtual machine crosses the threshold.		
SNMP Alarm	acUmpEndUserLicThresholdAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.44		
Alarm Title	UMP User License Threshold Alarm		
Alarm Source	Virtual Machine/CustomerID		
Alarm Type	Other		
Probable Cause	Other		
Additional Info	#of users/# in active		
Alarm Severity	Condition	Text	Corrective Action

Alarm Field	Description		
Major	The number of users on the virtual machine has crossed the threshold (above 90%)	User License threshold (Over 90%)	

UMP Azure AD Sync Alarm

Alarm Field	Description			
Description	This alarm is raised when synchronization between the UMP virtual machine and the Azure Active Directory fails.			
SNMP Alarm	acUmpAzureADSyncAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.45	1.3.6.1.4.1.5003.9.80.3.2.0.45		
Alarm Title	UMP Azure ADSync Alarm	UMP Azure ADSync Alarm		
Alarm Source	Virtual machine of UMP installation platform/CustomerID (Customer Name)			
Alarm Type	Other			
Probable Cause	Other			
Additional Info	Customer ID			
Alarm Severity	Condition Text CorrectiveAction			
Major	Synchronization with the Azure Active Directory fails.	Azure AD sync alarms		

UMP Office 365 Failure Alarm

Alarm Field	Description
Description	This alarm is raised when the UMP virtual machine loses the connection with the Office 365 platform i.e. Office 365 credentials failure.
SNMP Alarm	acUmpO365FailureAlarm
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.46

Alarm Field	Description			
Alarm Title	UMP O365 Failure Alarm			
Alarm Source	Virtual machine of UMP installation platform/CustomerID (Customer Name)			
Alarm Type	Other			
Probable Cause	Other			
Additional Info	Customer ID			
Alarm Severity	Condition Text CorrectiveAction			
Major	The UMP loss the connection with Office 365 platform i.e. Office 365 credentials failure.	O365 Alarm (Connection failure & Sync)		

UMP Office 365 Command Execution Event

Alarm Field	Description		
Description	This alarm is raised when any PowerShell command run on the UMP platform fails.		
SNMP Alarm	acUmpO365CommandExEvent		
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.48		
Alarm Title	Ump O365 Command Ex Event		
Alarm Source	Virtual machine of UMP installation platform/CustomerID (Customer Name)		
Alarm Type	Other		
Probable Cause	Other		
Additional Info	Execution Result		
Alarm Severity	Condition	Text	Corrective Action

Alarm Field	Description		
Minor	This alarm is raised when any PowerShell command run on the UMP platform .		

UMP User Settings Fail Event

Alarm Field	Description				
Description	This alarm is raised when a user editing operat	ion fails (Field	Edit user).		
SNMP Alarm	acUmpUserSettingsFailEvent				
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.49				
Alarm Title	UMP User Settings Fail Event				
Alarm Source	Virtual machine of UMP installation platform /CustomerID (Customer Name)				
Alarm Type	Other				
Probable Cause	Other				
Additional Info	Execution result				
Alarm Severity	Condition Text Corrective Action				
Minor	A user editing operation fails. User settings fail				

UMP End User Authentication Fail Event

Alarm Field	Description	
Description	This alarm is raised when there is an authentication failure for the UMP Admin End User .	
SNMP Alarm	acUmpEndUserAuthFailEvent	
SNMP OID	1.3.6.1.4.1.5003.9.80.3.2.0.50	
Alarm Title	UMP End User Authentication Fail Event	

Alarm Field	Description		
Alarm Source	Virtual machine of UMP installation platform /CustomerID (Customer Name)		
Alarm Type	Other		
Probable Cause	Other		
Additional Info	Admin User Name		
Alarm Severity	Condition Text Correctiv		
Minor	Authentication failure (reject or fail) for UMP Admin user. Admin authentication failure		

CloudBond 365 Alarms

This section describes the CloudBond 365 alarms.

Alarm-Admin License Expired

Alarm Field	Description			
Description	This alarm is raised when the product license is invalid or has expired.			
SNMP Alarm	acCbAdminLicInval	acCbAdminLicInvalidAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.8	80.3.2.0.21		
Alarm Title	Product License Exp	Product License Expired		
Alarm Source	N/a			
Alarm Type	Other			
Probable Cause	Other			
Additional Info				
Alarm Severity	Condition	<text></text>	Corrective Action	

Alarm Field	Description		
Major	License is invalid/expired	License will expired in <number days="" left="" of=""></number>Days.	Check the license server of update new license.
Cleared	License is valid		

10SmartTAP Alarms

This section describes the SmarTAP alarms.

SmartTAP System Alarms

This section describes SmartTAP Microsoft Windows Server System alarms.

Alarm – Component Unreachable

Alarm Field	Description			
Description	This alarm is raised in the following circumstances: The OVOC Main Agent is unable to connect to one of the OVOC Client agents. Note that currently the Client agent is only installed on the SmartTAP application server. The SmartTAP Application server is unable to connect to the SmartTAP Web Admin Interface			
SNMP Alarm	acVAManEnvUnreachableAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.1			
Alarm Source	SmartTapAS_ <fqdn></fqdn>			
Alarm Title	Component Unreachable			
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition <text> Corrective Action</text>			
Major	The OVOC Main Agent is unable to connect to one of the installed OVOC Client agents. Unable to connect to client agent on <smarttapas_fqdn></smarttapas_fqdn>			
	The SmartTAP Application server is unable to connect to the SmartTAP Web Admin interface.	Unable to Connect to Voice Application Admin		
Cleared	OVOC Client agent is re-available			

SmartTAP Event – Component Restart

Alarm Field	Description	
Description	This event is raised when the SmartTAP Application server has been restarted.	
SNMP Alarm	acVAManEnvRestartEvent	
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.2	

Alarm Field	Description			
Alarm Source	SmartTapAS_ <fqdn></fqdn>	SmartTapAS_ <fqdn></fqdn>		
Alarm Title	Component Restart			
Alarm Type	Other			
Probable Cause	Other			
Additional Info	The restart reason			
Alarm Severity	Condition <text> Corrective Action</text>			
Major	The SmartTAP Application server has been restarted.			

Event – Component Resource Failed

Alarm Field		Description		
Description	This event is raised in the following circumstances: The allocation of resources for recording licenses has been exceeded Media Server management has failed			
SNMP Alarm	acVaCompResFailedEvent			
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.9			
Alarm Source	SmartTapAS_ <fqdn>_<resource>, where <resource> is one of the following: Licenses: ✓ imLicQuotaExceeded ✓ videoLicQuotaExceeded ✓ userLicQuotaExceeded ✓ mediaFwdLicQuotaExceeded ✓ licUnavailable Media Server Resource Failure: ✓ Hmp - channelResourceFailure ✓ Hmp bindingFailure ✓ Hmp bindingFailure ✓ Hmp bindingFailure ✓ Hmp writeFileFailed</resource></resource></fqdn>			
Alarm Title	Component Resource Error			
Alarm Type	Other			
Probable Cause	Other			
Additional Info	-			
Alarm Severity	Condition (related resource indicated in parenthesis) <text< a=""> Corrective Action</text<>			
Major	The quota for the number of users targeted for Instant Messaging has been exceeded (imLicQuotaExceeded). Instant Messaging recording or purchase additional licenses.			
Major	The quota for the number of users targeted for video has been exceeded (videoLicQuotaExceeded). Reduce the number of users/devices targeted for video recording or purchase additional licenses.			

Alarm Field		Description	
Major	The quota for the number of users/devices targeted for audio recording has been exceeded (userLicQuotaExceeded).	Audio User target license exceeded	Reduce the number of users/devices targeted for audio recording or purchase additional licenses.
Major	The quota for the number of users/devices targeted for audio recording has been exceeded (mediaFwdLicQuotaExceeded).	Recording license exceeded	Reduce the number of users/devices targeted for audio recording or purchase additional licenses.
Major	No license is available. All licenses are currently consumed (licUnavailable).	-	-
Major	The Media server failed to create a channel resource (Hmp - channelResourceFailure).	Media server failed to create channel resource	-
Major	The Media Server failed to write to disk (Hmp createFileFailed).	-	Check available disk space. Check that Media Server has read/write permissions on the local disk.
Major	Media Server cannot bind to ports in order to open media channels (Hmp bindingFailure).	-	Verify that other applications are not using UDP ports in the range of 40000 – 50000. Restart Media Server.
Warning	Transfer Server failed to copy files from temporary, local recording location to remote storage (Hmp rtsTransferFailed).	Transfer service failed to copy	Verify that the Remote Transfer Service is running with permissions that grant it read/write access to the media storage volume.
Major	The Media server failed to create a file with recorded media (Hmp writeFileFailed)	Media server failed to create a file	Check available disk space. Check that Media Server has read/write permissions on the local disk.

Alarm - Component Resource Threshold Exceeded

Alarm Field	Description	
Description	This alarm is raised when one of the SmartTAP component resources listed below has reached its pre-defined threshold. This alarm applies for the following resources:	
	Recording license notification thresholds (for all recording license types) triggered according to the configuration in the SmartTAP Web interface License screen.	
	Media Storage notification thresholds triggered according to the following:	
	✓ SMB/File Storage: Configuration in the SmartTAP Web interface Storage Statistics screen.	
	✓ Azure Blob Storage: Thresholds shown below for Azure Blob storage event.	
	The total hours of calls analyzed by the Analytics Service has exceeded the limit.	
	The number of licensed Analytics users has exceeded the limit.	
SNMP Alarm	acVaResourceThresholdAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.11	
Alarm Source	SmartTapAS_ <fqdn>_<resource>, where <resource> is one of the following:</resource></resource></fqdn>	
	SmartTAP License Threshold Notification value (for all recording license types)	
	Media Storage Notification Threshold value	
	Analytics Hours license value	
	Analytics Users license value	
	AzStorage	
Alarm Title	Alarm - Component Resource Threshold Exceeded	
Alarm Type	Other	
Probable Cause	Other	
Additional Info	AzStorage:	
	■ Total Space: <amount> GB</amount>	
	Free Space Remaining: <amount> GB</amount>	

Alarm Field	Description		
	Estimated Recording Time Remaining:- <number months="" of=""></number>		
Alarm Severity	Condition	<text></text>	Corrective Action
Critical/Major/Warning	The media storage location threshold has been reached.	Media Storage threshold exceeded	 Verify the Notification Threshold setting configuration in the Storage Statistics screen. It's possible that there is sufficient storage and that the threshold needs to be adjusted. Add additional storage capacity to the file server to support additional media files (recordings). The file server is external to SmartTAP.
	Recording License threshold has been exceeded.	Recording License threshold exceeded	Verify the Notification Threshold setting configuration in the License screen. It's possible that there are sufficient licenses and that the threshold needs to be adjusted. Purchase additional recording licenses
	The total number of hours of analyzed calls by Analytics Service has exceeded the limit.	Analytics Hours license Threshold Exceeded	Verify the Notification Threshold setting configuration in the License screen. It's possible that there are sufficient licenses and that the threshold needs to be adjusted. Purchase additional Analytics hours
	The number of licensed Analytics users has exceeded the limit.	Analytics Users license Threshold Exceeded	Verify the Notification Threshold setting configuration in the License screen. It's possible that there are sufficient licenses and that the threshold needs to be adjusted. Purchase additional Analytics user licenses
	The threshold of a limited resource has been exceeded.	The Blob Storage usage reached 90% of available storage.	Purchase additional storage or transfer media to another disk.
Cleared	 When counter returns below the threshold level. The Blob Storage usage reached 80% and below. 		-

Alarm – Connection Failure

Alarm Field	Description	
Description	This alarm is raised in the following circumstances:	
	The connection between one of the SmartTAP components and the SmartTAP Application server is down.	
	The connection between other SmartTAP components is down.	
SNMP Alarm	acVaConnectionFailureAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.12	
Alarm Source	<smarttapcomponent>@ <fqdn>:</fqdn></smarttapcomponent>	
	AC-MediaProxy @ <fqdn></fqdn>	
	AC-Annoucement @ <fqdn></fqdn>	
	CS@ <fqdn></fqdn>	
	CD-IP@ <fqdn></fqdn>	
	CD-SIPREC@ <fqdn></fqdn>	
	MediaDelivery@ <fqdn></fqdn>	
	Media Server@ <fqdn></fqdn>	
	AC_HealthMonitor@ <fqdn></fqdn>	

Alarm Field		Description	
	AC-Plugin@ <fqdn></fqdn>		
	RTS@ <fqdn></fqdn>		
Alarm Title	Alarm – Connection Failure		
Alarm Type	Other		
Probable Cause	Other		
Additional Info	-		
Alarm Severity	Condition	<text></text>	Corrective Action
Critical/Major/Warning	Communication between SmartTAP component and SmartTAP Application server is down	Communication Down Details: Managed Device <smarttapcomponent>@<hostnamefqdn> failed to send heartbeat within specified time of <xxms>.Device Infold: <smarttapinternalid>HostNameType: COM_ SERVERDisplay Name: <hostname>Last heartbeat received on <yyyy-mm-dd> <hh:mm></hh:mm></yyyy-mm-dd></hostname></smarttapinternalid></xxms></hostnamefqdn></smarttapcomponent>	
	Connection from CallDelivery to lyncPlugInServerConnDown	Communication Down Details: Call Delivery at <hostnamefqdn> lost connection to FE Plugusing TCP</hostnamefqdn>	
	Connection from CallDelivery to lyncPlugInSWConnDown	Communication Down Details: Call Delivery at <hostnamefqdn> lost connection to SmartWorks Plug-using TCP</hostnamefqdn>	
	Connection from CallDelivery to communication server	Communication Down Details: Call Delivery at <hostnamefqdn> lost connection to com- munication server Plug-using TCP</hostnamefqdn>	
	Connection from CallDelivery to Media delivery	Communication Down Details: Call Delivery at <hostnamefqdn> lost connection to Media delivery using TCP</hostnamefqdn>	
	Connection between Media Proxy and Calldelivery	Communication Down Details: Call Delivery at <hostnamefqdn> lost connection to AC-Medi- aProxy using TCP</hostnamefqdn>	
	Connection from lync Plugin to Media Proxy	Communication Down Details: AC-Plugin at <hostnamefqdn> lost connection to AC-MediaProxy using TCP</hostnamefqdn>	
	Connection from lync Plugin to CallDelivery	Communication Down Details: AC-Plugin at <hostnamefqdn> lost connection to Call Delivery at <hostnamefqdn> using TCP</hostnamefqdn></hostnamefqdn>	
	Connection from Lync plugin to ann	Communication Down Details: AC-Plugin at <hostnamefqdn> lost connection to Annouce- ment Server at <hostnamefqdn> using TCP</hostnamefqdn></hostnamefqdn>	
Cleared	-	The connection is up again	-

SmartTAP Agent Alarms

This section describes SmartTAP Microsoft Windows Server Agent alarms.

Alarm – Component Performance Counter General

А	Alarm Field	Description
De	escription	This alarm is raised when the generic performance counter on the SmartTAP Application server has reached a pre-defined threshold for memory/CPU/disk.

Alarm Field	Description		
SNMP Alarm	acVACompPcGenAlarm		
SNMP OID	1.3.6.1.4.1.5003	.9.40.3.2.0.21	
Alarm Source	SmartTapAS_ <fo< td=""><td>DN>/<performance group="" monitor="">/<performance monitor="" name="">/<networkadaptername></networkadaptername></performance></performance></td><td>•</td></fo<>	DN>/ <performance group="" monitor="">/<performance monitor="" name="">/<networkadaptername></networkadaptername></performance></performance>	•
Alarm Title	Component Per	formance Counter General	
Alarm Type	QualityOfService	PAlarm	
Probable Cause	Other		
Additional Info	-		
Alarm Severity	Condition	<text></text>	Corrective Action
Critical	Pre-defined severity per counter type.	GeneralCounter performance counter <per- formanceCounterGroup/<performancecountername>/<networkinterfacename>is Above threshold <thresholdlevel></thresholdlevel></networkinterfacename></performancecountername></per- 	-
Major	Pre-defined severity per counter type.	GeneralCounter performance counter <performancecountergroup <performancecountername="">/<networkinterfacename>is Above threshold <thresholdlevel></thresholdlevel></networkinterfacename></performancecountergroup>	-
Warning	Pre-defined severity per counter type.	GeneralCounter performance counter <performancecountergroup <performancecountername="">/<networkinterfacename>is Above threshold <thresholdlevel></thresholdlevel></networkinterfacename></performancecountergroup>	-
Cleared	When counter returns below the threshold level.	-	

Alarm – Component Service Status

Alarm Field	Description	
Description	This alarm is raised when a component service on the SmartTAP Application server is down. These services include SmartTAP components, for example, HealthMonitorSvc and core Windows components, for example, AcProcDump.	
SNMP Alarm	acVaCompSrvAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.23	
Alarm Source	SmartTapAS_ <fqdn>/<servicename> is one of the following:</servicename></fqdn>	
	AudioCodes_CS	
	■ MySQL	
	■ CallDelivery-IP	
	■ HealthMonitorSvc	
	■ AudioCodesMPSvc	
	■ HPXMedia	
	■ RemoteTransferService	
	■ AcProcDump	
	■ CallDeliverySR	
	CallDelivery	
	■ CallDeliveryLD	
	■ CallDeliveryAES	
	■ SmartTapMonitoringSvc	
Alarm Title	Component Service Status	

er		
er		
Condition	<text></text>	Corrective Action
ice is down	SERVICE_ STOPPED (indicates which service is down)	-
ice is down	SERVICE_ STOPPED (indicates which service is down)	-
ice is down	SERVICE_ STOPPED. (indicates which service is down)	-
ice is running	SERVICE_ RUNNING	
	ning d according to the service's importance to system functionality.	which service is down) ning SERVICE_ RUNNING

Alarm – Component Event Viewer Dropped

Alarm Field	Description
Description	This alarm is raised when events from the Event Viewer are dropped after the sending rate threshold has been exceeded; preventing a burst of events being raised for a specific component.
SNMP Alarm	acVaCompEventViewerDropped
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.26
Alarm Source	N/A
Alarm Title	Component Event Viewer Dropped
Alarm Type	Other
Probable Cause	Other
Alarm Text	Events from Event Viewer dropped due to high sent rate
Additional Info	-
Alarm Severity	Indeterminate

Alarm – Certificate Expired

Alarm Field	Description			
Description	This alarm is raised when one of the Microsoft Windows-certificates installed on the SmartTAP Application server is about to expire.			
SNMP Alarm	acVaCompCertificateExpiredAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.27	1.3.6.1.4.1.5003.9.40.3.2.0.27		
Alarm Source	SmartTapAS_ <fqdn></fqdn>			
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition	<text></text>	Corrective Action	
Critical	Raised when the certificate will expire in less than two days	Certificate will expire in <days left> days</days 	Verify which certificate is about to expire and renew it.	
Major	Raised when the certificate will expire in less than 30 days.	Certificate will expire in <days left> days</days 	Verify which certificate is about to expire and renew it.	
Cleared	When certificate is renewed	-	-	

Alarm – Disk Space

Alarm Field	Description		
Description	This alarm is raised when the server disk space on the SmartTAP Application Server drive is above the pre-defined threshold.		
SNMP Alarm	acVaDiskSpaceAlarm		
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.28		
Alarm Source	SmartTAPAS_ <fqdn>/DriveName:\\</fqdn>		
Alarm Text	Disk space usage is over {0}%		
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Critical/Major/Warning	Pre-defined severity for percentage of used disk space.	Disk space usage is over {0}%	Free temporary files and other unnecessary file from the disk.
Cleared	Used disk space is below threshold.	-	-

SmartTAP Application Server Alarms

This section describes SmartTAP Application Server alarms.

Call Recording Error Event

Alarm Field	Description
Description	This event is raised when errors are reported by the Health Monitor to the SmartTAP Application server.
SNMP Alarm	acVaCallRecordingErrorEvent
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.13

Alarm Field		Description	
Alarm Title	Call Recording Error Event		
Alarm Source	SmartTAPAS_FQDN		
Alarm Type	Other		
Probable Cause	Other		
Additional Info			
Alarm Severity	Condition	<text></text>	Corrective Action
Major	One of the following Health Monitor services reported an error to the SmartTAP Application server	as below	
	NoMediaFile(301)	Call not recorded or recorded with errors	Check ST configuration and health
	NoFileOnDisk(302)	Call not recorded or recorded with errors	Check ST configuration and health
	TestCallWarning(303)	Call not recorded or recorded with errors	Check ST configuration and health
	TestCallNotRecorded(304)	Call not recorded or recorded with errors	Check ST configuration and health
	FileXferFailed(204)	Error: Can't upload file to blob	Check Media location configuration in SmartTAP Check Azure Blob accessibility and health
	ComplianceRecordedButNotAssignedToRecProfile (209)	User is targeted but has no recording profile in ST	Assign Recording Profile to user under Compliance Recording Policy
	JoinCallFailed(210)	Bot failed to join the call	Check Service Fabric Cluster health Verify MSFT Graph API accessibility and responsiveness
Major	CdrRecoveryFailed(450)	Call Recovery Failed, file <path> has exceeded the allowed failure threshold.</path>	Check SmartTAP and CD-Live configuration
Major	CdrRecoveryFailed(450)	Call Recovery Failed with status code <statuscode>, file <path></path></statuscode>	Check faulty CDR file

Event – Configuration Error

Alarm Field	Description
Description	This event is raised under the following circumstances:
	A user is mapped to two or more Retention Policies groups via AAD mapping. In this case, the user is not assigned to any retention policy.
	A user is mapped to two or more Recording Profile groups via AAD mapping. In this case, the user is not be assigned to any recording profile.
	Problems with Azure Storage account configuration
	A user is mapped to two or more media locations groups via AAD mapping. In this case the user will not be assigned to any media location.
	A user is mapped to two or more analytics profiles groups via AAD mapping. In that case the user will not be assigned to any analytics profile.

Alarm Field	Description				
	User access to Azure Cognitive Services is unauthorized.				
SNMP Alarm	acVaConfigErrorEvent				
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.14				
Alarm Source	<n><un> (where n is the name of the component or ip:port and un is the user name)</un></n>				
Additional Information	 User xxx will not be recorded. A user can not be assigned to two or more AAD groups that are mapped to recording profiles in SmartTAP. Please make sure the user is assigned to one AAD group that is mapped to a recording profile. User xxx is not assigned to a mapped retention policy and will be assigned to the default retention policy. A user can not be assigned to two or more AAD groups that are mapped to retention policies in SmartTAP. Please make sure the user is assigned to one AAD group that is mapped only when mapping retention policies. User <username> will be assigned to the default Media Location. A user can not be assigned to multiple Media Locations. Make sure the user is assigned to only one Media Location mapped in SmartTAP.</username> User <username> will be assigned to the default Analytics profile. A user can not be assigned to multiple Analytics</username> 				
	profiles, make sure the user is assigned to only one Analytics profile mapped in SmartTAP				
Alarm Type	Other				
Probable Cause	Other				
Alarm Severity	Condition	Text	Corrective Action		
Major	A user cannot be assigned to multiple AAD groups for Recording Profiles.	Failed to assign a Recording Profile to a user	Check AAD Configuration		
Major	A user cannot be assigned to multiple AAD groups for Retention Policies.	Failed to assign a Retention Policy to a user	Check AAD Configuration		
Major	Failed to assign a recording location to a Teams Bot node	A recording location is not assigned for Teams Bot node <src>.</src>	Check Recording Location Configuration		
Major	A user cannot be mapped to two or more media locations groups via AAD mapping.	Failed to assign a Media Location to a user	Check the Media Location Group assignments.		
Major	A user is mapped to two or more analytics profiles groups via AAD mapping; the user will not be assigned to any analytics profile.	Failed to assign an Analytics Profile to a user	Check the analytics profiles groups assignments.		
Major	Access to Azure Cognitive Services is unauthorized.	CognitiveServiceMisconfiguration	Check the permissions authorizations to Azure Cognitive Services.		

Recording Resource Failure

Alarm Field	Description	
Description	This alarm is raised when the recording resource is not available	
SNMP Alarm	acVaRecordingResourceFailureAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.15	
Alarm Title	Recording Resource Failure	
Alarm Source	botNodeName@botclusterFQDN botCluster@botclusterFQDN	
Alarm Type	Other	
Probable Cause	Other	

Alarm Field	Description		
Alarm Severity	Condition	Text	Corrective Action
Critical	RecordingClusterNotAvailable (Teams Bot cluster is not available): The cluster is overloaded and further calls won't be recorded.	Teams Bot cluster - no recording resource available Alarm.	Increase cluster size immediately.
Warning	RecordingNodeNotAvailable (Teams Bot node is not available): The reporting node is overloaded, bot is still might record further calls if there is another node which is not overloaded.	Teams Bot node - no recording resource available Alarm.	Monitor the system if more than 60% percent of the nodes are overloaded, consider increasing cluster size.
Cleared	Teams Bot node is available again	Teams Bot node - no recording resource available Cleared.	
Cleared	Teams Bot cluster is available again	Teams Bot cluster - no recording resource available Cleared.	

Meeting Insights Alarms

This section describes the Meeting Insights alarms.

Connection Failure

Alarm Field	Description	
Description	One of the following MeetingInsights components is unreachable:	
	■ BackEnd	
	OutlookDaemon	
	■ SpeechTranscriptionApp	
	■ SpeakerIdApp	
	■ Al Server	
	■ SI server	
SNMP Alarm	acVaConnectionFailureAlarm	
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.12	
Alarm Title	Connection Failure	
Alarm Source	MeetingInsights/ <component>-<availablitytest></availablitytest></component>	
	■ MeetingInsights/backend- <customer>status</customer>	
	■ MeetingInsights/ - <customer>status</customer>	
	MeetingInsights/speakerIdapp <customer> status</customer>	

Alarm Field	Description		
	 MeetingInsights/outlookdaemon<customer> status</customer> MeetingInsightsasierver<customer> status</customer> MeetingInsights/siserver<customer> status</customer> 		
Alarm Type	Other		
Probable Cause	Other		
Additional Info	-		
Alarm Severity	Condition	Text	CorrectiveAction
Critical	BackEnd component is down.	BackEnd component is not responding to http request. Service is down.	 Check IIS status and try to connect from the BackEnd server on localhost http://localhost/ui Check firewall rules. Check EventLogs for errors.
Critical	OutlookDaemon is down.	OutlookDaemon component is not responding to http request. Bot won't join calls. Service is down.	Check the service status and logs.
Major	SpeechTranscriptionApp is down.	SpeechApp component is not responding to http request. Highlights and meeting transcription are not available.	Check the service status and logs.
Major	SpeakerldApp is down.	SpeakerIdApp	Check the service status and logs.

Alarm Field	Description		
		component is not responding to http request. Audc speaker identification is not available.	
Critical	Al Server is down.	Al server component is not responding to http request. VoiceCommands are not available.	Check the service status and logs.
Major	SI server is down.	SI server is not responding to http request. Audc speaker identification is not available.	Check the service status and logs.

Call Recording Error Event

Alarm Field	Description		
Description	This event is raised when errors are reported by either the BackEnd or TeamsBot components.		
SNMP Alarm	acVaCallRecordingErrorEvent		
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.13		
Alarm Title	Call Recording Error Event		
Alarm Source	 MeetingInsights/<component>/<condition></condition></component> MeetingInsights/Backend/ PostProcessFailed MeetingInsights/<nodename@clusterfqdn>/CreateCallFailed</nodename@clusterfqdn> MeetingInsights/<nodename@clusterfqdn>/JoinCallFailed</nodename@clusterfqdn> MeetingInsights/<nodename@clusterfqdn>/FileXferFailed</nodename@clusterfqdn> 		
Alarm Type	Other		
Probable Cause	Other		

Alarm Field	Description		
Additional Info			
Alarm Severity	Condition	Text	CorrectiveAction
Major	PostProcessFailed	Failed to create final mp4 file.	Check if all media files were uploaded from Bot
Major	JoinCallFailed	Failed answering call <call-id> scenariold <senarioid>.</senarioid></call-id>	 Check Bot logs for errors. Check customer admin consent for Bot application. Check if there is firewall in front of the Bot
Major	CreateCallFailed	Teams BOT failed to Post meeting to Backend call-id.	Examine Bot logs.
Major	FileXferFailed	Teams Bot failed to transfer media files to Backend	Examine Bot logs.
Cleared			

Performance Counter General

Alarm Field	Description
Description	This alarm is raised when the generic performance counter on one of the MeetingInsights servers has reached a pre-defined threshold for memory/CPU.
SNMP Alarm	acVACompPcGenAlarm
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.21
Alarm Title	Component Performance Counter General
Alarm Source	MeetingInsights_FQDN/ <performance group="" monitor="">/< Performance Monitor Name>/< NetworkAdapterName ></performance>

Alarm Field	Description			
Alarm Type	QualityOfServiceAlarm			
Probable Cause	Other			
Additional Info	-			
Alarm Severity	Condition Text Corrective Action			
Critical	Pre-defined severity per counter type has been reached and therefore calls won't be recorded.	GeneralCounter performance counter /is Above threshold	Increase cluster size immediately.	
Major	Pre-defined severity per counter type has been reached and therefore calls won't be recorded.	GeneralCounter performance counter /is Above threshold	Increase cluster size immediately.	
Warning	Pre-defined severity per counter type has been reached and therefore calls won't be recorded.	GeneralCounter performance counter /is Above threshold	Increase cluster size immediately.	
Cleared	When counter returns below the threshold level.			

Component Service Status

Alarm Field	Description
Description	This alarm is raised when a component service on the MeetingInsights server is down.
SNMP Alarm	acVaCompSrvAlarm
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.23
Alarm Title	Component Service Status
Alarm Source	MeetingInsights_MachineName/ <service>/ is one of the following: MongoDB</service>

Alarm Field	Description		
	■ IIS		
	■ MIAlarmManager		
Alarm Type	Other		
Probable Cause	Other		
Additional Info	-		
Alarm Severity	Condition	Text	CorrectiveAction
Critical	One of the above mentioned services is down.	SERVICE_STOPPED (indicates which service is down).	Check corresponding service log.
Major	One of the above mentioned services is down.	SERVICE_ STOPPED (indicates which service is down).	Check corresponding service log.
Cleared	Service is running.		

Alarm Certificate Expired

Alarm Field	Description
Description	This alarm is raised when one of the Microsoft Windows-certificates installed on the MeetingInsights server is about to expire.
SNMP Alarm	acVaCompCertificateExpiredAlarm
SNMP OID	1.3.6.1.4.1.5003.9.40.3.2.0.27
Alarm Title	Component Service Status
Alarm Source	MeetingInsights _MachineName
Alarm Type	Other
Probable Cause	Other
Additional Info	

Alarm Field	Description		
Alarm Severity	Condition	Text	CorrectiveAction
Critical	Raised when the certificate will expire in less than seven days.	Certificate will expire in <days left=""> days.</days>	Verify which certificate is about to expire and renew it.
Major	Raised when the certificate will expire in less than 60 days.	Certificate will expire in <days left=""> days.</days>	Verify which certificate is about to expire and renew it.
Cleared			

Alarm Disk Space

Alarm Field	Description			
Description	This alarm is raised when the server disk space on any MeetingInsights Servers drive is above the pre-defined threshold.			
SNMP Alarm	acVaDiskSpaceAlarm			
SNMP OID	1.3.6.1.4.1.5003.9.40.3	3.2.0.28		
Alarm Title	Disc space			
Alarm Source	MeetingInsights_MachineName / DriveName: \\			
Alarm Type	Other			
Probable Cause	Other			
Additional Info				
Alarm Severity	Condition	Text	CorrectiveAction	
Critical	Pre-defined severity Disk space Free temporary files and other unnecessary used disk space. {0}% file from the disk.			
Major	Pre-defined severity for percentage of used disk space.	Disk space usage is over {0}%	Free temporary files and other unnecessary file from the disk.	
Cleared	Used disk space is	-	-	

Alarm Field	Description		
	below threshold.		

ARM Alarms

This section describes the ARM alarms.

Disk Size Illegal

Alarm Field		Description		
Description	This alarm is raised when the disk size defined for the ARM Configurator or Router is insufficient for ARM requirements.			
SNMP Alarm	acARMDiskSize			
SNMP OID	1.3.6.1.4.1.5003.9.70.1.	1.3.6.1.4.1.5003.9.70.1.2.2.0.4		
Alarm Title	Disk Size Illegal			
Alarms Source	Configurator Router# <routername></routername>			
Alarm Type	integrityViolation			
Probable Cause	storageCapacityProblem			
Alarm Severity	Condition	Text	Corrective Action	
Critical	The size of the hard disk of the ARM Configurator or Router is insufficient for ARM requirements.	The size of the hard disk in <configurator or="" router-<br="">>/<configurator or="" router<br="">Name> was changed to an illegal size <currentsize>. Minimum is <minimumsize></minimumsize></currentsize></configurator></configurator>	Increase VM disk size according to the requirements specified in the ARM Installation manual.	

Disk Space Usage

Alarm Field	Description
Description	This alarm is raised when the disk usage reaches a high level
SNMP Alarm	acARMDiskSpaceUsage
SNMP OID	SNMP OID 1.3.6.1.4.1.5003.9.70.1.2.2.0.3

Alarm Field		Description	
Alarm Title	Disk space usage		
Alarms Source	ARM / Partition #partitionName or Router #routerName / Partition #partitionName		
Alarm Type	Environmental Alarm		
Probable Cause	Storage Capacity Prol	blem	
Alarm Severity	Condition	Text	Corrective Action
Indeterminate	 'Almost full' is sent when the usage is more than 95% (Critical). 'Dangerously high' is sent when the usage is more than 80% (Warning). 	The disk usage of {elementType} {elementName} is dangerously high / almost full (in %) {elementType} can be Configurator or router.	 Clean disk from obsolete data. Delete old and unused logs and backup files In case of watchdog reload delete the created heap file (/tomcat/tmp). If the calls feature is enabled and the size of the calls is large according to the logs (log cdr) or check the Mongo DB folder in your VM (/var/lib/mongo), disable the feature, reduce the number of CDR calls in Calls Settings and contact your AudioCodes representative.

ARM License About to Expire

Alarm Field	Description
Description	This alarm is raised when the ARM license is about to expire.
SNMP Alarm	acARMLicenseAboutToExpire

Alarm Field	Description
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.5
Alarm Title	ARM License about to expire
Alarms Source	Configurator
Alarm Type	Operational Violation
Probable Cause	Key Expired
Alarm Severity	Condition
Major	This alarm is initially raised 28 days before the expiration date of the license and then for each subsequent day prior to the expiration date.

ARM License has Expired

Alarm Field	Description
Description	The ARM license has expired.
SNMP Alarm	acARMLicenseHasExpired
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.6
AlarmTitle	ARM License has expired
AlarmSource	Configurator
AlarmType	Operational Violation
Probable Cause	Key Expired
Alarm Text	Alarm License has expired
	Alarm License is OK
Severity	Critical
Additional Info	-
Corrective Action	Contact your AudioCodes representative to update your ARM license.

ARM License Session Number

Alarm Field	Description			
Description	This alarm is raised when the number of sessions is approaching the licensed limit and when the limit has been exceeded.			
SNMP Alarm	acARMLicenseSessionNumber			
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.9			
Alarm Title	ARM License session number			
Alarms Source	Configurator			
Alarm Type	Operational Violation	Operational Violation		
Probable Cause	Threshold Crossed			
Alarm Severity	Condition	Text	Corrective Action	
Major	The number of utilized licenses has reached 90% of the licensed limit.	Number of sessions in ARM has exceeded 90%	Contact your AudioCodes representative to update your ARM license.	
Critical	Raised when the number of active sessions has exceeded the licensed limit according to percentage.	Number of active sessions has exceeded #sessions% of the number allowed by the ARM license.	Contact your AudioCodes representative to update your ARM license.	
Clear		Number of sessions in ARM is normal		

ARM License Missing

Alarm Field	Description	
Description	This alarm is raised when the ARM license is not found.	
SNMP Alarm	acARMLicenseMissing	
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.10	
AlarmTitle	ARM License Missing	
AlarmSource	Configurator	
AlarmType	Operational Violation	
Probable Cause	Key Expired	
Alarm Text	Alarm License was not found	
	Alarm License was found	
Severity	Major	
Additional Info	-	
Corrective Action	Contact your AudioCodes representative	
	Install an ARM license	

Quality Change

Alarm Field	Description
Description	This alarm is raised when the quality threshold for a Node connection or a VoIP Peer connection has been crossed.
SNMP Alarm	acARMQualityChanged
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.11
Alarm Title	Quality Change
Alarms Source	Node # <nodename>/PeerConnection# <peername></peername></nodename>
Alarm Type	Quality of Service Alarm
Probable Cause	Performance Degraded

Alarm Field	Description	
Alarm Text	The Quality of Peer Connection <peerconnectioname> or Node Connection<nodeconnectioname> was changed to one of the following:</nodeconnectioname></peerconnectioname>	
	Good	
	■ Fair	
	■ Bad	
	Unknown	
Alarm Severity	Major	
Corrective Action	Make sure quality thresholds are configured correctly in the ARM settings	
	■ Validate your network quality in data layer.	
	Contact your network administrator.	
	If you know that you have a problem with a specific element	
	(Connection or Peer Connection) and you don't wish to receive an alarm for this element, you can configure the element to ignore	
	MOS/ASR and not use the global quality definitions in the Peer or	
	Connection properties in the ARM Web interface.	

ARM Configurator Reload

Alarm Field	Description
Description	This alarm is raised when the ARM configurator was reloaded by watchdog.
SNMP Alarm	acARMTopologyReloaded
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.12
Alarm Title	ARM Configurator Reloaded
Alarms Source	Configurator# <configuratorname></configuratorname>
Alarm Type	operationalViolation
Probable Cause	Application subsystem failure
Additional Info	memory dump in /opt/tomcat/temp/-

Alarm Field	Description
Alarm Severity	Condition
Major	 The Tomcat server was not restarted properly. The ARM Configurator didn't respond to the number of keep-alive requests from the watchdog.

ARM Router Reload

Alarm Field	ι	Description	
Description	This alarm is raised when the router was not reloaded successfully.		
SNMP Alarm	acARMRouterReloaded		
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.14		
Alarm Title	ARM router reload		
Alarms Source	Router # routerName		
Alarm Type	Operational Violation		
Probable Cause	Application subsystem failure		
Additional Info	Memory dump in /opt/tomcat/temp/		
Alarm Severity	Condition	Text	Corrective Action
Major	 Tomcat server was not restarted properly Router didn't respond to number of keep-alive requests from the watchdog 	ARM router {routerName} was reloaded by watchdog.	Collect logsContact your AudioCodes representative

ARM Routing Rule Match

Alarm Field	Description	
Description	This event is raised when a Routing rule for a specific element is matched.	
	These events are sent when the "Notify When activated"check box is selected for the Routing Rule in the ARM Web interface (Advanced Conditions tab).	
SNMP Alarm	acARMRoutingRuleMatch	
SNMP OID	.1.3.6.1.4.1.5003.9.70.1.2.2.0.13	
Alarm Title	Routing Rule match	
Alarms Source	Router# <routername></routername>	
Alarm Type	Other	
Probable Cause	Other	
Additional Info	 Routing Rule <rulename> of Group <groupname> is matched.</groupname></rulename> Call from Pcon <peerconnectionname>, Node <nodename> – From number <fromnumber>, to <tonumber>.</tonumber></fromnumber></nodename></peerconnectionname> 	
Alarm Text	Routing Rule <rule name=""> was matched</rule>	
Alarm Severity	indeterminate	
Corrective Action	Disable the notification in the routing rule if you don't wish to view this event.	

ARM Configuration Inconsistency

Alarm Field	Description	
Description	This event is raised when there is mismatch between a Peer connection or a Routing Interface configuration and a Node configuration.	
SNMP Alarm	acARMConfigurationInconsistency	
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.1.0.1	

Alarm Field	Description	
Alarm Title	Configuration Inconsistency	
Alarms Source	Node # <nodename>/PeerConnection#<peerconnectionname> Node#<nodename>/RoutingInterface#<routinginterfacename></routinginterfacename></nodename></peerconnectionname></nodename>	
Alarm Type	Processing Error Alarm	
Probable Cause	Configuration or Customization Error	
Additional Info	ARM database was synchronized to the nodes configuration	
Alarm Severity	Condition	
Indeterminate	 An inconsistency was discovered between the ARM Topology and the SBC or gateway configuration. The element was added to the SBC and discovered by ARM during the synchronization process. 	

Operation State Changed (Router)

Alarm Field	Description		
Description	This alarm is raised when the router state has changed and when an associated Web Service is unavailable, for example call masking for DID and 911 calls.		
SNMP Alarm	acARMOperationStatusChanged		
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0).1	
Alarm Title	Operation Status Changed		
Alarms Source	Router# <routername> Router#<router name="">/Web Service#<the name="" of="" service="" the=""></the></router></routername>		
Alarm Type	Communications Alarm		
Probable Cause	Communications Subsystem Failure		
Additional Info	The alarm is cleared once the status is changed back to available.		
Alarm Severity	Condition	Text	Corrective Action

Alarm Field	Description		
Major	The router is not synchronized with the ARM Configurator.	Router <routername>was marked as Not_Sync.</routername>	In case state is unavailable: Check router status and availability. Network connectivity between configurator and router. Validate that proper Router credentials updated in ARM. Validate DNS setting in case hostname is used.
Major	The router is initializing with the ARM Configurator.	Router <routername>was marked as Initializing</routername>	
Major	The configured memory in the router is less than the size required by the license.	Router <routername> was marked as not in service due to memory requirements.</routername>	This occurs when the number of users does not match the memory requirements. Refer to User's manual / Installation Guide for more information regarding how increase the memory.
Major	An external Web Service associated with this	Web Service <web name="" service=""> was</web>	

Alarm Field	Description		
	router is unavailable.	marked as Unavailable	
Cleared	The router is re-available	Router <routername>was marked as Available.</routername>	

Operation Status Changed [Node]

Alarm Field	D	escription	
Description	This alarm is raised when the operative state of a specific Node has changed.		
SNMP Alarm	acARMOperationStatusChanged		
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.1		
Alarm Title	Operation Status Changed		
Alarms Source	Node# <nodename>/Router# (For IP Profile issues) Node#<</nodename>		
Alarm Type	Communications Alarm		
Probable Cause	Communications Subsystem Failure		
Additional Info	The alarm will be cleared once the status will be changed back to available. Added the routing server to the node		
Alarm Severity	Condition	Text	Corrective Action
Major	The Routing server node is unavailable.	Routing Server armServer in Node <node Name> was marked as Unavailable</node 	 Check device network connectivity Check the device's network connectivity to the ARM Configurator

Alarm Field	С	Description	
	The Routing server node is Unrouteable.	Routing Server armServer in Node <node Name> was marked as Unrouteable</node 	Check the device's network connectivity to the ARM routers Check the routers' status and availability
	The Routing server node is Logged out.	Routing Server armServer in Node <node Name> was marked as Logout.</node 	Check the configuration of the device's ARM service.
	The ARM IP Profile is marked as unavailable.	IP Profile ARM_ IP_Profile in <node name=""> Node was marked as Unavailable</node>	 Check if the IP Profile exists on the device node specified in the Alarm text. If yes, remove it and resync the node. Check the syslog and ARM log files for the error and contact support.
Cleared		Node <nodename> was marked as <status></status></nodename>	

Operation Status Changed [Peer Connection]

Alarm Field	Description	
Description	This alarm is raised when the operative state of the VoIP Peer Connection	

Alarm Field		Description		
	has changed.			
SNMP Alarm	acARMOperationStatusChanged			
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0	.1		
Alarm Title	Operation Status Changed			
Alarms Source	Node # <nodename>/<peerc< td=""><td>Connection#<peername></peername></td><td>></td></peerc<></nodename>	Connection# <peername></peername>	>	
Alarm Type	Communications Alarm			
Probable Cause	Communications Subsystem	Failure		
Additional Info	The alarm will be cleared one able.	ce the status will be char	nged back to avail-	
Alarm Severity	Condition Text Corrective Action			
Major		Peer Connection in Node <node Name> was marked as Unavailable</node 	When this alarm is received from a Peer Connection and it indicates that the operative state of the Peer Connection has changed to Unavailable: Check the configuration of the related IP Group in the specific device. Check the device's network connectivity to the configured Proxy IP associated with that IP Group	

Alarm Field	Descri	ption
Cleared		PeerName> arked as ble

Operation Status Changed [LDAP Server]

Alarm Field		Description	
Description	This alarm is generated when the LDAP server is disconnected or reconnected.		
SNMP Alarm	acARMOperationStatusCha	anged	
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2	.0.1	
Alarm Title	Operation Status Changed		
Alarms Source	LDAP server # <ldapservername></ldapservername>		
Alarm Type	Communications Alarm		
Probable Cause	Communications Subsystem Failure		
Additional Info	The alarm will be cleared once the status is changed back to available.		
Alarm Severity	Condition Text Corrective Action		
Major		LDAP Server <ldapservername> was marked as Unavailable.</ldapservername>	This alarm is raised when LDAP server state has turned to unavailable: Check the LDAP server network connectivity. Validate LDAP server credentials.

Alarm Field	Description
Cleared	LDAP Server <ldapservername> was marked as Available.</ldapservername>

Operational Status Changed [Active MQ]

Alarm Field	D	escription	
Description	This alarm is generated when there is a problem with the JMS broker on the ARM Configurator.		
SNMP Alarm	acARMOperationStatusChanged		
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.1		
Alarm Title	Operation Status Changed		
Alarms Source	Configurator		
Alarm Type	Communications Alarm		
Probable Cause	Communications Subsystem Failure		
Additional Info	Failed sending three consecutive messages to the JMS, going to reload		
Alarm Severity	Condition Text Corrective Action		
Critical	Configurator could not send three consecutive messages to the ActiveMQ broker.	ActiveMQ Connection was marked as Unavailable.	The ActiveMQ should be restarted automatically. If the alarm doesn't clear after a period of time:
			Check that the ActiveMQ service is working properly
			Collect ActiveMQ logs

Alarm Field	Description
	Contact your AudioCodes representative

Limit Reached

Alarm Field	Description
Description	This alarm is raised when the number of users has exceeded the maximum allowed number (250000).
SNMP Alarm	acARMLimitReached
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.2
Alarm Title	Limit reached
Alarms Source	Configurator/users
Alarm Type	Operational Violation
Probable Cause	Threshold Crossed
Alarm Text	Maximum users <maximumusers> is Reached</maximumusers>
	Maximum users <maximumusers> is OK</maximumusers>
Additional Info	
Alarm Severity	Major

Router Using Other Configurator

Alarm Field	Description
Description	This alarm is raised when the ARM router is connected to an incorrect Configurator.
SNMP Alarm	acARMRouterUsingOtherConfigurator

Alarm Field		Description	
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.7		
Alarm Title	Router Using Other Config	urator	
Alarms Source	Router # <routername></routername>		
Alarm Type	Operational Violation		
Probable Cause	Denial Of Service		
Additional Info	Contact your AudioCodes representative.		
Alarm Severity	Condition	Text	Corrective Action
Critical		Router <routername> is already connected to another configurator <otheripaddress></otheripaddress></routername>	Two configurators are trying to use the router at the same time: Check the IP of another configurator, {otherAddress} in the description and make sure only one of them uses the router. Restart the tomcat service in the router machine.

NTP Sync Status

Alarm Field	Description
Description	This alarm is raised when the clock on the ARM Configurator or Router is not synchronized with the NTP server. The NTP clock is critical for ARM services as it impacts license, routing (time conditions) and statistics: IP connectivity to the NTP server

Alarm Field	Description	
	■ Firewall configuration	
	NTP server configuration	
SNMP Alarm	acARMNTPSyncStatus	
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.8	
AlarmTitle	NTP sync status	
AlarmType	Time Domain Violation	
AlarmSource	Configurator# <configuratorname></configuratorname>	
	Router # <routername></routername>	
Probable Cause	Timing Problem	
Alarm Text	■ The NTP clock on the ARM Configurator is not synchronized with NTP server	
	■ The NTP clock on ARM Configurator is synchronized with NTP server	
Severity	Major	
Additional Info	-	
Corrective	Check the NTP configuration in the ARM Web interface.	
Action	Check for connectivity issues with the NTP server configured in the NTP Servers tab in the ARM Web interface.	

No Available Routers

Alarm Field	Description
Description	This alarm is raised if all preconfigured ARM Routers become unavailable or disconnected. The alarm is cleared when at least one ARM Router returns to service.
SNMP Alarm	acARMNoAvailableRouter
SNMP OID	3.6.1.4.1.5003.9.70.1.2.2.0.15
Alarm Title	No available routers
Alarms Source	Configurator

Alarm Field	Descrip	otion	
Alarm Type	Communications Alarm		
Probable Cause	Communications Subsystem Failure		
Additional Info			
Alarm Severity	Condition	Text	Corrective Action
Critical	When there are no routers in the system or when all defined routers are unavailable	Currently there are no available routers in the system.	 Make sure that at least one router is configured in your system. Check router status and availability. Network connectivity between configurator and router. Validate that proper Router credentials updated in ARM. Validate DNS setting in case hostname is used.
Clear	When there is at least one available router		

Registration Status Resync Threshold

Alarm Field	Description
Description	This alarm is raised when the number of registered user resync attempts is over the defined limit (three attempts).

Alarm Field	Description			
SNMP Alarm	acARMRegistrationStatusResyncThre	shold		
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.16			
Alarm Title	Registration Status Resync Threshold			
Alarms Source	ARM			
Alarm Type	communicationsAlarm			
Probable Cause	softwareProgramError			
Additional Info				
Alarm Severity	Condition	Text	Corrective Action	
major	The number of registered user resync attempts is over the default limit of three. The number of registration users resync attempts crossed the threshold for node #elementName			
clear				

External Web Service

Alarm Field	Description
Description	This alarm is raised when an external web service is unavailable. For example, call masking for DID and 911 calls.
SNMP Alarm	acARMExternalWebService
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.17
Alarm Title	External Web Service
Alarms Source	Web Service# <the name="" of="" service="" the=""></the>

Alarm Field	Description		
Alarm Type	Other		
Probable Cause	Other		
Additional Info			
Alarm Severity	Condition	Text	Corrective Action
Minor	Raised when an external web service is unavailable.	"Web Service <web service<br="">name> was marked as Unavailable"</web>	
Clear	External Web Service becomes available.		

Disk Usage Alarm

Alarm Field	Description
Description	This alarm is raised when the cumulative duration of all calls for a peer connection or resource group reaches the limit defined in the Calls Quota that is attached to these entities. In addition, a warning is raised when the duration reaches the user-defined threshold.
SNMP Alarm	acARMCallsDurationQuotaUsage
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2.2.0.18
Alarm Title	Calls duration quota usage
Alarms Source	Node#<nodename>/PeerConnection#<peerconnectionname></peerconnectionname></nodename>Resource group#<resourcegroupname></resourcegroupname>
Alarm Type	Other
Probable Cause	Threshold Crossed
Additional Info	

Alarm Field		Description	
Alarm Severity	Condition	Text	Corrective Action
Critical	Calls quota limit has been reached.	{elementType} {elementName} calls quota limit/threshold has been reached.	■ Make sure that the calls quota has been configured as required. If not, do one of the following: ✓ Delete the Calls Quota limit for the Peer Connection or Resource Group ✓ Adjust the Calls Quota limit or Time Scheduling for the Peer Connection or Resource Group
Warning	Calls quota threshold has been reached The threshold is configurable, 75% by default	{elementType} {elementName} calls quota threshold has been reached.	■ Make sure that the calls quota threshold has been configured as required. If not, do one of the following: ✓ Delete the Calls Quota for the Peer Connection or Resource Group ✓ Change the Threshold for the Peer Connection or

Alarm Field		Description	
			Resource Group
Clear	Calls Quota has been deleted from the Peer Connection		
	Calls Quota has been deleted from the Resource Group		
	New time period has started (according to Time Scheduling defined in the Calls Quota)		
	Time Scheduling in Calls Quota definition has been modified. For example, set to "monthly" instead of "daily"		
	Modifying Limit in Calls Quota definition results in alarm clearing for specific peer connections or resource groups (i.e. for those entities with the Calls Quota applied that fall within limit/threshold when its extended)		

CAC Usage

Alarm Field		Description		
Description	This alarm is raised when the number concurrent sessions of an element reaches the limit defined in the CAC that is attached to these elements. In addition, a warning is raised when the number of concurrent sessions reaches the user-defined threshold			
SNMP Alarm	acARMCAC			
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2	2.2.0.19		
Alarm Title	CAC usage			
Alarms Source	Node# <nodename></nodename>	Node# <nodename>/PeerConnection#<peerconnectionname>/incomin</peerconnectionname></nodename>		
	Node# <nodename>/PeerConnection#<peerconnectionname>/outgoin</peerconnectionname></nodename>			
	■ Node# <nodename>/PeerConnection#<peerconnectionname>/total</peerconnectionname></nodename>			
	PeerConnection# <peerconnectionname>/incoming</peerconnectionname>			
	PeerConnection <peerconnectionname>/outgoing</peerconnectionname>			
	PeerConnection# <peerconnectionname>/total</peerconnectionname>			
	Customer# <customername>/incoming</customername>			
	Customer# <customername>/outgoing</customername>			
	Customer# <custome< td=""><td>erName>/total</td><td></td></custome<>	erName>/total		
	■ VoIP Peer# <voippee< td=""><td>rName>/incoming</td><td></td></voippee<>	rName>/incoming		
	■ VoIP Peer# <voippee< td=""><td>rName>/outgoing</td><td></td></voippee<>	rName>/outgoing		
	VoIP Peer# <voippeername>/total</voippeername>			
Alarm Type	Operational Violation			
Probable Cause	Threshold Crossed			
Additional Info				
Alarm	Condition Text Corrective Action			

Alarm Field		Description	
Severity			
Critical	CAC has exceeded the defined value.	{elementType} {elementName} incoming/outgoing/tot al has exceeded 100%	Make sure that the CAC has been configured as required. If not, do one of the following: Delete the CAC from the relevant element. Adjust the CAC limit.
Warning	CAC alarm threshold has exceeded the defined value.	{elementType} {elementName} incoming/outgoing/total has exceeded {DefinedThreshold}%	Make sure that the CAC has been configured as required. If not, do one of the following: Delete the CAC from the relevant element. Adjust the CAC limit.
Clear	 CAC has been deleted from the element Number of concurrent sessions is lower than the threshold. Modifying Limit in CAC definition results in alarm clearing for specific element (i.e. for those entities with the CAC applied that fall within 		

Alarm Field	Description		
	limit/threshold when its extended)		

Calls Duration Quota Usage

Alarm Field		Description	
Description	This alarm is raised when the cumulative duration of all calls for a peer connection or resource group reaches the limit defined in the Calls Quota that is attached to these entities. In addition, a warning is raised when the duration reaches the user-defined threshold		
SNMP Alarm	acARMCallsDurationQuo	otaUsage	
SNMP OID	1.3.6.1.4.1.5003.9.70.1.2	2.2.0.18	
Alarm Title	Calls duration quota usa	ge	
Alarms Source	■ Node# <nodename>/PeerConnection#<peerconnectionname> ■ Resource group#<resourcegroupname></resourcegroupname></peerconnectionname></nodename>		
Alarm Type	Other		
Probable Cause	Threshold Crossed		
Additional Info			
Alarm Severity	Condition	Text	Corrective Action
Critical	Calls quota limit has been reached.	{elementType} {elementName} calls quota limit/threshold has been reached.	Make sure that the calls quota has been configured as required. If not, do one of the following: Delete the Calls Quota limit for the Peer Connection or Resource Group

Alarm Field		Description	
			Adjust the Calls Quota limit or Time Scheduling for the Peer Connection or Resource Group
Warning	Calls quota threshold has been reached The threshold is configurable, 75% by default	{elementType} {elementName} calls quota threshold has been reached.	■ Make sure that the calls quota threshold has been configured as required. If not, do one of the following: ✓ Delete the Calls Quota for the Peer Connection or Resource Group ✓ Change the Threshold for the Peer Connection or Resource Group ✓ Connection or
Clear	 Calls Quota has been deleted from the Peer Connection Calls Quota has been deleted from the Resource Group New time period has started (according to Time Scheduling defined in the Calls Quota) 		

Alarm Field	Description		
	Time Scheduling in Calls Quota definition has been modified. For example, set to "monthly" instead of "daily"		

VoiceAl Connect Alarms

This section describes the VoiceAl Connect alarms.

Status DB Connection Failure Alarm

Alarm Field	Description	
SNMP		
Description	This alarm is sent when the connection with the statusDB server is lost.	
SNMP Alarm	acVoiceAlStatusDBConnectionFailure	
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.1	
Configuration Parameters		
alarm name	1	
metrics	-	
group by	db	
time interval minutes	2	
logical operator	<	
message	"Connection with 'status' database is down"	
clear message	"Connection with 'status' database is no longer down"	
additional info	-	
MINOR level	-	

Alarm Field	Description
MAJOR level	
CRITICAL level	1
groupId whitelist	-

All Session Managers Down Alarm

Alarm Field	Description	
SNMP		
Description	This alarm is sent when all the Session Managers are down.	
SNMP Alarm	acVoiceAlSessionManagersDown	
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.2	
Configuration Parameters		
alarm name	2	
metrics	none	
group by	none	
time interval minutes	2	
logical operator	<	
message	"All session managers are down"	
clear message	"All session managers are no longer down"	
additional info	-	
MINOR level	-	
MAJOR level	-	
CRITICAL level	1	
groupld whitelist	-	

SBC Failure Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the ratio of SBC call attempt failures per minute over the past interval is higher than the threshold.
SNMP Alarm	acVoiceAISBCFailure
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.3
Configuration P	arameters
alarm name	3
metrics	SBCFailuresPerMinute / CallEndingsPerMinute if CallEndingsPerMinute > 2 else 0
group by	none
time interval minutes	5
logical operator	-
message	>
clear message	"SBC's Calls attempts Failure Ratio is higher than {threshold}"
additional info	"Ratio of SBC's calls attempts failures per minute over the past {interval} minutes is lower than {threshold}"
MINOR level	"Ratio of SBC's Calls attempts failures per minute over the past {interval} minutes is higher than {threshold}, Current ratio: {current}"
MAJOR level	0.2
CRITICAL level	0.5
groupId whitelist	-

SBC Failure Per Session Manager Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the ratio of SBC call attempt failures per Session Manager is higher than the threshold.
SNMP Alarm	acVoiceAISBCFailurePerSessionManager
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.4
Configuration P	arameters
alarm name	4
metrics	SBCFailuresPerMinute / CallEndingsPerMinute if CallEndingsPerMinute > 2 else 0
group by	sessionManagerId
time interval	5
minutes	
logical operator	>
message	"SBC's Calls attempts per Session Manager Failure Ratio is higher than {threshold}"
clear message	"Ratio of SBC's calls attempts failures per minute over the past {interval} minutes is lower than {threshold}"
additional info	"Ratio of SBC's Calls attempts failures per minute over the past {interval} minutes is higher than {threshold}, Current ratio: {current}"
MINOR level	0.2
MAJOR level	0.5
CRITICAL level	-
groupId whitelist	-

TTS Failure Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the ratio of TTS failures per minute over the past interval on the TTS provider is higher than the threshold.
SNMP Alarm	acVoiceAITTSFailure
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.5
Configuration Para	ameters
alarm name	5
metrics	TTSFailuresPerMinute / CallEndingsPerMinute if CallEndingsPerMinute > 2 else 0
group by	ttsProviderId
time interval minutes	5
logical operator	>
message	"TTS provider {groupId} Failures is higher than {threshold}"
clear message	"Ratio of TTS failures per minute over the past {interval} minutes on TTS provider {groupId} is lower than {threshold}"
additional info	"Ratio of TTS failures per minute over the past {interval} minutes on TTS provider {groupId} is higher than {threshold}, Current ratio: {current}"
MINOR level	0.2
MAJOR level	0.5
CRITICAL level	-
use secondary device description	true
groupId whitelist	-

TTS Failure Per Session Manager Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the ratio of TTS failures per minute over the past interval per Session Manager for all TTS providers is higher than the threshold.
SNMP Alarm	acVoiceAITTSFailurePerSessionManager
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.6
Configuration P	arameters
alarm name	6
metrics	TTSFailuresPerMinute / CallEndingsPerMinute if CallEndingsPerMinute > 2 else 0
group by	sessionManagerId
time interval minutes	5
logical operator	>
message	"TTS (All) failures on session manager is higher than {threshold}"
clear message	"Ratio of TTS failures per minute over the past {interval} minutes on session manager {groupId} on all TTS providers together is lower than {threshold}"
additional info	"Ratio of TTS failures per minute over the past {interval} minutes on session manager {groupId} on all TTS providers together is higher than {threshold},Current ratio: {current}"
MINOR level	0.2
MAJOR level	0.5
CRITICAL level	-
use secondary device	true

Alarm Field	Description
description	
groupId whitelist	-

Bot Failure Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the ratio of bot failures per minute over the past interval on the specific bot is higher than the threshold.
SNMP Alarm	acVoiceAlBotFailure
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.7
Configuration Para	ameters
alarm name	7
metrics	BotFailuresPerMinute / CallEndingsPerMinute if CallEndingsPerMinute > 2 else 0
group by	botId
time interval minutes	5
logical operator	>
message	"BOT id {groupId} Failures is higher than {threshold}"
clear message	"Ratio of Bot failures per minute over the past {interval} minutes on bot id {groupId} is lower than {threshold}"
additional info	"Ratio of Bot failures per minute over the past {interval} minutes on bot id {groupId} is higher than {threshold}, Current ratio: {current}"
MINOR level	0.2
MAJOR level	0.5

Alarm Field	Description
CRITICAL level	-
use secondary device description	true
groupId whitelist	-

Bot Failure Per Session Manager Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the ratio of bot failures per minute over the past interval per Session Manager for all bots is higher than the threshold.
SNMP Alarm	acVoiceAlBotFailurePerSessionManager
Name	
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.8
Configuration Pa	rameters
alarm name	8
metrics	BotFailuresPerMinute / CallEndingsPerMinute if CallEndingsPerMinute > 2 else 0
group by	sessionManagerId
time interval minutes	5
logical operator	>
message	"BOT (All) failures on session manager is higher than {threshold}"
clear message	"Ratio of Bot failures per minute over the past {interval} minutes on session manager {groupId} on all bots together is lower than {threshold}"
additional info	"Ratio of Bot failures per minute over the past {interval} minutes on session manager {groupId} on all bots together is higher than

Alarm Field	Description
	{threshold}, Current ratio: {current}"
MINOR level	0.2
MAJOR level	0.5
CRITICAL level	-
use secondary device description	true
groupId whitelist	-

STT Failure Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the ratio of STT failures per minute over the past interval on the STT provider is higher than the threshold.
SNMP Alarm	acVoiceAlSTTFailure
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.9
Configuration Parameters	
alarm name	9
metrics	STTFailuresPerMinute / CallEndingsPerMinute if CallEndingsPerMinute > 2 else 0
group by	sttProviderId
time interval minutes	5
logical operator	>
message	"STT provider {groupId} Failures is higher than {threshold}"
clear message	"Ratio of STT failures per minute over the past {interval} minutes on

Alarm Field	Description
	STT provider {groupId} is lower than {threshold}"
additional info	"Ratio of STT failures per minute over the past {interval} minutes on STT provider {groupId} is higher than {threshold}, Current ratio: {current}"
MINOR level	0.2
MAJOR level	0.5
CRITICAL level	-
use secondary device description	true
groupld whitelist	-

STT Failure Per Session Manager Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the ratio of STT failures per minute over the past interval on the Session Manager for all STT providers is higher than the threshold.
SNMP Alarm Name	acVoiceAlSTTFailurePerSessionManager
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.10
Configuration P	arameters
alarm name	10
metrics	STTFailuresPerMinute / CallEndingsPerMinute if CallEndingsPerMinute > 2 else 0
group by	sessionManagerId
time interval minutes	5

Alarm Field	Description
logical operator	>
message	"STT (All) failures on session manager is higher than {threshold}"
clear message	"Ratio of STT failures per minute over the past {interval} minutes on session manager {groupId} on all STT providers together is lower than {threshold}"
additional info	"Ratio of STT failures per minute over the past {interval} minutes on session manager {groupId} on all STT providers together is higher than {threshold}, Current ratio: {current}"
MINOR level	0.2
MAJOR level	0.5
CRITICAL level	-
use secondary device	true
description	
groupId whitelist	-

Failed Calls Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the ratio of failed calls over the past interval is higher than the threshold.
SNMP Alarm	acVoiceAlFailedCalls
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.11
Configuration Parameters	
alarm name	11

Alarm Field	Description
metrics	(CallEndingsPerMinute - SuccessfulCallsPerMinute) / CallEndingsPerMinute if CallEndingsPerMinute > 2 else 0
group by	none
time interval minutes	5
logical operator	>
message	"Calls Failure Ratio is higher than {threshold}"
clear message	"Ratio of failed calls over the past {interval} minutes is no longer higher than {threshold}"
additional info	"Ratio of failed calls over the past {interval} minutes is higher than {threshold}, Current ratio: {current}"
MINOR level	0.2
MAJOR level	0.5
CRITICAL	-
level	
groupId whitelist	-

Failed Calls Per Session Manager Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the ratio of failed calls over the past interval on the Session Manager is higher than the threshold.
SNMP Alarm	acVoiceAlFailedCallsPerSessionManager
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.12
Configuration Parameters	

Alarm Field	Description
alarm name	12
metrics	(CallEndingsPerMinute - SuccessfulCallsPerMinute) / CallEndingsPerMinute if CallEndingsPerMinute > 2 else 0
group by	sessionManagerId
time interval minutes	5
logical operator	>
message	"Calls per Session Manager Failure Ratio is higher than {threshold}"
clear message	"Ratio of failed calls over the past {interval} minutes on session manager {groupId} is no longer higher than {threshold}"
additional info	"Ratio of failed calls over the past {interval} minutes on session manager {groupId} is higher than {threshold}, Current ratio: {current}"
MINOR level	0.2
MAJOR level	0.5
CRITICAL	-
level	
groupId whitelist	-

TTS Delay Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the average TTS delay over the past interval on the TTS provider is higher than the threshold.
SNMP Alarm	acVoiceAlTTSDelay
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.13
Configuration Parameters	

Alarm Field	Description
alarm name	13
metrics	AverageTTSDelayMilliseconds
group by	AverageTTSDelayMilliseconds
time interval minutes	5
logical operator	>
message	"Average TTS delay is higher than {threshold} milliseconds"
clear message	"Average TTS delay over the past {interval} minutes on TTS provider {groupId} is no longer higher than {threshold} milliseconds"
additional info	"Average TTS delay over the past {interval} minutes on TTS provider {groupId} is higher than {threshold} milliseconds, Current value: {current} milliseconds"
MINOR level	500
MAJOR level	1000
CRITICAL	-
use secondary device description	true
groupId whitelist	-

Call Duration Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the average call duration over the past interval on the bot is lower than the threshold.
SNMP Alarm	acVoiceAlCallDuration

Alarm Field	Description	
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.14	
Configuration P	Configuration Parameters	
alarm name	14	
metrics	AverageCallDurationSeconds if SuccessfulCallsPerMinute > 2 else 1000	
group by	botld	
time interval minutes	5	
logical operator	<	
message	"Average BOT call duration is lower than {threshold} seconds"	
clear message	"Average call duration over the past {interval} minutes on bot {groupId} is no longer lower than {threshold} seconds"	
additional info	"Average call duration over the past {interval} minutes on bot {groupId} is lower than {threshold} seconds, Current value: {current} seconds"	
MINOR level	10	
MAJOR level	5	
CRITICAL level	-	
groupId whitelist	-	

Active Calls Per Session Manager Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the active calls over the past interval on the Session Manager is higher than the threshold.
SNMP Alarm	acVoiceAlActiveCallsPerSessionManager

Alarm Field	Description
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.15
Configuration P	arameters
alarm name	15
metrics	ActiveCalls
group by	sessionManagerId
time interval minutes	5
logical operator	>
message	"Active calls is higher than {threshold}"
clear message	"Active calls over the past {interval} minutes on session manager {groupId} is no longer higher than {threshold}"
additional info	"Active calls over the past {interval} minutes on session manager {groupId} is higher than {threshold}, Current value: {current}"
MINOR level	200
MAJOR level	300
CRITICAL level	-
groupId whitelist	-

CPU Usage Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when CPU usage on the host over the past interval has been idle for a duration that is lower than the threshold.
SNMP Alarm	acVoiceAlCPUUsage

Alarm Field	Description
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.16
Configuration P	arameters
alarm name	16
metrics	cpu.usage_idle
group by	host
time interval minutes	5
logical operator	<
message	"CPU idle is lower than {threshold}%"
clear message	"CPU idle over the past {interval} minutes on host {groupId} is no longer lower than {threshold}%"
additional info	"CPU idle over the past {interval} minutes on host {groupId} is lower than {threshold}%, Current value: {current}%"
MINOR level	10
MAJOR level	5
CRITICAL	-
level	
groupId whitelist	-

Disk Usage Alarm

This alarm is sent when host's disk usage over the past interval is higher than the threshold.

Table 7-1: Disk Usage Alarm

Alarm Field	Description	
SNMP		
SNMP Alarm	acVoiceAIDiskUsage	

Alarm Field	Description
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.17
Configuration	Parameters
alarm name	17
metrics	disk.used_percent
group by	host
time interval minutes	5
logical operator	>
message	"Disk usage is higher than {threshold}%"
clear message	"Disk usage over the past {interval} minutes on host {groupId} is no longer higher than {threshold}%"
additional info	"Disk usage over the past {interval} minutes on host {groupId} is higher than {threshold}%, Current value: {current}%"
MINOR level	80
MAJOR level	90
CRITICAL level	-
groupId whitelist	-

Memory Usage Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when available RAM is lower than the threshold.
SNMP Alarm	acVoiceAIMemoryUsage
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.18

Alarm Field	Description
Configuration P	arameters
alarm name	18
metrics	mem.available_percent
group by	host
time interval minutes	5
logical operator	<
message	"Available RAM is lower than {threshold}%"
clear message	"Available RAM over the past {interval} minutes on host {groupId} is no longer lower than {threshold}%"
additional info	"Available RAM over the past {interval} minutes on host {groupId} is lower than {threshold}%, Current value: {current}%"
MINOR level	20
MAJOR level	10
CRITICAL level	-
groupId whitelist	-

Auto Update Not Working Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the Auto-update process is not working.
SNMP Alarm	acVoiceAlAutoUpdateNotWorking
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.19

Alarm Field	Description	
Configuration Parameters		
alarm name	19	
metrics	AutoUpdate.none	
group by	none	
time interval minutes	2	
logical operator	<	
message	"Auto-update process is not working"	
clear message	"Auto-update process is back to work"	
additional info	-	
MINOR level	-	
MAJOR level	-	
CRITICAL level	-	
groupId whitelist	-	

Auto Update Failure Alarm

Alarm Field	Description	
SNMP		
Description	This alarm is sent when there is a failure in the Auto-update process.	
SNMP Alarm	acVoiceAlAutoUpdateFailure	
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.20	
Configuration Parameters		
alarm name	20	
metrics	AutoUpdate.SuccessfulRun	

Alarm Field	Description
group by	none
time interval minutes	2
logical operator	<
message	"Failure of auto-update process"
clear message	"Auto-update process is back to normal"
additional info	-
MINOR level	-
MAJOR level	1
CRITICAL level	-
groupId whitelist	-

Session Manager Down Alarm

Alarm Field	Description	
SNMP		
Description	This alarm is sent when the Session Manager is down.	
SNMP Alarm	acVoiceAlSessionManagerDown	
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.21	
Configuration Parameters		
alarm name	21	
metrics	none	
group by	sessionManagerId	
time interval minutes	2	

Alarm Field	Description
logical operator	<
message	"Session manager {groupId} is down"
clear message	"Session manager {groupId} is no longer down"
additional info	-
MINOR level	-
MAJOR level	-
CRITICAL level	1
groupId whitelist	-

End-To-End Keep Alive Failed Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when the Session Manager is down.
SNMP Alarm	acVoiceAlEndToEndKeepAliveFailed
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.22
Configuration Parameters	
alarm name	22
metrics	Successful Calls Per Minute
group by	botld
time interval minutes	5
logical operator	<
message	"End to end keep alive failed on on bot {groupId}"
clear message	"successful end to end keep alive on bot {groupId}"

Alarm Field	Description
additional	"number of successful end to end keep alive per minute in the past
info	{interval} minutes on bot {groupId} is lower than {threshold}, Current value: {current}"
MINOR level	-
MAJOR level	-
CRITICAL level	0.2
groupId whitelist	-

Failed Key Retrieval per Session Manager Alarm

Alarm Field	Description
SNMP	
Description	This alarm is sent when a key retrieval attempt on the Session Manager fails.
SNMP Alarm	acVoiceAlKeyRetrievalFailure
SNMP OID	1.3.6.1.4.1.5003.9.90.1.2.0.23
Configuration Param	neters
alarm name	23
metrics	Secrets. Failed Key Attempts
group by	sessionManagerId
time interval minutes	3
logical operator	>
message	"Failed key retrieval on session manager {groupId}"
clear message	"Successful key retrieval on session manager {groupId}"
additional info	1111

Alarm Field	Description
MINOR level	-
MAJOR level	0.9
CRITICAL level	-
groupId whitelist	-

Table 7-2: User Defined

Alarm Field	Description		
Description	The following alarms can be defined by the user:		
	SNMP Alarm	SNMP OID	Alarm Title
	acVoiceAIUserDefined1	1.3.6.1.4.1.5003.9.90.1.2.0.200	User defined 1
	acVoiceAlUserDefined2	1.3.6.1.4.1.5003.9.90.1.2.0.201	User defined 2
	acVoiceAlUserDefined3	1.3.6.1.4.1.5003.9.90.1.2.0.202	User defined 3
	acVoiceAlUserDefined4	1.3.6.1.4.1.5003.9.90.1.2.0.203	User defined 4
	acVoiceAlUserDefined5	1.3.6.1.4.1.5003.9.90.1.2.0.204	User defined 5
	acVoiceAlUserDefined6	1.3.6.1.4.1.5003.9.90.1.2.0.205	User defined 6

	acVoiceAlUserDefined7		1.3.6.1.4.1.5003.9.90.1.2.0.206		User defined 7
	acVoiceAlUserDefined8		1.3.6.1.4.1.5003	3.9.90.1.2.0.207	User defined 8
	acVoiceAIUs	erDefined9	1.3.6.1.4.1.5003	3.9.90.1.2.0.208	User defined 9
	acVoiceAIUs	erDefined10	1.3.6.1.4.1.5003	3.9.90.1.2.0.209	User defined 10
AlarmType	communicat	ionsAlarm			'
Alarm Source	User defined	User defined			
Probable Cause	other (0)	other (0)			
Alarm Severity	Condition	Condition Text Corrective Action			on
Critical	User defined	User defined			
Major	User defined	User defined			
Major	User defined	User defined			
Warning	User defined	User defined			
Indeterminate	User defined	User defined			
Cleared	User defined	User defined			

Remote Manager is Down Alarm

Alarm Field	Description			
Description	This alarm indica	This alarm indicates that the VAIC failed to connect to the OVOC		
SNMP Alarm	acVoiceAlRemot	teManagerConnect	tionDown	
SNMP OID	1.3.6.1.4.1.5003	.9.90.1.2.0.24		
Alarm Title	Connection with	remote manager is	s down	
Alarm Source	ovoc			
Alarm Type	communications	sAlarm		
Probable Cause	other (0)	other (0)		
Alarm Severity	Condition	Text	Corrective Action	
Major	Connection with remote manager X is down	Connection with remote manager X is down	Check that the configured ovoc connection parameters are correct. Check that the OVOC is up and visible from the VAIC over the network.	
Cleared	Connection with remote manager X is no longer down	Connection with remote manager X is no longer down		

User Defined Alarms

Alarm Field	Description		
Description	The following alarms can be defined by the user:		
	SNMP OID Alarm Title		
	acVoiceAlUserDefined1	1.3.6.1.4.1.5003.9.90.1.2.0.20 0	User defined 1
	acVoiceAlUserDefined2		User

Alarm Field	Description			
		1.3.6.1.4.1.5003.9.90.1.2.0.20 1	defined 2	
	acVoiceAlUserDefined 3	1.3.6.1.4.1.5003.9.90.1.2.0.20 2	User defined 3	
	acVoiceAlUserDefined 4	1.3.6.1.4.1.5003.9.90.1.2.0.20 3	User defined 4	
	acVoiceAlUserDefined5	1.3.6.1.4.1.5003.9.90.1.2.0.20 4	User defined 5	
	acVoiceAlUserDefined6	1.3.6.1.4.1.5003.9.90.1.2.0.20 5	User defined 6	
	acVoiceAlUserDefined7	1.3.6.1.4.1.5003.9.90.1.2.0.20 6	User defined 7	
	acVoiceAlUserDefined8	1.3.6.1.4.1.5003.9.90.1.2.0.20 7	User defined 8	
	acVoiceAlUserDefined9	1.3.6.1.4.1.5003.9.90.1.2.0.20 8	User defined 9	
	acVoiceAlUserDefined10	1.3.6.1.4.1.5003.9.90.1.2.0.209	User defined 10	
AlarmType	communicationsAlarm			
Alarm Source	User defined			
Probable Cause	other (0)			
Alarm Severity	Condition	Text	Corrective Action	
Critical	User defined	User defined		
Major	User defined	User defined		
Warning	User defined	User defined		
Indeterminate	User defined	User defined		

Alarm Field	Description		
Cleared	User defined	User defined	

Zoom Phone System Alarms

Database Connectivity Failed

Alarm Field	Description				
Description	This alarm is raised when the Zoom Connect service is unable to access the Azure service of CosmosDB database.				
SNMP Alarm	acZmDbConnectivity	yFailAlarm			
SNMP OID	.1.3.6.1.4.1.5003.9.2	120.3.2.0.1			
Alarm Source	N/A				
Alarm Title	Database Connectiv	Database Connectivity Failed			
Alarm Type	Other	Other			
Probable Cause	Other				
Alarm Severity	Condition	<text></text>	Corrective Action		
Critical	Cosmos DB service in Azure is not accessible.	<failed operation=""> CosmosDB <database name=""> err: <error></error></database></failed>	Verify Azure service is accessible from the Azure portal.		
Cleared	Cosmos DB service in Azure is available again.	CosmosDB <database name=""> is accessible again.</database>			

Event - App Service Failed

Parameter	Description
Description	The event is raised when the Zoom Connect app service fails to do the following:
	Fails to retrieve the SBC device information from OVOC.

Parameter	De	scription			
	Fails to execute SBC CLI script.				
SNMP Alarm	acZmAppServiceFailEvent				
SNMP OID	.1.3.6.1.4.1.5003.9.120.3.2.0.2				
Alarm Source	N/A				
Alarm Title	App Service Failed	App Service Failed			
Alarm Type	Other				
Probable Cause	Other				
Alarm Severity	Condition	<text></text>	Corrective Action		
Minor	Failed to generate SBC script.	Empty SBC output for script <sbc template<br="">Name></sbc>	The SBC template is corrupted.The condition is for future use.		
Minor	Failed to retrieve details from OVOC of the SBC device that is connected to the Zoom Phone system.	Error:Failed to retrieve SBC info from OVOC	Troubleshoot OVOC network connections.		

Alarm - App Service Configuration failure

Parameter	Description
Description	The alarm is raised when the Zoom Connect service configuration is missing or wrong.
SNMP Alarm	acZmAppServiceCfgFailAlarm
SNMP OID	.1.3.6.1.4.1.5003.9.120.3.2.0.3
Alarm Source	N/A

Parameter	Description			
Alarm Title	App Service Configuration failure			
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition	<text></text>	Corrective Action	
Major	Provider configuration is not found in 'ProvidersInfo' container.	GetCustomerRequestPageInfo: provider <providername> not found in 'ProvidersInfo' container</providername>	 Add the provider name specifying that the alarms exists in the CosmosDb 'ProvidersInfo' container. Restart the Zoom Connect App service. The alarm will be cleared upon restart. 	
Cleared	No cleared message are sent to OVOC since all the alarms are cleared upon App Service restart.			

Alarm – Zoom Connectivity Failure

Alarm Field	Description
Description	The alarm is raised when the Zoom Connect service fails to connect to the Zoom Phone system.
SNMP Alarm	acZmZoomConnectivityAlarm

Alarm Field	Description		
SNMP OID	.1.3.6.1.4.1.5003.9.120.3.2.0.21		
Alarm Title	Alarm – Zoom Co	onnectivity Failure	
Alarm Source	<carrier exchang<="" td=""><td>ge name></td><td></td></carrier>	ge name>	
Alarm Type	Other		
Probable Cause	Other		
Additional Info1			
Additional Info2			
Alarm Severity	Condition	Alarm Text	Corrective Action
Major	The Zoom API is not accessible from the Zoom Connect ACV APP.	Zoom is not accessible at <zoom url=""></zoom>	Verify network connections.
Major	Invalid Carrier Exchange credentials.	Zoom access failed due to invalid Carrier Exchange credentials.	Verify that Carrier Exchange credentials in systemConfig container are modified according to Carrier Exchange 'application' at Zoom market place. Restart of the server running the Zoom Connect ACV APP is

Alarm Field	Description		
			required to apply the update.
Cleared	Zoom is accessible again.	Zoom is accessible again at <zoom url=""></zoom>	

Alarm – Ovoc Connectivity Failure

Alarm Fields	Description			
Description	The alarm is raised when Zoom Connect service failed to connect to OVOC			
SNMP Alarm	acZmOvocConnec	tivityFailAlarm		
SNMP OID	.1.3.6.1.4.1.5003.	9.120.3.2.0.11		
Alarm Source	N/A			
Alarm Title	Ovoc Connectivity failure			
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition	<text></text>	Corrective Action	
Major	OVOC is not accessible from Zoom Phone Connect	<failure Message></failure 	 Check the OVOC is accessible. Verify that app settings OVOC	
Cleared	OVOC is accessible again	OVOC is accessible again		

Event – Ovoc Action failed

Parameter	Description			
Description	The event is sent when Zoom Connect service fails to execute an action on OVOC.			
SNMP Alarm	acZmOvocActionI	acZmOvocActionFailEvent		
SNMP OID	.1.3.6.1.4.1.5003.9.120.3.2.0.12			
Alarm Source	N/A			
Alarm Title	Ovoc Action failed			
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition	<text></text>	Corrective Action	
Indeterminate	An action that executed on the Ovoc was failed.	<action description="">, Err=<failure message=""></failure></action>	In case the failure is not the result of connectivity issues, check failure message for the cause.	

Event – Ovoc Life Cycle

Parameter	Т			
Description	This event is raised when the Zoom Connect service starts. Upon this event, OVOC clears all the active alarms of the Zoom Connect service.			
SNMP Alarm	acZmOvocLifeCycleEvent			
SNMP OID	.1.3.6.1.4.1.5003.9.120.3.2.0.13			
Alarm Source	N/A			
Alarm Title	Ovoc Life Cycle			
Alarm Type	Other			
Probable Cause	Other			
Alarm Severity	Condition <text> Corrective Action</text>			
Indeterminate	Zoom Connect	Zoom Service Started		

Parameter	Т		
	service starting.		

Event – Zoom Authentication Failure

Alarm Field			
Description	The event is sent when Zoom Connect service failed to execute an action on Zoom environment.		
SNMP Alarm	acZmZoomAuthFai	lEvent	
SNMP OID	.1.3.6.1.4.1.5003.9.120.3.2.0.33		
Alarm Source	<sbc name=""></sbc>		
Alarm Title	Zoom Authentication failure		
Alarm Type	Other		
Probable Cause	Other		
Alarm Severity	Condition	<text></text>	Corrective Action
Indeterminate	Customer action failed due to an authentication failure	Customer <customer name=""> authentication failed during <action name=""> in zoom action</action></customer>	1. Customer user should handle it independently. Logout from service, close tab, relogin and execute the action again.

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