CHAPTER 11

Support Information for Cisco Traps

This chapter provides detailed information about the traps supported in Cisco ANA. It presents this information in two forms:

- **Trap Tables:** A section devoted to the supported traps for each MIB (e.g., Cisco IOS V1 Traps). Each of these sections contains a table listing the name of each ANA-supported trap in that MIB, along with its OID, varbinds, and a short description. The trap's Short Description is what you see in a ticket's Trap tabs in Cisco ANA EventVision. In the trap tables in this Reference Guide, each trap's Short Description is also a link to the trap's corresponding parameters.
- **Parameter Tables:** A section devoted to the event types, event subtypes and Cisco ANA registry parameters for the traps supported in each MIB. There is one parameter table for every trap table (e.g., Cisco IOS V1 Trap Registry Parameters). Each trap event can have multiple event subtypes, or states. The parameter tables indicate when each trap state is generated, and how Cisco ANA processes them (such as their severity, and whether they are ticketable, can be correlated, are autocleared, and so on).

This chapter includes the following sections:

Note Cisco IOS devices, Cisco XR 12000 Series and the Cisco CRS-1 Carrier Routing System must be configured to send traps in SNMP V2.

Cisco ASR 9000 V1 Traps

Table 11-1 lists the Cisco ASR 9000 SNMP V1 traps supported in Cisco ANA. For associated event types, event subtypes, and Cisco ANA registry parameters, use the link under Short Description or see Table 11-8.

Table 11-1 Cisco ASR 9000 V1 Traps

Trap Name	Trap OID	Sub Type Varbind OID	Sub Type Varbind Value	Description	Short Description
ciscoNtpSrvStatusChange	.1.3.6.1.4.1.9.9.168.0.1	1.3.6.1.4.1.9.9.168.1.1.11	=1	Sent whenever the value of cntpSysSrvStatus changes.	NTP Server Status Changes to Unknown
ciscoNtpSrvStatusChange	.1.3.6.1.4.1.9.9.168.0.1	1.3.6.1.4.1.9.9.168.1.1.11	=2	Sent whenever the value of cntpSysSrvStatus changes.	NTP Server Status Changes to notRunning
ciscoNtpSrvStatusChange	.1.3.6.1.4.1.9.9.168.0.1	1.3.6.1.4.1.9.9.168.1.1.11	=3	Sent whenever the value of cntpSysSrvStatus changes.	NTP Server Status Changes to notSynchronized
ciscoNtpSrvStatusChange	1.3.6.1.4.1.9.9.168.0.1	1.3.6.1.4.1.9.9.168.1.1.11	=4	Sent whenever the value of cntpSysSrvStatus changes.	NTP Server Status Changes to syncToLocal
ciscoNtpSrvStatusChange	1.3.6.1.4.1.9.9.168.0.1	1.3.6.1.4.1.9.9.168.1.1.11	=5	Sent whenever the value of cntpSysSrvStatus changes.	NTP Server Status Changes to syncToRefclock
ciscoNtpSrvStatusChange	1.3.6.1.4.1.9.9.168.0.1	1.3.6.1.4.1.9.9.168.1.1.11	=6	Sent whenever the value of cntpSysSrvStatus changes.	NTP Server Status Changes to syncToRemoteServer
topologyChange	1.3.6.1.2.1.17.0.2	N/A	N/A	Sent by a bridge when any of its configured ports transitions from the Learning state to the Forwarding state, or from the Forwarding state to the Blocking state. The trap is not sent if a newRoot trap is sent for the same transition. Implementation of this trap is optional.	Spanning Tree Topology Changed

Table 11-1 Cisco ASR 9000 V1 Traps (continued)

Trap Name	Trap OID	Sub Type Varbind OID	Sub Type Varbind Value	Description	Short Description
warmStart	1.3.6.1.6.3.1.1.5.2	N/A	N/A	Indicates that the SNMP entity supporting a notification originator application is reinitializing itself such that its configuration is unaltered.	Warm start trap
dot1agCfmFaultAlarm	1.0.8802.1.1.3.0.1	N/A	N/A	Indicates that a MEP has lost contact with one or more MEPs. A fault alarm is sent to the management entity with the OID of the MEP that detected the fault. Whenever a MEP loses contact with one or more other MEPs, it may or may not generate a fault alarm to warn the system administrator of the problem, as controlled by the MEP Fault Notification Generator State Machine and associated Managed Objects. Only the highest-priority defect is reported in the Fault Alarm. (802.1ag clause 12.14.7.7)	dot1ag CFM Fault Alarm

Cisco IOS V1 Traps

Table 11-2 lists the Cisco IOS SNMP V1 traps supported in Cisco ANA. For associated event types, event subtypes, and Cisco ANA registry parameters, use the link under Short Description or see Table 11-9.

Table 11-2 Cisco IOS V1 Traps

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
ciscoEnvMonTemperatureNotification	6	3	1.3.6.1.4.1.9.9.13.3.0	cisco Environment Monitoring Temperature Notification	1.3.6.1.4.1.9.9.13.1.3.1.6	3	Critical Temprature
ciscoEnvMonTemperatureNotification	6	3	1.3.6.1.4.1.9.9.13.3.0	cisco Environment Monitoring Temperature Notification	1.3.6.1.4.1.9.9.13.1.3.1.6	1	Normal Temprature
ciscoEnvMonTemperatureNotification	6	3	1.3.6.1.4.1.9.9.13.3.0	cisco Environment Monitoring Temperature Notification	1.3.6.1.4.1.9.9.13.1.3.1.6	6	Not Functioning
ciscoEnvMonTemperatureNotification	6	3	1.3.6.1.4.1.9.9.13.3.0	cisco Environment Monitoring Temperature Notification	1.3.6.1.4.1.9.9.13.1.3.1.6	5	Not Present
ciscoEnvMonTemperatureNotification	6	3	1.3.6.1.4.1.9.9.13.3.0	cisco Environment Monitoring Temperature Notification	1.3.6.1.4.1.9.9.13.1.3.1.6	4	Critical Temprature - Device Shutdown
ciscoEnvMonTemperatureNotification	6	3	1.3.6.1.4.1.9.9.13.3.0	cisco Environment Monitoring Temperature Notification	1.3.6.1.4.1.9.9.13.1.3.1.6	2	Temprature Rising
ciscoEnvMonSupplyStatusChangeNotif	6	9	1.3.6.1.4.1.9.9.13.3.0	cisco EnvMon Supply State Notification Trap	1.3.6.1.4.1.9.9.13.1.5.1.3	3	Power Supply - Critical
ciscoEnvMonSupplyStatusChangeNotif	6	9	1.3.6.1.4.1.9.9.13.3.0	cisco EnvMon Supply State Notification Trap	1.3.6.1.4.1.9.9.13.1.5.1.3	1	Power Supply - Normal
ciscoEnvMonSupplyStatusChangeNotif	6	9	1.3.6.1.4.1.9.9.13.3.0	cisco EnvMon Supply State Notification Trap	1.3.6.1.4.1.9.9.13.1.5.1.3	6	Power Supply - Not Functioning
ciscoEnvMonSupplyStatusChangeNotif	6	9	1.3.6.1.4.1.9.9.13.3.0	cisco EnvMon Supply State Notification Trap	1.3.6.1.4.1.9.9.13.1.5.1.3	5	Power Supply - Not Present

Table 11-2 Cisco IOS V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
ciscoEnvMonSuppStatusChangeNotif	6	9	1.3.6.1.4.1.9.9.13.3.0	cisco EnvMon Supply State Notification Trap	1.3.6.1.4.1.9.9.13.1.5.1.3	4	Power Supply - Shutdown
ciscoEnvMonSuppStatusChangeNotif	6	9	1.3.6.1.4.1.9.9.13.3.0	cisco EnvMon Supply State Notification Trap	1.3.6.1.4.1.9.9.13.1.5.1.3	2	Power Supply - Warning
ciscoEnvMonFanNotification	6	4	1.3.6.1.4.1.9.9.13.3.0	cisco private fan down trap	1.3.6.1.4.1.9.9.13.1.4.1.3	!= 1	Fan down trap
ciscoEnvMonFanNotification	6	4	1.3.6.1.4.1.9.9.13.3.0	cisco private fan down trap	1.3.6.1.4.1.9.9.13.1.4.1.3	1	Fan up trap
rttMonTimeoutNotification	6	2	1.3.6.1.4.1.9.9.42.2.0	Indicates the occurrence of a timeout for an RTT operation	N/A	N/A	RTT Operation Timeout
rttMonThresholdNotification	6	3	1.3.6.1.4.1.9.9.42.2.0	Indicates the occurrence of a threshold violation for an RTT operation	N/A	N/A	RTT Operation Threshold Violation
topologyChange	6	2	1.3.6.1.2.1.17	Sent by a bridge when any of its configured ports transitions from the Learning state to the Forwarding state, or from the Forwarding state to the Blocking state.	N/A	N/A	dot1qBridge trap

Table 11-2 Cisco IOS V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
cEtherCfmCcMepUp	6	1	1.3.6.1.4.1.9.9.461	Sent when: • A remote MEP first comes up (i.e., when we receive a CC message from that MEP for the first time). • The device receives a CC message from a MEP for which it has an expired CCDB entry. • A CC message is received for a remote MEP for which the device already has a CCDB entry and the port state in the received CC message is different from the cached previous state.	N/A	N/A	Mep up trap
cEtherCfmCcMepDown	6	2	1.3.6.1.4.1.9.9.461	Sent when a remote MEP goes down, namely, the entry in CCDB corresponding to this MEP times out or the device receives a CC message with zero hold-time	N/A	N/A	Mep down trap
coldStart	6	0	1.3.6.1.2.1.11.0	Indicates that the sending protocol entity is reinitializing itself such that the agent's configuration or the protocol entity implementation may be altered.	N/A	N/A	Cold start trap

Table 11-2 Cisco IOS V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
MIB2 V1 link down	2	0	1.3.6.1.6.3.1.1.5	Indicates that the sending protocol entity recognizes a failure in one of the communication links represented in the agent's configuration. The Trap-PDU of type linkDown contains as the first element of its variable bindings, the name and value of the ifIndex instance for the affected interface.	N/A	N/A	SNMP Link down
MIB2 V1 link up	3	0	1.3.6.1.6.3.1.1.5	Indicates that the sending protocol entity recognizes that one of the communication links represented in the agent's configuration has come up. The Trap-PDU of type linkUp contains as the first element of its variable-bindings the name and value of the ifIndex instance for the affected interface.	N/A	N/A	SNMP Link up
imaFailureAlarm	6	1	1.3.6.1.4.1.353.5.7.1.2	ima-Group-FailureAlarm v1	1.3.6.1.4.1.353.5.7.1.1.6	10,12,15	IMA Group Remote Failure
imaFailureAlarm	6	1	1.3.6.1.4.1.353.5.7.1.2	ima-Group-FailureAlarm v1	1.3.6.1.4.1.353.5.7.1.1.6	14	IMA Group Remote insufficient links trap
imaFailureAlarm	6	1	1.3.6.1.4.1.353.5.7.1.2	ima-Group-Clearing Alarm v1	1.3.6.1.4.1.353.5.7.1.1.5	1	IMA Group Up Trap
imaFailureAlarm	6	1	1.3.6.1.4.1.353.5.7.1.2	ima-Group-FailureAlarm v1	1.3.6.1.4.1.353.5.7.1.1.6	11,16	IMA Group local Failure

Table 11-2 Cisco IOS V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
imaFailureAlarm	6	1	1.3.6.1.4.1.353 .5.7.1.2	ima-Group-FailureAlarm v1	1.3.6.1.4.1.353 .5.7.1.1.6	13	IMA Group local insufficient links trap
imaFailureAlarm	6	1	1.3.6.1.4.1.353 .5.7.1.2	ima Link ima-Link-FailureAlarm v1	1.3.6.1.4.1.353 .5.7.1.1.6	2	Ima Link Loss of delay Frame Trap
imaFailureAlarm	6	1	1.3.6.1.4.1.353 .5.7.1.2	ima Link ima-Link-FailureAlarm v1	1.3.6.1.4.1.353 .5.7.1.1.6	1	Ima Link Loss of ima Frame Trap
imaFailureAlarm	6	1	1.3.6.1.4.1.353 .5.7.1.2	ima Link ima-Link-FailureAlarm v1	1.3.6.1.4.1.353 .5.7.1.1.6	5,7,9	Ima Link Rcv Failure Trap
imaFailureAlarm	6	1	1.3.6.1.4.1.353 .5.7.1.2	ima Link ima-Link-FailureAlarm v1	1.3.6.1.4.1.353 .5.7.1.1.6	3	Ima Link Remote Failure Trap
imaFailureAlarm	6	1	1.3.6.1.4.1.353 .5.7.1.2	ima-Link-ClearingAlarm v1	1.3.6.1.4.1.353 .5.7.1.1.5	1	Ima Link Up Trap
imaFailureAlarm	6	1	1.3.6.1.4.1.353 .5.7.1.2	ima Link ima-Link-FailureAlarm v1	1.3.6.1.4.1.353 .5.7.1.1.6	4,6,8	Ima Link Xmt Failure Trap
Cisco-UMT-state-change-v1	6	2	.1.3.6.1.4.1.9.9 .483	The state of the connection between the UMTS interfaces.	N/A	N/A	Cisco UMT state Change trap
Cisco-GSM-state-change-trap-v1	6	1	.1.3.6.1.4.1.9.9 .483	The state of the connection between the GSM interfaces	N/A	N/A	Cisco GSM state Change trap
Cisco-IPRAN-Backhaul-received-util-v1	6	3	.1.3.6.1.4.1.9.9 .483	When Rcvd. util changes to any of the status : acceptable, warning, overloaded.	1.3.6.1.4.1.9.9. 483.1.2.2.1.1.1 .3	1	IPRAN Backhaul Received Util Acceptable Trap
Cisco-IPRAN-Backhaul-received-util-v1	6	3	.1.3.6.1.4.1.9.9 .483	When Rcvd. util changes froto any of the status : acceptable, warning, overloaded.	1.3.6.1.4.1.9.9. 483.1.2.2.1.1.1 .3	2	IPRAN Backhaul Received Util Warning Trap
Cisco-IPRAN-Backhaul-received-util-v1	6	3	.1.3.6.1.4.1.9.9 .483	When Rcvd. util changes froto any of the status : acceptable, warning, overloaded.	1.3.6.1.4.1.9.9. 483.1.2.2.1.1.1 .3	3	IPRAN Backhaul Received Util Overloaded Trap

Table 11-2 Cisco IOS V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
Cisco-IPRAN-Backhaul-sent-util-v1	6	4	.1.3.6.1.4.1.9.9.483	When sent util changes froto any of the status : acceptable, warning, overloaded.	1.3.6.1.4.1.9.9.483.1.2.2.1.1.1.4	1	IPRAN Backhaul Sent Util Acceptable Trap
Cisco-IPRAN-Backhaul-sent-util-v1	6	4	.1.3.6.1.4.1.9.9.483	When sent util changes froto any of the status : acceptable, warning, overloaded.	1.3.6.1.4.1.9.9.483.1.2.2.1.1.1.4	2	IPRAN Backhaul Sent Util Overloaded Trap
Cisco-IPRAN-Backhaul-sent-util-v1	6	4	.1.3.6.1.4.1.9.9.483	When sent util changes froto any of the status : acceptable, warning, overloaded.	1.3.6.1.4.1.9.9.483.1.2.2.1.1.1.4	3	IPRAN Backhaul Sent Util Warning Trap
rttMonConnectionChangeNotification	6	1	1.3.6.1.4.1.9.9.42.2	IPSLA echo ConnLoss Trap v2	1.3.6.1.4.1.9.9.42.1.2.9.1.5	1	Connection Loss detected by ipsla icmp echo trap
rttMonConnectionChangeNotification	6	1	1.3.6.1.4.1.9.9.42.2	IPSLA echo ConnLoss Trap v2	1.3.6.1.4.1.9.9.42.1.2.9.1.5	2	Connection re-establish detected by ipsla icmp echo trap
rttMonTimeoutNotification	6	2	1.3.6.1.4.1.9.9.42.2	IPSLA IP or LSP echo Timeout trap v2	1.3.6.1.4.1.9.9.42.1.2.9.1.6	1	Timeout detected by ipsla icmp echo trap
rttMonTimeoutNotification	6	2	1.3.6.1.4.1.9.9.42.2	IPSLA IP or LSP echo Timeout trap v2	1.3.6.1.4.1.9.9.42.1.2.9.1.6	2	Connection re-establish detected by ipsla icmp echo trap
rttMonThresholdNotification	6	3	1.3.6.1.4.1.9.9.42.2	IPSLA Threshold Notification trap v2	1.3.6.1.4.1.9.9.42.1.2.9.1.7	1	Threshold crossing under trap
rttMonThresholdNotification	6	3	1.3.6.1.4.1.9.9.42.2	IPSLA Threshold Notification trap v2	1.3.6.1.4.1.9.9.42.1.2.9.1.7	2	Threshold crossing over trap
rttMonVerifyErrorNotification	6	4	1.3.6.1.4.1.9.9.42.2	IPSLA Threshold Notification deprecated trap v2	1.3.6.1.4.1.9.9.42.1.2.9.1.11	1	Data corruption in rtt operation trap

Table 11-2 Cisco IOS V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
rttMonVerifyError Notification	6	4	1.3.6.1.4.1.9.9.42.2	IPSLA Threshold Notification deprecated trap v2	1.3.6.1.4.1.9.9.42.1.2.9.1.11	2	Data corruption cleared in rtt operation trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	RTT MON notification	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, null, 1	Connection Loss detected by ipsla icmp echo trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	RTT MON notification	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, not null, 1	Connection Loss detected by ipsla LSP icmp echo trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	RTT MON notification	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, null, 2	Connection re-establish detected by ipsla icmp echo trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	RTT MON notification	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, not null, 2	Connection re-establish detected by ipsla LSP icmp echo trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	RTT MON notification	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, null, 1	Timeout detected by ipsla icmp echo trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	RTT MON notification	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, not null, 1	Timeout detected by ipsla LSP icmp echo trap

Table 11-2 Cisco IOS V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	RTT MON notification	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, null, 2	Connection re-establish detected by ipsla icmp echo trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	RTT MON notification	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, not null, 2	Connection re-establish detected by ipsla LSP icmp echo trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	RTT MON notification	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	1, 1	RTT threshold crossing over trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	RTT MON notification	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	1, 2	RTT threshold crossing under trap
rttMonLpdDiscoveryNotification	6	6	1.3.6.1.4.1.9.9.42.2	IPSLA LPD Discovery trap v2	1.3.6.1.4.1.9.9.42.1.3.7.1.13	1	IPSLA LSP path discovery failure trap
rttMonLpdDiscoveryNotification	6	6	1.3.6.1.4.1.9.9.42.2	IPSLA LPD Discovery trap v2	1.3.6.1.4.1.9.9.42.1.3.7.1.13	2	IPSLA LSP path rediscovery trap
rttMonLpdGrpStatusNotification	6	7	1.3.6.1.4.1.9.9.42.2	IPSLA LDP Group Status trap v2	1.3.6.1.4.1.9.9.42.1.3.7.1.16	3,4	IPSLA LDP group status failure trap
rttMonLpdGrpStatusNotification	6	7	1.3.6.1.4.1.9.9.42.2	IPSLA LDP Group Status trap v2	1.3.6.1.4.1.9.9.42.1.3.7.1.16	2	IPSLA LDP group status restoration trap
cmplsFrrProtected	6	1	1.3.6.1.4.1.9.10.98	TE FRR trigger notification v1	N/A	N/A	FRR Protected Trap
cmplsFrrUnProtected	6	2	1.3.6.1.4.1.9.10.98	TE FRR trigger notification v1	N/A	N/A	FRR Unprotected Trap

Table 11-2 Cisco IOS V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
cpwVcUp	6	2	1.3.6.1.4.1.9.10.106.2	This notification is generated when the cpwVcOperStatus object for one or more contiguous entries in cpwVcTable are about to enter the up(1) state from some other state.	N/A	N/A	Pseudo wire tunnel up
cpwVcDown	6	1	1.3.6.1.4.1.9.10.106.2	This notification is generated when the cpwVcOperStatus object for one or more contiguous entries in cpwVcTable are about to enter the up(1) state from some other state.	N/A	N/A	Pseudo wire tunnel down

Table 11-2 Cisco IOS V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
vtpConfigRevNumberError	6	1	1.3.6.1.4.1.9.9.46.2	A configuration revision number error notification signifies that a device has incremented its vtpConfigRevNumberErrors counter. Generation of this notification is suppressed if the vtpNotificationsEnabled has the value 'false'. The device must throttle the generation of consecutive vtpConfigRevNumberError notifications so that there is at least a five-second gap between notification of this type. When notification are throttled, they are dropped, not queued for sending at a future time. (Note that 'generating' a notification means sending to all configured recipients	N/A	N/A	vtp configuration revision number error trap

Table 11-2 Cisco IOS V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
vtpConfigDigestError	6	2	1.3.6.1.4.1.9.9.46.2	A configuration digest error notification signifies that a device has incremented its vtpConfigDigestErrors counter. Generation of this notification is suppressed if the vtpNotificationsEnabled has the value 'false'. The device must throttle the generation of consecutive vtpConfigDigestError notifications so that there is at least a five-second gap between notification of this type. When notification are throttled, they are dropped, not queued for sending at a future time. (Note that 'generating' a notification means sending to all configured recipients).	N/A	N/A	vtp configuration digest error trap

Table 11-2 Cisco IOS V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
vtpVersionOneDeviceDetected	6	6	1.3.6.1.4.1.9.9.46.2	A VTP version one device detected notification is generated by a device when: A. A management domain has been put into version 2 mode (as accessed by managementDomain VersionInUse). B. 15 minutes has passed since (A) occurred. C. A version 1 PDU is detected on a trunk on the device that is in that management domain which has a lower revision number than the current configuration.	N/A	N/A	vtp VersionOne Device Detected trap
vtpLocalModeChanged	6	8	1.3.6.1.4.1.9.9.46.2	A vtpLocalModeChanged notification is generated by a device when the value of the object managementDomain LocalMode is changed.	N/A	N/A	vtp Local Mode Changed trap
vtpVersionInUseChanged	6	9	1.3.6.1.4.1.9.9.46.2	A vtpVersionInUseChanged notification is generated by a device when the value of the object managementDomain VersionInUse is changed.	N/A	N/A	vtp VersionInUse Changed trap

Table 11-2 Cisco IOS V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
vlanTrunkPortDynamicStatusChange	6	7	1.3.6.1.4.1.9.9.46.2	A vlanTrunkPortDynamicStatusChange notification is generated by a device when the value of vlanTrunkPortDynamicStatus object has been changed.	1.3.6.1.4.1.9.9.46.1.6.1.1.14	1	Vlan trunk port dynamic status changed to trunking
vlanTrunkPortDynamicStatusChange	6	7	1.3.6.1.4.1.9.9.46.2	A vlanTrunkPortDynamicStatusChange notification is generated by a device when the value of vlanTrunkPortDynamicStatus object has been changed.	1.3.6.1.4.1.9.9.46.1.6.1.1.14	2	Vlan trunk port dynamic status changed to not trunking

Cisco IOS V2 Traps

Table 11-3 lists the Cisco IOS SNMP V2 traps supported in Cisco ANA. For associated event types, event subtypes, and Cisco ANA registry parameters, use the link under Short Description or see Table 11-10.

Table 11-3 Cisco IOS V2 Traps

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cbfDefineFileCompletion	1.3.6.1.4.1.9.9.81.2.0.1	N/A	N/A	A cbfDefineFileCompletion notification is sent on the following conditions : completion of a file consumption operation in case of ephemeral files: completion of file creation operation in case of volatile or permanent files: any error during file creation.	CBF File operation state indicator
cbgpBackwardTransition	1.3.6.1.4.1.9.9.187.0.2	1.3.6.1.4.1.9.9.187.0.2	!= (1or 6)	The cbgpBackwardTransition Event is generated when the BGP FSM moves from a higher numbered state to a lower numbered state. The bgpPeerRemoteAddr value is attached to the notification object ID.	Cisco BGP backward transition trap
cbgpFsmStateChange	1.3.6.1.4.1.9.9.187.0.1	1.3.6.1.4.1.9.9.187.0.2	= 1	The BGP cbgpFsmStateChange notification is generated for every BGP FSM state change.	Cisco BGP down trap
cbgpFsmStateChange	1.3.6.1.4.1.9.9.187.0.1	1.3.6.1.4.1.9.9.187.0.2	= 6	The BGP cbgpFsmStateChange notification is generated for every BGP FSM state change.	Cisco BGP established trap
cbgpPrefixThresholdExceeded	1.3.6.1.4.1.9.9.187.0.3	N/A	N/A	The cbgpPrfefixMaxThresholdExceeded notification is generated when prefix count exceeds the configured warning threshold on a session for an address family	Cisco BGP prefix threshold exceeded

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cbgpPrefixThresholdClear	1.3.6.1.4.1.9.9.187.0.4	N/A	N/A	The cbgpPrefixThresholdClear notification is generated when prefix count drops below the configured clear threshold on a session for an address family once cbgpPrefixThresholdExceeded is generated. This won't be generated if the peer session goes down after the generation of bgpPrefixThresholdExceeded. The bgpPeerRemoteAddr, bgpPeerAddrFamilyAfi and cbgpPeerAddrFamilySafi values are attached to the notification object ID.	Cisco BGP prefix threshold clear
ccCopyCompletion	1.3.6.1.4.1.9.9.96.2.1.1	N/A	N/A	A ccCopyCompletion trap is sent at the completion of a config-copy request. The ccCopyFailCause is not instantiated, and hence not included in a trap, when the ccCopyState is success	Config-copy request completion
ciscoConfigManEvent	1.3.6.1.4.1.9.9.43.2.0.1	N/A	N/A	Notification of a configuration management event as recorded in ccmHistoryEventTable.	Cisco Configuration management event notification
cefcFanTrayStatusChange	1.3.6.1.4.1.9.9.117.2.0.6	1.3.6.1.4.1.9.9.117.1.4.1.1.1	!=2	This notification is generated when the value of cefcFanTrayOperStatus changes.	cefc fan-tray oper status down
cefcFanTrayStatusChange	1.3.6.1.4.1.9.9.117.2.0.6	1.3.6.1.4.1.9.9.117.1.4.1.1.1	=2	This notification is generated when the value of cefcFanTrayOperStatus changes.	cefc fan-tray oper status up
cefcFRUInserted	1.3.6.1.4.1.9.9.117.2.0.3	N/A	N/A	The cecfFRUInserted notification indicates that a FRU was inserted. The varbind for this notification indicates the entPhysicalIndex of the inserted FRU, and the entPhysicalIndex of the FRU's container.	cefc FRU inserted

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cefcFRURemoved	1.3.6.1.4.1.9.9.117.2.0.4	N/A	N/A	The cefcFRURemoved notification indicates that a FRU was removed. The varbind for this notification indicates the entPhysicalIndex of the removed FRU, and the entPhysicalIndex of the FRU's container.	cefc FRU removed
cefcModuleStatusChange	1.3.6.1.4.1.9.9.117.2.0.1	1.3.6.1.4.1.9.9.117.1.2.1.1.2	!=2	This notification is generated when the value of cefcModuleOperStatus changes. It can be utilized by an NMS to update the status of the module it is managing.	cefc module oper status down
cefcModuleStatusChange	1.3.6.1.4.1.9.9.117.2.0.1	1.3.6.1.4.1.9.9.117.1.2.1.1.2	=2	This notification is generated when the value of cefcModuleOperStatus changes. It can be utilized by an NMS to update the status of the module it is managing.	cefc module oper status up
cefcPowerStatusChange	1.3.6.1.4.1.9.9.117.2.0.2	1.3.6.1.4.1.9.9.117.1.1.2.1.2	!=2	The cefcFRUPowerStatusChange notification indicates that the power status of a FRU has changed. The varbind for this notification indicates the entPhysicalIndex of the FRU, and the new operational-status of the FRU.	cefc power status down
cefcPowerStatusChange	1.3.6.1.4.1.9.9.117.2.0.2	1.3.6.1.4.1.9.9.117.1.1.2.1.2	=2	The cefcFRUPowerStatusChange notification indicates that the power status of a FRU has changed. The varbind for this notification indicates the entPhysicalIndex of the FRU, and the new operational-status of the FRU.	cefc power status up
entSensorThresholdNotification	1.3.6.1.4.1.9.9.91.2.0.1	N/A	N/A	The sensor value crossed the threshold listed in entSensorThresholdTable. This notification is generated once each time the sensor value crossesthe threshold.	sensor value crossed threshold in entSensorThresholdTable

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ciscoFlashCopyCompletionTrap	1.3.6.1.4.1.9.9.10.1.3.0.1	1.3.6.1.4.1.9.9.10.1.2.1.1.8	!= (0 or 1 or 2)	A ciscoFlashCopyCompletionTrap is sent at the completion of a flash copy operation if such a trap was requested when the operation was initiated.	Cisco flash copy failed
ciscoFlashCopyCompletionTrap	1.3.6.1.4.1.9.9.10.1.3.0.1	1.3.6.1.4.1.9.9.10.1.2.1.1.8	=2	A ciscoFlashCopyCompletionTrap is sent at the completion of a flash copy operation if such a trap was requested when the operation was initiated.	Cisco flash copy completion
ciscoFlashCopyCompletionTrap	1.3.6.1.4.1.9.9.10.1.3.0.1	1.3.6.1.4.1.9.9.10.1.2.1.1.8	=(0 or 1)	A ciscoFlashCopyCompletionTrap is sent at the completion of a flash copy operation if such a trap was requested when the operation was initiated.	Cisco flash copy in progress
ciscoFlashDeviceChangeTrap	1.3.6.1.4.1.9.9.10.1.3.0.4	N/A	N/A	A ciscoFlashDeviceChangeTrap is sent whenever a removable Flash device is inserted or removed.	Cisco Flash device changed
ciscoFlashDeviceInsertedNotif	1.3.6.1.4.1.9.9.10.1.3.0.5	N/A	N/A	A ciscoFlashDeviceInsertedNotif notification is sent whenever a removable Flash device is inserted.	Cisco Flash device inserted
ciscoFlashDeviceRemovedNotif	1.3.6.1.4.1.9.9.10.1.3.0.6	N/A	N/A	A ciscoFlashDeviceRemovedNotif notification is sent whenever a removable Flash device is removed.	Cisco Flash device removed
ciscoFlashDeviceInsertedNotifRev1	1.3.6.1.4.1.9.9.10.1.3.0.7	N/A	N/A	A ciscoFlashDeviceInsertedNotifRev1 notification is sent whenever a removable Flash device is inserted.The ciscoFlashDeviceInsertedNotifRev1 depcrecates ciscoFlashDeviceInsertedNotif since it uses ciscoFlashDeviceName as a varbind which is deprecated.	Cisco Flash device inserted

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ciscoFlashDeviceRemovedNotifRev1	1.3.6.1.4.1.9.9.10.1.3.0.8	N/A	N/A	A ciscoFlashDeviceRemovedNotifRev1 notification is sent whenever a removable Flash device is removed. The ciscoFlashDeviceRemovedNotifRev1 depcrecates ciscoFlashDeviceRemovedNotif since it uses ciscoFlashDeviceName as a varbind which is deprecated.	Cisco Flash device removed
ciscoFlashMiscOpCompletionTrap	1.3.6.1.4.1.9.9.10.1.3.0.3	1.3.6.1.4.1.9.9.10.1.2.3.1.4	!= (1 or 2)	A ciscoFlashMiscOpCompletionTrap is sent at the completion of a miscellaneous flash operation (enumerated in ciscoFlashMiscOpCommand) if such a trap was requested when the operation was initiated.	Cisco Flash miscellaneous operation failed
ciscoFlashMiscOpCompletionTrap	1.3.6.1.4.1.9.9.10.1.3.0.3	1.3.6.1.4.1.9.9.10.1.2.3.1.4	=2	A ciscoFlashMiscOpCompletionTrap is sent at the completion of a miscellaneous flash operation (enumerated in ciscoFlashMiscOpCommand) if such a trap was requested when the operation was initiated.	Cisco Flash miscellaneous operation completed
ciscoFlashMiscOpCompletionTrap	1.3.6.1.4.1.9.9.10.1.3.0.3	1.3.6.1.4.1.9.9.10.1.2.3.1.4	=1	A ciscoFlashMiscOpCompletionTrap is sent at the completion of a miscellaneous flash operation (enumerated in ciscoFlashMiscOpCommand) if such a trap was requested when the operation was initiated.	Cisco Flash miscellaneous operation in progress
chassisAlarmOff	1.3.6.1.4.1.9.5.0.6	N/A	N/A	chassis alarm trap	chassis alarm off
chassisAlarmOn	1.3.6.1.4.1.9.5.0.5	N/A	N/A	chassis alarm trap	chassis alarm on

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cPimNbrLoss	1.3.6.1.4.1.9.10.119.0.2	N/A	N/A	A cPimNbrLoss trap signifies the loss of an adjacency with a neighbor. This trap should be generated when the neighbor timer expires, and the router has no other neighbors on the same interface with a lower IP address than itself.	Cisco PIM neighbor lost
ciscoPingCompletion	1.3.6.1.4.1.9.9.16.2.0.1	N/A	N/A	A ciscoPingCompleted trap is sent at the completion of a sequence of pings if such a trap was requested when the sequence was initiated.	Cisco ping completion
ciscoSonetSectionStatusChange	1.3.6.1.4.1.9.9.126.0.1	1.3.6.1.2.1.10.39.1.2.1.1.1	!=1	This notification is generated whenever the value of sonetSectionCurrentStatus changes to value more than 1.	Cisco Sonet section status changed to error
ciscoSonetSectionStatusChange	1.3.6.1.4.1.9.9.126.0.1	1.3.6.1.2.1.10.39.1.2.1.1.1	=1	This notification is generated whenever the value of sonetSectionCurrentStatus changes to value 1.	Cisco Sonet section status changed to clear
ciscoSonetLineStatusChange	1.3.6.1.4.1.9.9.126.0.2	1.3.6.1.2.1.10.39.1.3.1.1.1	!=1	This notification is generated whenever the value of sonetLineCurrentStatus changes to value more than 1.	Cisco Sonet line status changed to error
ciscoSonetLineStatusChange	1.3.6.1.4.1.9.9.126.0.2	1.3.6.1.2.1.10.39.1.3.1.1.1	=1	This notification is generated whenever the value of sonetLineCurrentStatus changes to value 1.	Cisco Sonet line status changed to clear
ciscoSonetPathStatusChange	1.3.6.1.4.1.9.9.126.0.3	1.3.6.1.2.1.10.39.2.1.1.1.2	!=1	This notification is generated whenever the value of sonetPathCurrentStatus changes to value more than 1.	Cisco Sonet path status changed to error
ciscoSonetPathStatusChange	1.3.6.1.4.1.9.9.126.0.3	1.3.6.1.2.1.10.39.2.1.1.1.2	=1	This notification is generated whenever the value of sonetPathCurrentStatus changes to value 1.	Cisco Sonet path status changed to clear

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
mplsLdpFailedInitSessionThresholdExceeded	1.3.6.1.4.1.9.10.65.2.0.1	N/A	N/A	This notification is generated when the value of the 'mplsLdpEntityPVLimitMismatchTrapEnable' object is 'enabled(1)' and the value of the object, 'mplsLdpEntityFailedInitSessionThreshold' has been exceeded.	MPLS LDP init session threshold exceeded Trap
mplsLdpSessionDown	1.3.6.1.4.1.9.10.65.2.0.4	N/A	N/A	Generation of this trap occurs when the 'mplsLdpSessionUpDownTrapEnable' object is 'enabled(1)' and the value of mplsLdpSessionState changes from 'operational(5)' to any other state.	MPLS LDP session down Trap
mplsLdpSessionUp	1.3.6.1.4.1.9.10.65.2.0.3	N/A	N/A	Generation of this trap occurs when the 'mplsLdpSessionUpDownTrapEnable' object is 'enabled(1)' and the value of mplsLdpSessionState changes from any state accept 'nonexistent(1)' to 'operational.	MPLS LDP session up Trap
mplsTunnelUp	1.3.6.1.3.95.3.0.1	N/A	N/A	This notification is generated when a mplsTunnelOperStatus object for one of the configured tunnels is about to leave the down state and transition into some other state (but not into the notPresent state). This other state is indicated by the included value of mplsTunnelOperStatus.	MPLS-TE tunnel up trap
mplsTunnelDown	1.3.6.1.3.95.3.0.2	N/A	N/A	This notification is generated when a mplsTunnelOperStatus object for one of the configured tunnels 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 mplsTunnelOperStatus.	MPLS-TE tunnel down trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
mplsTunnelRerouted	1.3.6.1.3.95.3.0.3	N/A	N/A	This notification is generated when a tunnel is rerouted or re-optimized. If the Actual Path is used, then this object MAY contain the new path for this tunnel some time after this trap is issued by the agent	MPLS-TE tunnel rerouted trap
ciscoIpMRouteMissingHeartBeats	1.3.6.1.4.1.9.10.2.3.1.0.1	N/A	N/A	A notification is sent if a multicast router with this feature enabled failed to receive configured number of heartbeat packets from heartbeat sources within a configured time interval	Failed receive multicast router heartbeat
ciscoRFProgressionNotif	1.3.6.1.4.1.9.9.176.2.0.2	N/A	N/A	VSL link goes down or one of the chassis reloads	Cisco VSS Shelf 1 is Disabled
ciscoRFProgressionNotif	1.3.6.1.4.1.9.9.176.2.0.2	N/A	N/A	VSL link goes down or one of the chassis reloads	Cisco VSS Shelf 1 is Standby Cold
ciscoRFProgressionNotif	1.3.6.1.4.1.9.9.176.2.0.2	N/A	N/A	VSL link goes down or one of the chassis reloads	Cisco VSS Shelf 1 is Standby Hot
ciscoRFProgressionNotif	1.3.6.1.4.1.9.9.176.2.0.2	N/A	N/A	VSL link goes down or one of the chassis reloads	Cisco VSS Shelf 2 is Disabled
ciscoRFProgressionNotif	1.3.6.1.4.1.9.9.176.2.0.2	N/A	N/A	VSL link goes down or one of the chassis reloads	Cisco VSS Shelf 2 is Standby Cold
ciscoRFProgressionNotif	1.3.6.1.4.1.9.9.176.2.0.2	N/A	N/A	VSL link goes down or one of the chassis reloads	Cisco VSS Shelf 2 is Standby Hot
cvsVSLConnectionChangeNotif	1.3.6.1.4.1.9.9.388.0.1	N/A	N/A	when VSL connection is down	VSL Connection Changed: Down
cvsVSLConnectionChangeNotif	1.3.6.1.4.1.9.9.388.0.1	N/A	N/A	when VSL connection is up	VSL Connection Change: Up
topologyChange	1.3.6.1.2.1.17.0.2	N/A	N/A	This Notification is sent by a bridge when any of its configured ports transitions from the Learning state to the Forwarding state, or from the Forwarding state to the Blocking state.	dot1qBridge trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cEtherCfmCcMepUp	1.3.6.1.4.1.9.9.461.0.0.1	N/A	N/A	This notification is generated in the following cases: when a remote MEP first comes up, that is when we receive CC message from that MEP for the first time; when the device receives a CC message from a MEP for which it has an expired CCDB entry; when a CC message is received for a remote MEP for which the device already has a CCDB entry and the port-state in the received CC message is different from the cached previous state	Mep up trap
cEtherCfmCcMepDown	1.3.6.1.4.1.9.9.461.0.0.2	N/A	N/A	This notification is generated when a remote MEP goes down; i.e. the entry in CCDB corresponding to this MEP times out or the device receives a CC message with zero hold-time	Mep down trap
coldStart	1.3.6.1.2.1.11.0.0	N/A	N/A	This trap signifies that the sending protocol entity is reinitializing itself such that the agent s configuration or the protocol entity implementation may be altered.	Cold start trap
cHsrpStateChange	1.3.6.1.4.1.9.9.106.2.0.1	1.3.6.1.4.1.9.9.106.1.2.1.1.15	= 5	A cHsrpStateChange notification is sent when a cHsrpGrpStandbyState transitions to either active or standby state, or leaves active or standby state. There will be only one notification issued when the state change is from standby to active and vice versa.	Cisco hsrp state standby

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cHsrpStateChange	1.3.6.1.4.1.9.9.106.2.0.1	1.3.6.1.4.1.9.9.106.1.2.1.1.15	= ^	A cHsrpStateChange notification is sent when a cHsrpGrpStandbyState transitions to either active or standby state, or leaves active or standby state. There will be only one notification issued when the state change is from standby to active and vice versa.	Cisco hsrp state non active
cHsrpStateChange	1.3.6.1.4.1.9.9.106.2.0.1	1.3.6.1.4.1.9.9.106.1.2.1.1.15	= 6	A cHsrpStateChange notification is sent when a cHsrpGrpStandbyState transitions to either active or standby state, or leaves active or standby state. There will be only one notification issued when the state change is from standby to active and vice versa.	Cisco hsrp state active
ciscoEnvMonFanNotification	1.3.6.1.4.1.9.9.13.3.0.4	1.3.6.1.4.1.9.9.13.1.4.1.3	= 3	A ciscoEnvMonFanNotification is sent if any one of the fans in the fan array (where existent) fails. Since such a notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Cisco Environment Monitoring Fan Notification - Critical
ciscoEnvMonFanNotification	1.3.6.1.4.1.9.9.13.3.0.4	1.3.6.1.4.1.9.9.13.1.4.1.3	= 1	A ciscoEnvMonFanNotification is sent if any one of the fans in the fan array (where existent) fails. Since such a notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Cisco Environment Monitoring Fan Notification - Normal

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ciscoEnvMonFanNotification	1.3.6.1.4.1.9.9.13.3.0.4	1.3.6.1.4.1.9.9.13.1.4.1.3	= 6	A ciscoEnvMonFanNotification is sent if any one of the fans in the fan array (where existent) fails. Since such a notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Cisco Environment Monitoring Fan Notification - Not Functioning
ciscoEnvMonFanNotification	1.3.6.1.4.1.9.9.13.3.0.4	1.3.6.1.4.1.9.9.13.1.4.1.3	= 5	A ciscoEnvMonFanNotification is sent if any one of the fans in the fan array (where existent) fails. Since such a notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Cisco Environment Monitoring Fan Notification - Not Present
ciscoEnvMonFanNotification	1.3.6.1.4.1.9.9.13.3.0.4	1.3.6.1.4.1.9.9.13.1.4.1.3	= 4	A ciscoEnvMonFanNotification is sent if any one of the fans in the fan array (where existent) fails. Since such a notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Cisco Environment Monitoring Fan Notification - Shutdown

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ciscoEnvMonFanNotification	1.3.6.1.4.1.9.9.13.3.0.4	1.3.6.1.4.1.9.9.13.1.4.1.3	= 2	A ciscoEnvMonFanNotification is sent if any one of the fans in the fan array (where existent) fails. Since such a notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Cisco Environment Monitoring Fan Notification - Warning
ciscoEnvMonRedundantSupplyNotification	1.3.6.1.4.1.9.9.13.3.0.5	1.3.6.1.4.1.9.9.13.1.5.1.3	= 3	A ciscoEnvMonRedundantSupplyNotification is sent if the redundant power supply (where exists) fails. Since such a notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Redundant Supply State - Critical
ciscoEnvMonRedundantSupplyNotification	1.3.6.1.4.1.9.9.13.3.0.5	1.3.6.1.4.1.9.9.13.1.5.1.3	= 1	A ciscoEnvMonRedundantSupplyNotification is sent if the redundant power supply (where exists) fails. Since such a notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Redundant Supply State - Normal

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ciscoEnvMonRedundantSupplyNotification	1.3.6.1.4.1.9.9.13.3.0.5	1.3.6.1.4.1.9.9.13.1.5.1.3	= 6	A ciscoEnvMonRedundantSupplyNotification is sent if the redundant power supply (where exists) fails. Since such a notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Redundant Supply State - Not Functioning
ciscoEnvMonRedundantSupplyNotification	1.3.6.1.4.1.9.9.13.3.0.5	1.3.6.1.4.1.9.9.13.1.5.1.3	= 5	A ciscoEnvMonRedundantSupplyNotification is sent if the redundant power supply (where exists) fails. Since such a notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sentthan does the ciscoEnvMonShutdownNotification.	Redundant Supply State - Not Present
ciscoEnvMonRedundantSupplyNotification	1.3.6.1.4.1.9.9.13.3.0.5	1.3.6.1.4.1.9.9.13.1.5.1.3	= 4	A ciscoEnvMonRedundantSupplyNotification is sent if the redundant power supply (where exists) fails. Since such a notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Redundant Supply State - Shutdown

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ciscoEnvMonRedundantSupplyNotification	1.3.6.1.4.1.9.9.13.3.0.5	1.3.6.1.4.1.9.9.13.1.5.1.3	= 2	A ciscoEnvMonRedundantSupplyNotification is sent if the redundant power supply (where exists) fails. Since such a notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Redundant Supply State - Warning
ciscoEnvMonTemperatureNotification	1.3.6.1.4.1.9.9.13.3.0.3	1.3.6.1.4.1.9.9.13.1.3.1.6	= 3	A ciscoEnvMonTemperatureNotification is sent if the temperature measured at a given test point is outside the normal range for the test point (i.e. is at the warning, critical, or shutdown stage). Since such a Notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Critical Temperature
ciscoEnvMonTemperatureNotification	1.3.6.1.4.1.9.9.13.3.0.3	1.3.6.1.4.1.9.9.13.1.3.1.6	= 1	A ciscoEnvMonTemperatureNotification is sent if the temperature measured at a given test point is outside the normal range for the test point (i.e. is at the warning, critical, or shutdown stage). Since such a Notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Normal Temperature

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ciscoEnvMonTemperatureNotification	1.3.6.1.4.1.9.9.13.3.0.3	1.3.6.1.4.1.9.9.13.1.3.1.6	= 6	A ciscoEnvMonTemperatureNotification is sent if the temperature measured at a given test point is outside the normal range for the test point (i.e. is at the warning, critical, or shutdown stage). Since such a Notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Not Functioning
ciscoEnvMonTemperatureNotification	1.3.6.1.4.1.9.9.13.3.0.3	1.3.6.1.4.1.9.9.13.1.3.1.6	= 5	A ciscoEnvMonTemperatureNotification is sent if the temperature measured at a given test point is outside the normal range for the test point (i.e. is at the warning, critical, or shutdown stage). Since such a Notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Not Present
ciscoEnvMonTemperatureNotification	1.3.6.1.4.1.9.9.13.3.0.3	1.3.6.1.4.1.9.9.13.1.3.1.6	= 4	A ciscoEnvMonTemperatureNotification is sent if the temperature measured at a given test point is outside the normal range for the test point (i.e. is at the warning, critical, or shutdown stage). Since such a Notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Critical Temperature - Device Shutdown

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ciscoEnvMonTemperatureNotification	1.3.6.1.4.1.9.9.13.3.0.3	1.3.6.1.4.1.9.9.13.1.3.1.6	= 2	A ciscoEnvMonTemperatureNotification is sent if the temperature measured at a given test point is outside the normal range for the test point (i.e. is at the warning, critical, or shutdown stage). Since such a Notification is usually generated before the shutdown state is reached, it can convey more data and has a better chance of being sent than does the ciscoEnvMonShutdownNotification.	Temperature Rising
newRoot	1.3.6.1.2.1.17.0.1	N/A	N/A	The newRoot trap indicates that the sending agent has become the new root of the Spanning Tree; the trap is sent by a bridge soon after its election as the new root, e.g., upon expiration of the Topology Change Timer, immediately subsequent to its election. Implementation of this trap is optional.	new root trap
stpxInconsistencyUpdate	1.3.6.1.4.1.9.9.82.2.0.1	1.3.6.1.4.1.9.9.82.1.3.1.1.3	=1	A stpxPortInconsistencyUpdate notification is sent by a bridge when an instance of stpxInconsistentState is created or destroyed. That is, when an inconsistency is discovered in the VLAN's Spanning Tree for a particular port, or when such an inconsistency disappears. Note that the trap is not sent if the port transitions between different types of inconsistency. The stpxInconsistentState value indicates the type of inconsistency which now exists/no longer exists for the relevant VLAN on the relevant port.	stpx port inconsistency discovered

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
stpxInconsistencyUpdate	1.3.6.1.4.1.9.9.82.2.0.1	1.3.6.1.4.1.9.9.82.1.3.1.1.4	=2	A stpxPortInconsistencyUpdate notification is sent by a bridge when an instance of stpxInconsistentState is created or destroyed. That is, when an inconsistency is discovered in the VLAN's Spanning Tree for a particular port, or when such an inconsistency disappears. Note that the trap is not sent if the port transitions betweendifferent types of inconsistency. The stpxInconsistentState value indicates the type of inconsistency which now exists/no longer exists for the relevant VLAN on the relevant port.	stpx port inconsistency resolved
stpxLoopInconsistencyUpdate	1.3.6.1.4.1.9.9.82.2.0.3	1.3.6.1.4.1.9.9.82.1.8.2.1.3	= 1	A stpxLoopInconsistencyUpdate notification is sent by a bridge when an instance of stpxLoopInconsistencyState is created or destroyed. That is, when an loop-inconsistency is discovered in the VLAN's or instance's Spanning Tree for a particular port, or when such a loop-inconsistency disappears. For creation, the value of stpxLoopInconsistencyState in the notification is true(1); for deletion, the value is false(2). The object value of stpxSpanningTreeType indicates which Spanning Tree protocol is running when an instance of stpxLoopInconsistencyState is created or destroyed.	stpx loop inconsistency discovered

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
stpxLoopInconsistencyUpdate	1.3.6.1.4.1.9.9.82.2.0.3	1.3.6.1.4.1.9.9.82.1.8.2.1.3	= 2	A stpxLoopInconsistencyUpdate notification is sent by abridge when an instance of stpxLoopInconsistencyState is created or destroyed. That is, when an loop-inconsistency is discovered in the VLAN's or instance's Spanning Tree for a particular port, or when such a loop-inconsistency disappears. For creation, the value of stpxLoopInconsistencyState in the notification is true(1); for deletion, the value is false(2). The object value of stpxSpanningTreeType indicates which Spanning Tree protocol is running when an instance of stpxLoopInconsistencyState is created or destroyed.	stpx loop inconsistency resolved
stpxRootInconsistencyUpdate	1.3.6.1.4.1.9.9.82.2.0.2	1.3.6.1.4.1.9.9.82.1.5.2.1.3	= 1	A stpxRootInconsistencyUpdate notification is sent by a bridge when an instance of stpxRootInconsistencyState is created or destroyed. That is, when an root-inconsistency is discovered in the VLAN's or instance's Spanning Tree for a particular port, or when such an root-inconsistency disappears. For creation, the value of stpxRootInconsistencyState in the notification is true(1); for deletion, the value is false(2). The object value of stpxSpanningTreeType indicates which Spanning Tree protocol is running when an instance of stpxRootInconsistencyState is created or destroyed.	stpx root inconsistency discovered

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
stpxRootInconsistencyUpdate	1.3.6.1.4.1.9.9.82.2.0.2	1.3.6.1.4.1.9.9.82.1.5.2.1.3	= 2	A stpxRootInconsistencyUpdate notification is sent by a bridge when an instance of stpxRootInconsistencyState is created or destroyed. That is, when an root-inconsistency is discovered in the VLAN's or instance's Spanning Tree for a particular port, or when such an root-inconsistency disappears. For creation, the value of stpxRootInconsistencyState in the notification is true(1); for deletion, the value is false(2). The object value of stpxSpanningTreeType indicates which Spanning Tree protocol is running when an instance of stpxRootInconsistencyState is created or destroyed.	stpx root inconsistency resolved
vtpConfigRevNumberError	1.3.6.1.4.1.9.9.46.2.0.1	N/A	N/A	A configuration revision number error notification signifies that a device has incremented its vtpConfigRevNumberErrors counter. Generation of this notification is suppressed if the vtpNotificationsEnabled has the value 'false'. The device must throttle the generation of consecutive vtpConfigRevNumberError notifications so that there is at least a five-second gap between notification of this type. When notification are throttled, they are dropped, not queued for sending at a future time. (Note that 'generating' a notification means sending to all configured recipients.)	vtp configuration revision number error trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
vtpConfigDigestError	1.3.6.1.4.1.9.9.46.2.0.2	N/A	N/A	A configuration digest error notification signifies that a device has incremented its vtpConfigDigestErrors counter. Generation of this notification is suppressed if the vtpNotificationsEnabled has the value 'false'. The device must throttle the generation of consecutive vtpConfigDigestError notifications so that there is at least a five-second gap between notification of this type. When notification are throttled, they are dropped, not queued for sending at a future time. (Note that 'generating' a notification means sending to all configured recipients).	vtp configuration digest error trap
ciscoEnvMonShutdownNotification	1.3.6.1.4.1.9.9.13.3.0.1	N/A	N/A	A ciscoEnvMonShutdownNotification is sent if the environmental monitor detects a test point reaching a critical state and is about to initiate a shutdown. This notification contains no objects so that it may be encoded and sent in the shortest amount of time possible. Even so, management applications should not rely on receiving such a notification as it may not be sent before the shutdown completes.	cisco EnvMon Shutdown Notification Trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
caemTemperatureNotification	1.3.6.1.4.1.9.9.61.2.0.1	N/A	N/A	A caemTemperatureNotification is sent if the over temperature condition is detected in the managed system. This is a replacement for the ciscoEnvMonTemperatureNotification trap because the information 'ciscoEnvMonTemperatureStatusValue' required by the trap is not available in the managed system.	caem Temperature Notification Trap
caemVoltageNotification	1.3.6.1.4.1.9.9.61.2.0.2	N/A	N/A	A caemVoltageNotification is sent if the over voltage condition is detected and ciscoEnvMonVoltageState is not set to 'notPresent' in the managed system. This is a replacement for the ciscoEnvMonVoltageNotification trap because the information 'ciscoEnvMonVoltageStatusValue' required by the trap is not available in the managed system.	caem Voltage Notification Trap
cmnMacChangedNotification	1.3.6.1.4.1.9.9.215.2.0.1	N/A	N/A	This notification is generated when there is enough MAC address information to fully occupy a maximum size SNMP trap message. This notification is also generated when there is at least one MAC address changed or removed and the amount of time elapsed from the previous notification is greater than the maximum wait time denoted by cmnNotificationInterval object. If there are more MAC addresses information than can fit into one cmmHistTrapContent object, then multiple notifications will be generated.	cmn Mac Changed Notification Trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cmnMacMoveNotification	1.3.6.1.4.1.9.9.215.2.0.2	N/A	N/A	cmnMacMoveNotification is generated when a MAC address is moved between two interfaces.	cmn Mac Move Notification Trap
vtpVersionOneDeviceDetected	1.3.6.1.4.1.9.9.46.2.0.6	N/A	N/A	A VTP version one device detected notification is generated by a device when: a) a management domain has been put into version 2 mode (as accessed by managementDomainVersionInUse). b) 15 minutes has passed since a). c) a version 1 PDU is detected on a trunk on the device that is in that management domain which has a lower revision number than the current configuration.	vtp VersionOne Device Detected trap
vtpLocalModeChanged	1.3.6.1.4.1.9.9.46.2.0.8	N/A	N/A	A vtpLocalModeChanged notification is generated by a device when the value of the object managementDomainLocalMode is changed.	vtp Local Mode Changed trap
vtpVersionInUseChanged	1.3.6.1.4.1.9.9.46.2.0.9	N/A	N/A	A vtpVersionInUseChanged notification is generated by a device when the value of the object managementDomainVersionInUse is changed.	vtp VersionInUse Changed trap
vlanTrunkPortDynamicStatusChange	1.3.6.1.4.1.9.9.46.2.0.7	1.3.6.1.4.1.9.9.46.1.6.1.1.14	= 1	A vlanTrunkPortDynamicStatusChange notification is generated by a device when the value of vlanTrunkPortDynamicStatus object has been changed.	Vlan trunk port dynamic status changed to trunking
vlanTrunkPortDynamicStatusChange	1.3.6.1.4.1.9.9.46.2.0.7	1.3.6.1.4.1.9.9.46.1.6.1.1.14	2	A vlanTrunkPortDynamicStatusChange notification is generated by a device when the value of vlanTrunkPortDynamicStatus object has been changed.	Vlan trunk port dynamic status changed to not trunking

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cpsSecureMacAddrViolation	1.3.6.1.4.1.9.9.315.0.0.1	N/A	N/A	The address violation notification is generated when port security address violation is detected on a secure non-trunk, access interface (that carries a single vlan) and the cpsIfViolationAction is set to 'dropNotify'.	cps Secure MacAddr Violation Trap
cpsIfVlanSecureMacAddrViolation	1.3.6.1.4.1.9.9.315.0.0.3	N/A	N/A	The address violation notification is generated when port security address violation is detected on a multi-vlan interface and the cpsIfViolationAction is set to 'dropNotify'.	cps IfVlan Secure MacAddr Violation Trap
clcVlanMacLimitNotif	1.3.6.1.4.1.9.9.313.0.1	N/A	N/A	Notification is sent when the number of MAC addresses (the value of clcFdbVlanMacUsage) has crossed the configured limit of MAC addresses (clcVlanMaxMacLimit) either rising above or falling below it.	cisco L2 Control VlanMacLimit Notif Trap
clcVlanMacLimitHighNotif	1.3.6.1.4.1.9.9.313.0.2	N/A	N/A	Notification is sent when the number of MAC addresses (the value of clcFdbVlanMacUsage) has crossed the configured higher threshold limit of MAC addresses (clcVlanMacLimitHigh) either rising above or falling below it.	cisco L2 Control VlanMacLimit High Notif Trap
clcIfMacLimitLowNotif	1.3.6.1.4.1.9.9.313.0.3	N/A	N/A	Notification is sent when the number of MAC addresses (the value of clcFdbIfMacUsage) has crossed the configured lower threshold limit of MAC addresses (clcIfMacLimitLow) either rising above or falling below it.	cisco L2 Control IfMacLimit Low Notif Trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
clcIfMacLimitHighNotif	1.3.6.1.4.1.9.9.313.0.4	N/A	N/A	Notification is sent when the number of MAC addresses (the value of clcFdbIfMacUsage) has crossed the configured higher threshold limit of MAC addresses (clcIfMacLimitHigh) either rising above or falling below it.	cisco L2 Control IfMacLimit High Notif Trap
clcIfVlanMacLimitLowNotif	1.3.6.1.4.1.9.9.313.0.5	N/A	N/A	Notification is sent when the number of MAC addresses (the value of clcFdbIfVlanMacUsage) has crossed the configured lower threshold limit of MAC addresses (clcIfVlanMacLimitLow) either rising above or falling below it.	cisco L2 Control IfVlanMacLimit Low Notif Trap
clcIfVlanMacLimitHighNotif	1.3.6.1.4.1.9.9.313.0.6	N/A	N/A	Notification is sent when the number of MAC addresses (the value of clcFdbIfVlanMacUsage) has crossed the configured higher threshold limit of MAC addresses (clcIfVlanMacLimitHigh) either rising above or falling below it.	cisco L2 Control IfVlanMacLimit High Notif Trap
csbSourceAlertEvent	1.3.6.1.4.1.9.9.658.0.1	1.3.6.1.4.1.9.9.658.1.2	= 1	This notification is generated when after SIP/H.248 call establishment with one party, the media packets are received from some unexpected source/party (or some wrong/unexpected IP address). This is to alert that some unwanted data packets are received by the system from an undesirable IP/port.	Cisco SBC source alert off trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
csbSourceAlertEvent	1.3.6.1.4.1.9.9.658.0.1	1.3.6.1.4.1.9.9.658.1.2	!= (1 or 7)	This notification is generated when after SIP/H.248 call establishment with one party, the media packets are received from some unexpected source/party (or some wrong/unexpected IP address). This is to alert that some unwanted data packets are received by the system from an undesirable IP/port.	Cisco SBC source alert on trap
csbSourceAlertEvent	1.3.6.1.4.1.9.9.658.0.1	1.3.6.1.4.1.9.9.658.1.2	= 7	This notification is generated when after SIP/H.248 call establishment with one party, the media packets are received from some unexpected source/party (or some wrong/unexpected IP address). This is to alert that some unwanted data packets are received by the system from an undesirable IP/port.	Cisco SBC source alert informational trap
csbDynamicBlackListEvent	1.3.6.1.4.1.9.9.658.0.2	1.3.6.1.4.1.9.9.658.1.2	= 1	This notification is generated when a source is added to or removed from the blacklist table. Dynamic blacklists put in place automatically (subject to a set of configurable constraints) by the SBC when it detects an attempt to disrupt traffic flowing through it. Dynamic blacklisting does not require management interference. Blacklist table is restricted only to SBC service. This table is not made available to NM. For more Information on Dynamic Blacklisting refer to the following link: http://lbj.cisco.com/push_targets1/ucdit/cc/td/doc/product/iosoft/iox34/cgcr34/sbc_c34/sbc34dos.htm or Search cisco.com using keywords 'DoS Prevention and Dynamic Blacklisting'.	Cisco SBC dynamic blacklist trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
csbAdjacencyStatus	1.3.6.1.4.1.9.9.658.0.3	1.3.6.1.4.1.9.9.658.1.2	= 1	This notification is generated when an Adjacency is attached to (or detached from) the SBC.	Cisco SBC adjacency state up trap
csbAdjacencyStatus	1.3.6.1.4.1.9.9.658.0.3	1.3.6.1.4.1.9.9.658.1.2	!= (1 or 7)	This notification is generated when an Adjacency is attached to (or detached from) the SBC.	Cisco SBC adjacency state down trap
csbAdjacencyStatus	1.3.6.1.4.1.9.9.658.0.3	1.3.6.1.4.1.9.9.658.1.2	= 7	This notification is generated when an Adjacency is attached to (or detached from) the SBC.	Cisco SBC adjacency state informational trap
csbServiceStateEvent	1.3.6.1.4.1.9.9.658.0.4	1.3.6.1.4.1.9.9.658.1.28	= 1	This notification is generated when there is a change in the state of a service card. The changes in the service state are Active and Standby.	Cisco SBC service state up trap
csbServiceStateEvent	1.3.6.1.4.1.9.9.658.0.4	1.3.6.1.4.1.9.9.658.1.28	= 3	This notification is generated when there is a change in the state of a service card. The changes in the service state are Active and Standby.	Cisco SBC service state down trap
csbServiceStateEvent	1.3.6.1.4.1.9.9.658.0.4	1.3.6.1.4.1.9.9.658.1.28	= 2	This notification is generated when there is a change in the state of a service card.The changes in the service state are Active and Standby.	Cisco SBC service state informational trap
csbSystemCongestionAlarmEvent	1.3.6.1.4.1.9.9.658.0.5	1.3.6.1.4.1.9.9.658.1.2	= 1	This notification is generated when CPU/Memory congestion in SBC is raised or cleared.	Cisco SBC system congestion cleared trap
csbSystemCongestionAlarmEvent	1.3.6.1.4.1.9.9.658.0.5	1.3.6.1.4.1.9.9.658.1.2	!= (1 or 7)	This notification is generated when CPU/Memory congestion in SBC is raised or cleared.	Cisco SBC system congestion raised trap
csbSystemCongestionAlarmEvent	1.3.6.1.4.1.9.9.658.0.5	1.3.6.1.4.1.9.9.658.1.2	= 7	This notification is generated when CPU/Memory congestion in SBC is raised or cleared.	Cisco SBC system congestion informational trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
csbSLAViolationRev1	1.3.6.1.4.1.9.9.658.0.10	1.3.6.1.4.1.9.9.658.1.2	= 1	This notification is generated when there is a violation of Service Level Agreement as described in the policy tables. The typical service level agreements include maximum number of calls allowed, max call rate, max bandwidth etc. This notification replaces the csbSLAViolation notification.	Cisco SBC SLA violation off trap
csbSLAViolationRev1	1.3.6.1.4.1.9.9.658.0.10	1.3.6.1.4.1.9.9.658.1.2	!= (1 or 7)	This notification is generated when there is a violation of Service Level Agreement as described in the policy tables. The typical service level agreements include maximum number of calls allowed, max call rate, max bandwidth etc. This notification replaces the csbSLAViolation notification.	Cisco SBC SLA violation on trap
csbSLAViolationRev1	1.3.6.1.4.1.9.9.658.0.10	1.3.6.1.4.1.9.9.658.1.2	= 7	This notification is generated when there is a violation of Service Level Agreement as described in the policy tables. The typical service level agreements include maximum number of calls allowed, max call rate, max bandwidth etc. This notification replaces the csbSLAViolation notification.	Cisco SBC SLA violation informational trap
csbRadiusConnectionStatus	1.3.6.1.4.1.9.9.658.0.7	1.3.6.1.4.1.9.9.658.1.2	= 1	This notification is generated when the connection to the radius server changes (connected or disconnected).	Cisco SBC radius connection state up trap
csbRadiusConnectionStatus	1.3.6.1.4.1.9.9.658.0.7	1.3.6.1.4.1.9.9.658.1.2	!= (1 or 7)	This notification is generated when the connection to the radius server changes (connected or disconnected).	Cisco SBC radius connection state down trap
csbRadiusConnectionStatus	1.3.6.1.4.1.9.9.658.0.7	1.3.6.1.4.1.9.9.658.1.2	= 7	This notification is generated when the connection to the radius server changes (connected or disconnected).	Cisco SBC radius connection state informational trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
csbH248ControllerStatus	1.3.6.1.4.1.9.9.658.0.9	1.3.6.1.4.1.9.9.658.1.2	= 1	This notification is generated when in distributed deployment model, a DBE is attached or detached from the SBC.	Cisco SBC H248 controller state up trap
csbH248ControllerStatus	1.3.6.1.4.1.9.9.658.0.9	1.3.6.1.4.1.9.9.658.1.2	!= (1 or 7)	This notification is generated when in distributed deployment model, a DBE is attached or detached from the SBC.	Cisco SBC H248 controller state down trap
csbH248ControllerStatus	1.3.6.1.4.1.9.9.658.0.9	1.3.6.1.4.1.9.9.658.1.2	= 7	This notification is generated when in distributed deployment model, a DBE is attached or detached from the SBC.	Cisco SBC H248 controller state informational trap
rttMonConnectionChangeNotification	1.3.6.1.4.1.9.9.42.2.0.1	N/A	N/A	This notification is only valid when the RttMonRttType is 'echo' or 'pathEcho'.A rttMonConnectionChangeNotification indicates that a connection to a target (not to a hop along the path to a target) has failed on establishment or been lost and when reestablished. Precisely, this has resulted in rttMonCtrlOperConnectionLostOccurred changing value.	RTT Connection Change
rttMonTimeoutNotification	1.3.6.1.4.1.9.9.42.2.0.2	N/A	N/A	A rttMonTimeoutNotification indicates the occurrence of a timeout for a RTT operation, and it indicates the clearing of such a condition by a subsequent RTT operation. Precisely, this has resulted in rttMonCtrlOperTimeoutOccurred changing value. When the RttMonRttType is 'pathEcho', this notification will only be sent when the timeout occurs during an operation to the target and not to a hop along the path to the target. This also applies to the clearing of the timeout.	RTT Operation Timeout

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonThresholdNotification	1.3.6.1.4.1.9.9.42.2.0.3	N/A	N/A	A rttMonThresholdNotification indicates the occurrence of a threshold violation for a RTT operation, and it indicates the previous violation has subsided for a subsequent RTT operation. Precisely, this has resulted in rttMonCtrlOperOverThresholdOccurred changing value. When the RttMonRttType is 'pathEcho', this notification will only be sent when the threshold violation occurs during an operation to the target and not to a hop along the path to the target. This also applies to the subsiding of a threshold condition.	RTT Operation Threshold Violation
rttMonVerifyErrorNotification	1.3.6.1.4.1.9.9.42.2.0.4	N/A	N/A	A rttMonVerifyErrorNotification indicates the occurrence of a data corruption in an RTT operation.	RTT Verify Error
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	N/A	N/A	A rttMonNotification indicates the occurrence of a threshold violation, and it indicates the previous violation has subsided for a subsequent operation.	RTT threshold violation or clearance
rttMonLpdDiscoveryNotification	1.3.6.1.4.1.9.9.42.2.0.6	N/A	N/A	A rttMonLpdDiscoveryNotification indicates that the LSP Path Discovery to the target PE has failed, and it also indicates the clearing of such condition. Precisely this has resulted in rttMonLpdGrpStatsLPDFailOccurred changing value. When the rttMonLpdGrpStatsLPDFailOccurred is 'false', the instance value for rttMonLpdGrpStatsLPDFailCause is not valid.	RTT Lpd Discovery

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonLpdGrpStatus Notification	1.3.6.1.4.1.9.9.42.2.0.7	N/A	N/A	A rttMonLpdGrpStatusNotification indicates that the LPD Group status rttMonLpdGrpStatsGroupStatus has changed indicating some connectivity change to the target PE. This has resulted in rttMonLpdGrpStatsGroupStatus changing value.	RTT Lpd Grp Status
imaFailureAlarm	1.3.6.1.4.1.353.5.7.1.2.0.1	1.3.6.1.4.1.353.5.7.1.1.6	10,12,15	ima-Group-FailureAlarm v2	IMA Group Remote Failure
imaFailureAlarm	1.3.6.1.4.1.353.5.7.1.2.0.1	1.3.6.1.4.1.353.5.7.1.1.6	14	ima-Group-FailureAlarm v2	IMA Group Remote insufficient links trap
imaFailureAlarm	1.3.6.1.4.1.353.5.7.1.2.0.1	1.3.6.1.4.1.353.5.7.1.1.5	1	ima-Group-ClearingAlarm v2	IMA Group Up Trap
imaFailureAlarm	1.3.6.1.4.1.353.5.7.1.2.0.1	1.3.6.1.4.1.353.5.7.1.1.6	11,16	ima-Group-FailureAlarm v2	IMA Group local Failure
imaFailureAlarm	1.3.6.1.4.1.353.5.7.1.2.0.1	1.3.6.1.4.1.353.5.7.1.1.6	13	ima-Group-FailureAlarm v2	IMA Group local insufficient links trap
imaFailureAlarm	1.3.6.1.4.1.353.5.7.1.2.0.1	1.3.6.1.4.1.353.5.7.1.1.6	2	ima Link FailureAlarm v2	Ima Link Loss of delay Frame Trap
imaFailureAlarm	1.3.6.1.4.1.353.5.7.1.2.0.1	1.3.6.1.4.1.353.5.7.1.1.6	1	ima Link FailureAlarm v2	Ima Link Loss of ima Frame Trap
imaFailureAlarm	1.3.6.1.4.1.353.5.7.1.2.0.1	1.3.6.1.4.1.353.5.7.1.1.6	5,7,9	ima Link FailureAlarm v2	Ima Link Rcv Failure Trap
imaFailureAlarm	1.3.6.1.4.1.353.5.7.1.2.0.1	1.3.6.1.4.1.353.5.7.1.1.6	3	ima Link FailureAlarm v2	Ima Link Remote Failure Trap
imaFailureAlarm	1.3.6.1.4.1.353.5.7.1.2.0.1	1.3.6.1.4.1.353.5.7.1.1.5	1	ima-Link-ClearingAlarm v2	Ima Link Up Trap
imaFailureAlarm	1.3.6.1.4.1.353.5.7.1.2.0.1	1.3.6.1.4.1.353.5.7.1.1.6	4,6,8	ima Link FailureAlarm v2	Ima Link Xmt Failure Trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
Cisco-UMT-state-change-v2	1.3.6.1.4.1.9.9.483.0.2	N/A	N/A	The state of the connection between the UMTS interfaces.	Cisco UMT state Change trap
Cisco-GSM-state-change-trap-v2	1.3.6.1.4.1.9.9.483.0.1	N/A	N/A	The state of the connection between the GSM interfaces.	Cisco GSM state Change trap
Cisco-IPRAN-Backhaul-received-util-v2	1.3.6.1.4.1.9.9.483.0.3	1.3.6.1.4.1.9.9.483.1.2.2.1.1.1.3	1	When Rcvd. util changes froto any of the status : acceptable, warning, overloaded.	IPRAN Backhaul Received Util Acceptable Trap
Cisco-IPRAN-Backhaul-received-util-v2	1.3.6.1.4.1.9.9.483.0.3	1.3.6.1.4.1.9.9.483.1.2.2.1.1.1.3	2	When Rcvd. util changes froto any of the status : acceptable, warning, overloaded.	IPRAN Backhaul Received Util Warning Trap
Cisco-IPRAN-Backhaul-received-util-v2	1.3.6.1.4.1.9.9.483.0.3	1.3.6.1.4.1.9.9.483.1.2.2.1.1.1.3	3	When Rcvd. util changes froto any of the status : acceptable, warning, overloaded.	IPRAN Backhaul Received Util Overloaded Trap
Cisco-IPRAN-Backhaul-sent-util-v2	1.3.6.1.4.1.9.9.483.0.4	1.3.6.1.4.1.9.9.483.1.2.2.1.1.1.4	1	When sent util changes froto any of the status : acceptable, warning, overloaded.	IPRAN Backhaul Sent Util Acceptable Trap
Cisco-IPRAN-Backhaul-sent-util-v2	1.3.6.1.4.1.9.9.483.0.4	1.3.6.1.4.1.9.9.483.1.2.2.1.1.1.4	2	When sent util changes froto any of the status : acceptable, warning, overloaded.	IPRAN Backhaul Sent Util Overloaded Trap
Cisco-IPRAN-Backhaul-sent-util-v2	1.3.6.1.4.1.9.9.483.0.4	1.3.6.1.4.1.9.9.483.1.2.2.1.1.1.4	3	When sent util changes froto any of the status : acceptable, warning, overloaded.	IPRAN Backhaul Sent Util Warning Trap
rttMonConnectionChangeNotification	1.3.6.1.4.1.9.9.42.2.0.1	1.3.6.1.4.1.9.9.42.1.2.9.1.5	1	IPSLA echo ConnLoss Trap v2	Connection Loss detected by ipsla icmp echo trap
rttMonConnectionChangeNotification	1.3.6.1.4.1.9.9.42.2.0.1	1.3.6.1.4.1.9.9.42.1.2.9.1.5	2	IPSLA echo ConnLoss Trap v2	Connection re-establish detected by ipsla icmp echo trap
rttMonTimeoutNotification	1.3.6.1.4.1.9.9.42.2.0.2	1.3.6.1.4.1.9.9.42.1.2.9.1.6	1	IPSLA IP or LSP echo Timeout trap v2	Timeout detected by ipsla icmp echo trap
rttMonTimeoutNotification	1.3.6.1.4.1.9.9.42.2.0.2	1.3.6.1.4.1.9.9.42.1.2.9.1.6	2	IPSLA IP or LSP echo Timeout trap v2	Connection re-establish detected by ipsla icmp echo trap
rttMonThresholdNotification	1.3.6.1.4.1.9.9.42.2.0.3	1.3.6.1.4.1.9.9.42.1.2.9.1.7	1	IPSLA Threshold Notification trap v2	Threshold crossing under trap
rttMonThresholdNotification	1.3.6.1.4.1.9.9.42.2.0.3	1.3.6.1.4.1.9.9.42.1.2.9.1.7	2	IPSLA Threshold Notification trap v2	Threshold crossing over trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonVerifyErrorNotification	1.3.6.1.4.1.9.9.42.2.0.4	1.3.6.1.4.1.9.9.42.1.2.9.1.11	1	IPSLA Threshold Notification deprecated trap v2	Data corruption in rtt operation trap
rttMonVerifyErrorNotification	1.3.6.1.4.1.9.9.42.2.0.4	1.3.6.1.4.1.9.9.42.1.2.9.1.11	2	IPSLA Threshold Notification deprecated trap v2	Data corruption cleared in rtt operation trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, null, 1	RTT MON notification	Connection Loss detected by ipsla icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, not null, 1	RTT MON notification	Connection Loss detected by ipsla LSP icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, null, 2	RTT MON notification	Connection re-establish detected by ipsla icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, not null, 2	RTT MON notification	Connection re-establish detected by ipsla LSP icmp echo trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, null, 1	RTT MON notification	Timeout detected by ipsla icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, not null, 1	RTT MON notification	Timeout detected by ipsla LSP icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, null, 2	RTT MON notification	Connection re-establish detected by ipsla icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, not null, 2	RTT MON notification	Connection re-establish detected by ipsla LSP icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	1, 1	RTT MON notification	RTT threshold crossing over trap

Table 11-3 Cisco IOS V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	1, 2	RTT MON notification	RTT threshold crossing under trap
rttMonLpdDiscoveryNotification	1.3.6.1.4.1.9.9.42.2.0.6	1.3.6.1.4.1.9.9.42.1.3.7.1.13	1	IPSLA LPD Discovery trap v2	IPSLA LSP path discovery failure trap
rttMonLpdDiscoveryNotification	1.3.6.1.4.1.9.9.42.2.0.6	1.3.6.1.4.1.9.9.42.1.3.7.1.13	2	IPSLA LPD Discovery trap v2	IPSLA LSP path rediscovery trap
rttMonLpdGrpStatusNotification	1.3.6.1.4.1.9.9.42.2.0.7	1.3.6.1.4.1.9.9.42.1.3.7.1.16	3,4	IPSLA LDP Group Status trap v2	IPSLA LDP group status failure trap
rttMonLpdGrpStatusNotification	1.3.6.1.4.1.9.9.42.2.0.7	1.3.6.1.4.1.9.9.42.1.3.7.1.16	2	IPSLA LDP Group Status trap v2	IPSLA LDP group status restoration trap
cmplsFrrProtected	1.3.6.1.4.1.9.10.98.0.1	N/A	N/A	TE FRR trigger notification - protected trap v2	FRR Protected Trap
cmplsFrrUnProtected	1.3.6.1.4.1.9.10.98.0.2	N/A	N/A	TE FRR trigger notification - unprotected trap v2	FRR Unprotected Trap
cpwVcUp	1.3.6.1.4.1.9.10.106.2.2	N/A	N/A	This notification is generated when the cpwVcOperStatus object for one or more contiguous entries in cpwVcTable are about to enter the up(1) state from some other state.	Pseudo wire tunnel up
cpwVcDown	1.3.6.1.4.1.9.10.106.2.1	N/A	N/A	This notification is generated when the cpwVcOperStatus object for one or more contiguous entries in cpwVcTable are about to enter the down(2) state from some other state.	Pseudo wire tunnel down

Cisco IOX V1 Traps

Table 11-4 lists the Cisco IOX SNMP V1 traps supported in Cisco ANA. For associated event types, event subtypes, and Cisco ANA registry parameters, use the link under Short Description or see Table 11-11.

Table 11-4 Cisco IOX V1 Traps

Trap Name	Generic Type	Specific Type	Enterprise OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cpwVcUp	6	2	1.3.6.1.4.1.9.10.106.2	N/A	N/A	This notification is generated when the cpwVcOperStatus object for one or more contiguous entries in cpwVcTable are about to enter the up(1) state from some other state.	Pseudo wire tunnel up
cpwVcDown	6	1	1.3.6.1.4.1.9.10.106.2	N/A	N/A	This notification is generated when the cpwVcOperStatus object for one or more contiguous entries in cpwVcTable are about to enter the up(1) state from some other state.	Pseudo wire tunnel down
MIB2 V1 link down	2	0	1.3.6.1.6.3.1.1.5	N/A	N/A	A linkDown trap signifies that the sending protocol entity recognizes a failure in one of the communication links represented in the agent's configuration. The Trap-PDU of type linkDown contains as the first element of its variable-bindings, the name and value of the ifIndex instance for the affected interface.	SNMP Link down

Table 11-4 Cisco IOX V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
MIB2 V1 link up	3	0	1.3.6.1.6.3.1.1.5	N/A	N/A	A linkUp trap signifies that the sending protocol entity recognizes that one of the communication links represented in the agent's configuration has come up. The Trap-PDU of type linkUp contains as the first element of its variable-bindings, the name and value of the ifIndex instance for the affected interface.	SNMP Link up
rttMonConnectionChangeNotification	6	1	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.9.1.5	1	IPSLA echo ConnLoss Trap v2	Connection Loss detected by ipsla icmp echo trap
rttMonConnectionChangeNotification	6	1	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.9.1.5	2	IPSLA echo ConnLoss Trap v2	Connection re-establish detected by ipsla icmp echo trap
rttMonTimeoutNotification	6	2	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.9.1.6	1	IPSLA IP or LSP echo Timeout trap v2	Timeout detected by ipsla icmp echo trap
rttMonTimeoutNotification	6	2	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.9.1.6	2	IPSLA IP or LSP echo Timeout trap v2	Connection re-establish detected by ipsla icmp echo trap
rttMonThresholdNotification	6	3	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.9.1.7	1	IPSLA Threshold Notification trap v2	Threshold crossing under trap
rttMonThresholdNotification	6	3	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.9.1.7	2	IPSLA Threshold Notification trap v2	Threshold crossing over trap
rttMonVerifyErrorNotification	6	4	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.9.1.11	1	IPSLA Threshold Notification deprecated trap v2	Data corruption in rtt operation trap

Table 11-4 Cisco IOX V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonVerifyError Notification	6	4	1.3.6.1.4. 1.9.9.42.2	1.3.6.1.4.1 .9.9.42.1.2 .9.1.11	2	IPSLA Threshold Notification deprecated trap v2	Data corruption cleared in rtt operation trap
rttMonNotification	6	5	1.3.6.1.4. 1.9.9.42.2	1.3.6.1.4.1 .9.9.42.1.2 .19.1.2, 1.3.6.1.4.1 .9.9.42.1.2 .2.1.33, 1.3.6.1.4.1 .9.9.42.1.2 .19.1.10	8, null, 1	RTT MON notification	Connection Loss detected by ipsla icmp echo trap
rttMonNotification	6	5	1.3.6.1.4. 1.9.9.42.2	1.3.6.1.4.1 .9.9.42.1.2 .19.1.2, 1.3.6.1.4.1 .9.9.42.1.2 .2.1.33, 1.3.6.1.4.1 .9.9.42.1.2 .19.1.10	8, not null, 1	RTT MON notification	Connection Loss detected by ipsla LSP icmp echo trap
rttMonNotification	6	5	1.3.6.1.4. 1.9.9.42.2	1.3.6.1.4.1 .9.9.42.1.2 .19.1.2, 1.3.6.1.4.1 .9.9.42.1.2 .2.1.33, 1.3.6.1.4.1 .9.9.42.1.2 .19.1.10	8, null, 2	RTT MON notification	Connection re-establish detected by ipsla icmp echo trap
rttMonNotification	6	5	1.3.6.1.4. 1.9.9.42.2	1.3.6.1.4.1 .9.9.42.1.2 .19.1.2, 1.3.6.1.4.1 .9.9.42.1.2 .2.1.33, 1.3.6.1.4.1 .9.9.42.1.2 .19.1.10	8, not null, 2	RTT MON notification	Connection re-establish detected by ipsla LSP icmp echo trap

Table 11-4 Cisco IOX V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, null, 1	RTT MON notification	Timeout detected by ipsla icmp echo trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, not null, 1	RTT MON notification	Timeout detected by ipsla LSP icmp echo trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, null, 2	RTT MON notification	Connection re-establish detected by ipsla icmp echo trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, not null, 2	RTT MON notification	Connection re-establish detected by ipsla LSP icmp echo trap
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	1, 1	RTT MON notification	RTT threshold crossing over trap

Table 11-4 Cisco IOX V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonNotification	6	5	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	1, 2	RTT MON notification	RTT threshold crossing under trap
rttMonLpdDiscoveryNotification	6	6	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.3.7.1.13	1	IPSLA LPD Discovery trap v2	IPSLA LSP path discovery failure trap
rttMonLpdDiscoveryNotification	6	6	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.3.7.1.13	2	IPSLA LPD Discovery trap v2	IPSLA LSP path rediscovery trap
rttMonLpdGrpStatusNotification	6	7	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.3.7.1.16	3,4	IPSLA LDP Group Status trap v2	IPSLA LDP group status failure trap
rttMonLpdGrpStatusNotification	6	7	1.3.6.1.4.1.9.9.42.2	1.3.6.1.4.1.9.9.42.1.3.7.1.16	2	IPSLA LDP Group Status trap v2	IPSLA LDP group status restoration trap
cmplsFrrProtected	6	1	1.3.6.1.4.1.9.10.98	N/A	N/A	TE FRR trigger notification v1	FRR Protected Trap
cmplsFrrUnProtected	6	2	1.3.6.1.4.1.9.10.98	N/A	N/A	TE FRR trigger notification v1	FRR Unprotected Trap
cpwVcUp	6	2	1.3.6.1.4.1.9.10.106.2	N/A	N/A	This notification is generated when the cpwVcOperStatus object for one or more contiguous entries in cpwVcTable are about to enter the up(1) state from some other state.	Pseudo wire tunnel up
cpwVcDown	6	1	1.3.6.1.4.1.9.10.106.2	N/A	N/A	This notification is generated when the cpwVcOperStatus object for one or more contiguous entries in cpwVcTable are about to enter the up(1) state from some other state.	Pseudo wire tunnel down
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Far end LOF

Table 11-4 Cisco IOX V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end sending LOF Indication
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Far end sending AIS
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end sending AIS
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end LOF
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end Loss of Signal
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end is looped
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 E1 TS16 AIS
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Far End Sending TS16 LOMF
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near End Sending TS16 LOMF
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near End detects a test code
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 any line status not defined here
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near End in Unavailable Signal State
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Carrier Equipment Out of Service

Table 11-4 Cisco IOX V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 DS2 Payload AIS
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 DS2 Performance Threshold Exceeded
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 combination of bitmaps due to multiple failures
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 No alarm present
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 Receiving Yellow/Remote Alarm Indication
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 Transmitting Yellow/Remote Alarm Indication
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 Receiving AIS failure state
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 Transmitting AIS
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 Receiving LOF failure state
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 Receiving LOS failure state
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 Looping the received signal

Table 11-4 Cisco IOX V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 Receiving a Test Pattern
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 any line status not defined here
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 Near End in Unavailable Signal State
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 Carrier Equipment Out of Service
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 combination of bitmaps due to multiple failures
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	N/A	N/A	Indicates the line status of dsx1 interface	DSX3 No alarm present
entConfigChange	6	1	1.3.6.1.2.1.47.2	N/A	N/A	An entConfigChange notification is generated when the value of entLastChangeTime changes. It can be utilized by an NMS to trigger logical/physical entity table maintenance polls.	Entity table configuration changed
Frame-Relay dlci status change trap v1	6	1	1.3.6.1.2.1.10.32	N/A	N/A	This trap indicates that the indicated Virtual Circuit has changed state. It has either been created or invalidated, or has toggled between the active and inactive states.	FR DLCI status invalid trap

Table 11-4 Cisco IOX V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
Frame-Relay dlci status change trap v1	6	1	1.3.6.1.2.1.10.32	N/A	N/A	This trap indicates that the indicated Virtual Circuit has changed state. It has either been created or invalidated, or has toggled between the active and inactive states.	FR DLCI status inactive trap
Frame-Relay dlci status change trap v1	6	1	1.3.6.1.2.1.10.32	N/A	N/A	This trap indicates that the indicated Virtual Circuit has changed state. It has either been created or invalidated, or has toggled between the active and inactive states.	FR DLCI status active trap

Cisco IOX V2 Traps

Table 11-5 lists the Cisco IOX SNMP V2 traps supported in Cisco ANA. For associated event types, event subtypes, and Cisco ANA registry parameters, use the link under Short Description or see Table 11-12.

Table 11-5 Cisco IOX V2 Traps

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cbfDefineFileCompletion	1.3.6.1.4.1.9.9.81.2.0.1	N/A	N/A	A cbfDefineFileCompletion notification is sent on the following conditions :	CBF File operation state indicator
cbgpBackwardTransition	1.3.6.1.4.1.9.9.187.0.2	1.3.6.1.4.1.9.9.187.0.2	!= (1or 6)	The cbgpBackwardTransition Event is generated when the BGP FSM moves from a higher numbered state to a lower numbered state. The bgpPeerRemoteAddr value is attached to the notification object ID.	Cisco BGP backward transition trap
cbgpFsmStateChange	1.3.6.1.4.1.9.9.187.0.1	1.3.6.1.4.1.9.9.187.0.2	= 1	The BGP cbgpFsmStateChange notification is generated for every BGP FSM state change.	Cisco BGP down trap
cbgpFsmStateChange	1.3.6.1.4.1.9.9.187.0.1	1.3.6.1.4.1.9.9.187.0.2	= 6	The BGP cbgpFsmStateChange notification is generated for every BGP FSM state change.	Cisco BGP established trap

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cbgpPrefixThresholdExceeded	1.3.6.1.4.1.9.9.187.0.3	N/A	N/A	The cbgpPrfefixMaxThresholdExceeded notification is generated when prefix count exceeds the configured warning threshold on a session for an address family	Cisco BGP prefix threshold exceeded
cbgpPrefixThresholdClear	1.3.6.1.4.1.9.9.187.0.4	N/A	N/A	The cbgpPrefixThresholdClear notification is generated when prefix count drops below the configured clear threshold on a session for an address family once cbgpPrefixThresholdExceeded is generated. This won't be generated if the peer session goes down after the generation of bgpPrefixThresholdExceeded. The bgpPeerRemoteAddr, bgpPeerAddrFamilyAfi and cbgpPeerAddrFamilySafi values are attached to the notification object ID.	Cisco BGP prefix threshold clear
ccCopyCompletion	1.3.6.1.4.1.9.9.96.2.1.1	N/A	N/A	A ccCopyCompletion trap is sent at the completion of a config-copy request. The ccCopyFailCause is not instantiated, and hence not included in a trap, when the ccCopyState is success	Config-copy request completion
cefcFanTrayStatusChange	1.3.6.1.4.1.9.9.117.2.0.6	1.3.6.1.4.1.9.9.117.1.4.1.1.1	!=2	This notification is generated when the value of cefcFanTrayOperStatus changes.	cefc fan-tray oper status down
cefcFanTrayStatusChange	1.3.6.1.4.1.9.9.117.2.0.6	1.3.6.1.4.1.9.9.117.1.4.1.1.1	=2	This notification is generated when the value of cefcFanTrayOperStatus changes.	cefc fan-tray oper status up
cefcFRUInserted	1.3.6.1.4.1.9.9.117.2.0.3	N/A	N/A	The cecfFRUInserted notification indicates that a FRU was inserted. The varbind for this notification indicates the entPhysicalIndex of the inserted FRU, and the entPhysicalIndex of the FRU's container.	cefc FRU inserted
cefcFRURemoved	1.3.6.1.4.1.9.9.117.2.0.4	N/A	N/A	The cefcFRURemoved notification indicates that a FRU was removed. The varbind for this notification indicates the entPhysicalIndex of the removed FRU, and the entPhysicalIndex of the FRU's container.	cefc FRU removed

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cefcModuleStatusChange	1.3.6.1.4.1.9.9.117.2.0.1	1.3.6.1.4.1.9.9.117.1.2.1.1.2	!=2	This notification is generated when the value of cefcModuleOperStatus changes. It can be utilized by an NMS to update the status of the module it is managing.	cefc module oper status down
cefcModuleStatusChange	1.3.6.1.4.1.9.9.117.2.0.1	1.3.6.1.4.1.9.9.117.1.2.1.1.2	=2	This notification is generated when the value of cefcModuleOperStatus changes. It can be utilized by an NMS to update the status of the module it is managing.	cefc module oper status up
cefcPowerStatusChange	1.3.6.1.4.1.9.9.117.2.0.2	1.3.6.1.4.1.9.9.117.1.1.2.1.2	!=2	The cefcFRUPowerStatusChange notification indicates that the power status of a FRU has changed. The varbind for this notification indicates the entPhysicalIndex of the FRU, and the new operational-status of the FRU.	cefc power status down
cefcPowerStatusChange	1.3.6.1.4.1.9.9.117.2.0.2	1.3.6.1.4.1.9.9.117.1.1.2.1.2	=2	The cefcFRUPowerStatusChange notification indicates that the power status of a FRU has changed. The varbind for this notification indicates the entPhysicalIndex of the FRU, and the new operational-status of the FRU.	cefc power status up
cfhBundleDownedLinkNotification	1.3.6.1.4.1.9.9.257.0.3	1.3.6.1.4.1.9.9.257.1.2.1.1.3	!=1	Fabric bundle link notification. This notification is sent if the value of cfhBundleOperStatus is 'up' and the value of cfhBundleDownedLinks is changed from 0 to nonzero or from non-zero to zero.	cfh bundle link status down
cfhBundleDownedLinkNotification	1.3.6.1.4.1.9.9.257.0.3	1.3.6.1.4.1.9.9.257.1.2.1.1.3	=1	Fabric bundle link notification. This notification is sent if the value of cfhBundleOperStatus is 'up' and the value of cfhBundleDownedLinks is changed from 0 to nonzero or from non-zero to zero.	cfh bundle link status up
cfhBundleStateNotification	1.3.6.1.4.1.9.9.257.0.2	N/A	N/A	Fabric bundle operational state change notification. This notification is sent when the cfhBundleOperStatus state transition occurs.	cfh Fabric bundle operational state changed to Down
cfhBundleStateNotification	1.3.6.1.4.1.9.9.257.0.2	N/A	N/A	Fabric bundle operational state change notification. This notification is sent when the cfhBundleOperStatus state transition occurs.	cfh Fabric bundle operational state changed to Up

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
cfhPlaneStateNotification	1.3.6.1.4.1.9.9.257.0.1	1.3.6.1.4.1.9.9.257.1.2.1.1.3	!=1	Fabric plane operational state change notification. This notification is sent when the fabric plane operational state transition occurs.	cfh Fabric plane status down
cfhPlaneStateNotification	1.3.6.1.4.1.9.9.257.0.1	1.3.6.1.4.1.9.9.257.1.2.1.1.3	=1	Fabric plane operational state change notification. This notification is sent when the fabric plane operational state transition occurs.	cfh Fabric plane status up
ciscoConfigManEvent	1.3.6.1.4.1.9.9.43.2.0.1	N/A	N/A	Notification of a configuration management event as recorded in ccmHistoryEventTable.	Cisco Configuration management event notification
ciscoFlashCopyCompletionTrap	1.3.6.1.4.1.9.9.10.1.3.0.1	1.3.6.1.4.1.9.9.10.1.2.1.1.8	!= (0 or 1 or 2)	A ciscoFlashCopyCompletionTrap is sent at the completion of a flash copy operation if such a trap was requested when the operation was initiated.	Cisco flash copy failed
ciscoFlashCopyCompletionTrap	1.3.6.1.4.1.9.9.10.1.3.0.1	1.3.6.1.4.1.9.9.10.1.2.1.1.8	=2	A ciscoFlashCopyCompletionTrap is sent at the completion of a flash copy operation if such a trap was requested when the operation was initiated.	Cisco flash copy completion
ciscoFlashCopyCompletionTrap	1.3.6.1.4.1.9.9.10.1.3.0.1	1.3.6.1.4.1.9.9.10.1.2.1.1.8	= (0 or 1)	A ciscoFlashCopyCompletionTrap is sent at the completion of a flash copy operation if such a trap was requested when the operation was initiated.	Cisco flash copy in progress
ciscoFlashDeviceChangeTrap	1.3.6.1.4.1.9.9.10.1.3.0.4	N/A	N/A	A ciscoFlashDeviceChangeTrap is sent whenever a removable Flash device is inserted or removed.	Cisco Flash device changed
ciscoFlashDeviceInsertedNotif	1.3.6.1.4.1.9.9.10.1.3.0.5	N/A	N/A	A ciscoFlashDeviceInsertedNotif notification is sent whenever a removable Flash device is inserted.	Cisco Flash device inserted
ciscoFlashDeviceRemovedNotif	1.3.6.1.4.1.9.9.10.1.3.0.6	N/A	N/A	A ciscoFlashDeviceRemovedNotif notification is sent whenever a removable Flash device is removed.	Cisco Flash device removed
ciscoFlashMiscOpCompletionTrap	1.3.6.1.4.1.9.9.10.1.3.0.3	1.3.6.1.4.1.9.9.10.1.2.3.1.4	!= (1 or 2)	A ciscoFlashMiscOpCompletionTrap is sent at the completion of a miscellaneous flash operation (enumerated in ciscoFlashMiscOpCommand) if such a trap was requested when the operation was initiated.	Cisco Flash miscellaneous operation failed

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ciscoFlashMiscOpCompletionTrap	1.3.6.1.4.1.9.9.10.1.3.0.3	1.3.6.1.4.1.9.9.10.1.2.3.1.4	=2	A ciscoFlashMiscOpCompletionTrap is sent at the completion of a miscellaneous flash operation (enumerated in ciscoFlashMiscOpCommand) if such a trap was requested when the operation was initiated.	Cisco Flash miscellaneous operation completed
ciscoFlashMiscOpCompletionTrap	1.3.6.1.4.1.9.9.10.1.3.0.3	1.3.6.1.4.1.9.9.10.1.2.3.1.4	=1	A ciscoFlashMiscOpCompletionTrap is sent at the completion of a miscellaneous flash operation (enumerated in ciscoFlashMiscOpCommand) if such a trap was requested when the operation was initiated.	Cisco Flash miscellaneous operation in progress
ciscoPingCompletion	1.3.6.1.4.1.9.9.16.2.0.1	N/A	N/A	A ciscoPingCompleted trap is sent at the completion of a sequence of pings if such a trap was requested when the sequence was initiated.	Cisco ping completion
ciscoSonetSectionStatusChange	1.3.6.1.4.1.9.9.126.0.1	1.3.6.1.2.1.10.39.1.2.1.1.1	!=1	This notification is generated whenever the value of sonetSectionCurrentStatus changes to value more than 1.	Cisco Sonet section status changed to error
ciscoSonetSectionStatusChange	1.3.6.1.4.1.9.9.126.0.1	1.3.6.1.2.1.10.39.1.2.1.1.1	=1	This notification is generated whenever the value of sonetSectionCurrentStatus changes to value 1.	Cisco Sonet section status changed to clear
ciscoSonetLineStatusChange	1.3.6.1.4.1.9.9.126.0.2	1.3.6.1.2.1.10.39.1.3.1.1.1	!=1	This notification is generated whenever the value of sonetLineCurrentStatus changes to value more than 1.	Cisco Sonet line status changed to error
ciscoSonetLineStatusChange	1.3.6.1.4.1.9.9.126.0.2	1.3.6.1.2.1.10.39.1.3.1.1.1	=1	This notification is generated whenever the value of sonetLineCurrentStatus changes to value 1.	Cisco Sonet line status changed to clear
ciscoSonetPathStatusChange	1.3.6.1.4.1.9.9.126.0.3	1.3.6.1.2.1.10.39.2.1.1.1.2	!=1	This notification is generated whenever the value of sonetPathCurrentStatus changes to value more than 1.	Cisco Sonet path status changed to error
ciscoSonetPathStatusChange	1.3.6.1.4.1.9.9.126.0.3	1.3.6.1.2.1.10.39.2.1.1.1.2	=1	This notification is generated whenever the value of sonetPathCurrentStatus changes to value 1.	Cisco Sonet path status changed to clear

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
clogMessageGenerated	1.3.6.1.4.1.9.9.41.2.0.1	N/A	N/A	When a syslog message is generated by the device a clogMessageGenerated notification is sent. The sending of these notifications can be enabled/disabled via the clogNotificationsEnabled object.	Cisco syslog message generated
cPimNbrLoss	1.3.6.1.4.1.9.10.119.0.2	N/A	N/A	A cPimNbrLoss trap signifies the loss of an adjacency with a neighbor. This trap should be generated when the neighbor timer expires, and the router has no other neighbors on the same interface with a lower IP address than itself.	Cisco PIM neighbor lost
entSensorThresholdNotification	1.3.6.1.4.1.9.9.91.2.0.1	N/A	N/A	The sensor value crossed the threshold listed in entSensorThresholdTable. This notification is generated once each time the sensor value crosses the threshold	sensor value crossed threshold in entSensorThreshold Table
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	N/A	N/A	A rttMonNotification indicates the occurrence of a threshold violation, and it indicates the previous violation has subsided for a subsequent operation.	RTT threshold violation or clearance
cpwVcUp	1.3.6.1.4.1.9.10.106.2.2	N/A	N/A	This notification is generated when the cpwVcOperStatus object for one or more contiguous entries in cpwVcTable are about to enter the up(1) state from some other state.	Pseudo wire tunnel up
cpwVcDown	1.3.6.1.4.1.9.10.106.2.1	N/A	N/A	This notification is generated when the cpwVcOperStatus object for one or more contiguous entries in cpwVcTable are about to enter the down(2) state from some other state.	Pseudo wire tunnel down
ciscoRFSwactNotif	1.3.6.1.4.1.9.9.176.2.0.1	N/A	N/A	A SWACT notification is sent by the newly active redundant unit whenever a switch of activity occurs. In the case where a SWACT event may be indistinguishable from a reset event, a network management station should use this notification to differentiate the activity. sysUpTime is the same sysUpTime defined in the RFC-1213 MIB.	Cisco RF Swap Status - Unsupported

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ciscoRFSwact Notif	1.3.6.1.4.1.9.9.176.2.0.1	N/A	N/A	A SWACT notification is sent by the newly active redundant unit whenever a switch of activity occurs. In the case where a SWACT event may be indistinguishable from a reset event, a network management station should use this notification to differentiate the activity. sysUpTime is the same sysUpTime defined in the RFC-1213 MIB.	Cisco RF Swap Status - None
ciscoRFSwact Notif	1.3.6.1.4.1.9.9.176.2.0.1	N/A	N/A	A SWACT notification is sent by the newly active redundant unit whenever a switch of activity occurs. In the case where a SWACT event may be indistinguishable from a reset event, a network management station should use this notification to differentiate the activity. sysUpTime is the same sysUpTime defined in the RFC-1213 MIB.	Cisco RF Swap Status - Not Known
ciscoRFSwact Notif	1.3.6.1.4.1.9.9.176.2.0.1	N/A	N/A	A SWACT notification is sent by the newly active redundant unit whenever a switch of activity occurs. In the case where a SWACT event may be indistinguishable from a reset event, a network management station should use this notification to differentiate the activity. sysUpTime is the same sysUpTime defined in the RFC-1213 MIB.	Cisco RF Swap Status - UserInitiated
ciscoRFSwact Notif	1.3.6.1.4.1.9.9.176.2.0.1	N/A	N/A	A SWACT notification is sent by the newly active redundant unit whenever a switch of activity occurs. In the case where a SWACT event may be indistinguishable from a reset event, a network management station should use this notification to differentiate the activity. sysUpTime is the same sysUpTime defined in the RFC-1213 MIB.	Cisco RF Swap Status - UserForced

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ciscoRFSwactNotif	1.3.6.1.4.1.9.9.176.2.0.1	N/A	N/A	A SWACT notification is sent by the newly active redundant unit whenever a switch of activity occurs. In the case where a SWACT event may be indistinguishable from a reset event, a network management station should use this notification to differentiate the activity. sysUpTime is the same sysUpTime defined in the RFC-1213 MIB.	Cisco RF Swap Status - ActiveUnitFailed
ciscoRFSwactNotif	1.3.6.1.4.1.9.9.176.2.0.1	N/A	N/A	A SWACT notification is sent by the newly active redundant unit whenever a switch of activity occurs. In the case where a SWACT event may be indistinguishable from a reset event, a network management station should use this notification to differentiate the activity. sysUpTime is the same sysUpTime defined in the RFC-1213 MIB.	Cisco RF Swap Status - ActiveUnitRemoved
cefcUnrecognizedFRU	1.3.6.1.4.1.9.9.117.2.0.5	N/A	N/A	The cefcUnrecognizedFRU notification indicates that a FRU was inserted whose product ID is not supported. The varbind for this notification indicates the entPhysicalIndex of the inserted FRU, the entPhysicalClass this FRU belongs to, the entPhysicalVendorType of this FRU, the entPhysicalName of the FRU, the entPhysicalModelName of the inserted FRU, and the cefcPhysicalStatus telling the reason code for sending this notification.	cefc FRU inserted with unsupported product ID
cefcPowerSupplyOutputChange	1.3.6.1.4.1.9.9.117.2.0.7	N/A	N/A	The notification indicates that the power supply's output capacity has changed.This notification is triggered whenever one instance of the power supply's cefcPSOutputModeInOperation has transitioned from 'false' to 'true'.	cefc Power supply output capacity changed

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonConnectionChangeNotification	1.3.6.1.4.1.9.9.42.2.0.1	N/A	N/A	This notification is only valid when the RttMonRttType is 'echo' or 'pathEcho'.A rttMonConnectionChangeNotification indicates that a connection to a target (not to a hop along the path to a target) has failed on establishment or been lost and when reestablished. Precisely, this has resulted in rttMonCtrlOperConnectionLostOccurred changing value.	RTT Connection Change
rttMonTimeoutNotification	1.3.6.1.4.1.9.9.42.2.0.2	N/A	N/A	A rttMonTimeoutNotification indicates the occurrence of a timeout for a RTT operation, and it indicates the clearing of such a condition by a subsequent RTT operation. Precisely, this has resulted in rttMonCtrlOperTimeoutOccurred changing value. When the RttMonRttType is 'path Echo', this notification will only be sent when the timeout occurs during an operation to the target and not to a hop along the path to the target. This also applies to the clearing of the timeout.	RTT Operation Timeout
rttMonThresholdNotification	1.3.6.1.4.1.9.9.42.2.0.3	N/A	N/A	A rttMonThresholdNotification indicates the occurrence of a threshold violation for a RTT operation, and it indicates the previous violation has subsided for a subsequent RTT operation. Precisely, this has resulted in rttMonCtrlOperOverThresholdOccurred changing value. When the RttMonRttType is 'path Echo', this notification will only be sent when the threshold violation occurs during an operation to the target and not to a hop along the path to the target. This also applies to the subsiding of a threshold condition.	RTT Operation Threshold Violation
rttMonVerifyErrorNotification	1.3.6.1.4.1.9.9.42.2.0.4	N/A	N/A	A rttMonVerifyErrorNotification indicates the occurrence of a data corruption in an RTT operation.	RTT Verify Error

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	N/A	N/A	A rttMonNotification indicates the occurrence of a threshold violation, and it indicates the previous violation has subsided for a subsequent operation.	RTT threshold violation or clearance
rttMonLpdDiscoveryNotification	1.3.6.1.4.1.9.9.42.2.0.6	N/A	N/A	A rttMonLpdDiscoveryNotification indicates that the LSP Path Discovery to the target PE has failed, and it also indicates the clearing of such condition. Precisely this has resulted in rttMonLpdGrpStatsLPDFailOccurred changing value. When the rttMonLpdGrpStatsLPDFailOccurred is 'false', the instance value for rttMonLpdGrpStatsLPDFailCause is not valid.	RTT Lpd Discovery
rttMonLpdGrpStatusNotification	1.3.6.1.4.1.9.9.42.2.0.7	N/A	N/A	A rttMonLpdGrpStatusNotification indicates that the LPD Group status rttMonLpdGrpStatsGroupStatus has changed indicating some connectivity change to the target PE. This has resulted in rttMonLpdGrpStatsGroupStatus changing value.	RTT Lpd Grp Status
cbgpBackwardTransition	1.3.6.1.4.1.9.9.187.0.2	1.3.6.1.4.1.9.9.187.0.2	= 1	The cbgpBackwardTransition Event is generated when the IPv6 BGP FSM moves from a higher numbered state to a lower numbered state.	IPv6 BGP down trap
cbgpFsmStateChange	1.3.6.1.4.1.9.9.187.0.1	1.3.6.1.4.1.9.9.187.0.1	!= (1or 6)	The IPv6 BGP cbgpFsmStateChange notification is generated for every BGP FSM state change.	ipv6 BGP FSM state changed trap
cbgpFsmStateChange	1.3.6.1.4.1.9.9.187.0.1	1.3.6.1.4.1.9.9.187.0.1	= 6	The IPv6 BGP cbgpFsmStateChange notification is generated for every BGP FSM state change.	IPv6 BGP established trap
rttMonConnectionChangeNotification	1.3.6.1.4.1.9.9.42.2.0.1	1.3.6.1.4.1.9.9.42.1.2.9.1.5	1	IPSLA echo ConnLoss Trap v2	Connection Loss detected by ipsla icmp echo trap
rttMonConnectionChangeNotification	1.3.6.1.4.1.9.9.42.2.0.1	1.3.6.1.4.1.9.9.42.1.2.9.1.5	2	IPSLA echo ConnLoss Trap v2	Connection re-establish detected by ipsla icmp echo trap
rttMonTimeoutNotification	1.3.6.1.4.1.9.9.42.2.0.2	1.3.6.1.4.1.9.9.42.1.2.9.1.6	1	IPSLA IP or LSP echo Timeout trap v2	Timeout detected by ipsla icmp echo trap

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonTimeoutNotification	1.3.6.1.4.1.9.9.42.2.0.2	1.3.6.1.4.1.9.9.42.1.2.9.1.6	2	IPSLA IP or LSP echo Timeout trap v2	Connection re-establish detected by ipsla icmp echo trap
rttMonThresholdNotification	1.3.6.1.4.1.9.9.42.2.0.3	1.3.6.1.4.1.9.9.42.1.2.9.1.7	1	IPSLA Threshold Notification trap v2	Threshold crossing under trap
rttMonThresholdNotification	1.3.6.1.4.1.9.9.42.2.0.3	1.3.6.1.4.1.9.9.42.1.2.9.1.7	2	IPSLA Threshold Notification trap v2	Threshold crossing over trap
rttMonVerifyErrorNotification	1.3.6.1.4.1.9.9.42.2.0.4	1.3.6.1.4.1.9.9.42.1.2.9.1.11	1	IPSLA Threshold Notification deprecated trap v2	Data corruption in rtt operation trap
rttMonVerifyErrorNotification	1.3.6.1.4.1.9.9.42.2.0.4	1.3.6.1.4.1.9.9.42.1.2.9.1.11	2	IPSLA Threshold Notification deprecated trap v2	Data corruption cleared in rtt operation trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, null, 1	RTT MON notification	Connection Loss detected by ipsla icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, not null, 1	RTT MON notification	Connection Loss detected by ipsla LSP icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, null, 2	RTT MON notification	Connection re-establish detected by ipsla icmp echo trap

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, not null, 2	RTT MON notification	Connection re-establish detected by ipsla LSP icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, null, 1	RTT MON notification	Timeout detected by ipsla icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, not null, 1	RTT MON notification	Timeout detected by ipsla LSP icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, null, 2	RTT MON notification	Connection re-establish detected by ipsla icmp echo trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, not null, 2	RTT MON notification	Connection re-establish detected by ipsla LSP icmp echo trap

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	1, 1	RTT MON notification	RTT threshold crossing over trap
rttMonNotification	1.3.6.1.4.1.9.9.42.2.0.5	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	1, 2	RTT MON notification	RTT threshold crossing under trap
rttMonLpdDiscoveryNotification	1.3.6.1.4.1.9.9.42.2.0.6	1.3.6.1.4.1.9.9.42.1.3.7.1.13	1	IPSLA LPD Discovery trap v2	IPSLA LSP path discovery failure trap
rttMonLpdDiscoveryNotification	1.3.6.1.4.1.9.9.42.2.0.6	1.3.6.1.4.1.9.9.42.1.3.7.1.13	2	IPSLA LPD Discovery trap v2	IPSLA LSP path rediscovery trap
rttMonLpdGrpStatusNotification	1.3.6.1.4.1.9.9.42.2.0.7	1.3.6.1.4.1.9.9.42.1.3.7.1.16	3,4	IPSLA LDP Group Status trap v2	IPSLA LDP group status failure trap
rttMonLpdGrpStatusNotification	1.3.6.1.4.1.9.9.42.2.0.7	1.3.6.1.4.1.9.9.42.1.3.7.1.16	2	IPSLA LDP Group Status trap v2	IPSLA LDP group status restoration trap
cmplsFrrProtected	1.3.6.1.4.1.9.10.98.0.1	N/A	N/A	TE FRR trigger notification - protected trap v2	FRR Protected Trap
cmplsFrrUnProtected	1.3.6.1.4.1.9.10.98.0.2	N/A	N/A	TE FRR trigger notification - unprotected trap v2	FRR Unprotected Trap
cpwVcUp	1.3.6.1.4.1.9.10.106.2.2	N/A	N/A	This notification is generated when the cpwVcOperStatus object for one or more contiguous entries in cpwVcTable are about to enter the up(1) state from some other state.	Pseudo wire tunnel up
cpwVcDown	1.3.6.1.4.1.9.10.106.2.1	N/A	N/A	This notification is generated when the cpwVcOperStatus object for one or more contiguous entries in cpwVcTable are about to enter the down(2) state from some other state.	Pseudo wire tunnel down
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Far end LOF
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end sending LOF Indication

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Far end sending AIS
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end sending AIS
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end LOF
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end Loss of Signal
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end is looped
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 E1 TS16 AIS
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Far End Sending TS16 LOMF
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near End Sending TS16 LOMF
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near End detects a test code
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 any line status not defined here
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near End in Unavailable Signal State
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Carrier Equipment Out of Service
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 DS2 Payload AIS
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 DS2 Performance Threshold Exceeded

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 combination of bitmaps due to multiple failures
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 No alarm present
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Receiving Yellow/Remote Alarm Indication
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Transmitting Yellow/Remote Alarm Indication
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Receiving AIS failure state
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Transmitting AIS
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Receiving LOF failure state
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Receiving LOS failure state
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Looping the received signal
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Receiving a Test Pattern
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 any line status not defined here
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Near End in Unavailable Signal State
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Carrier Equipment Out of Service
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 combination of bitmaps due to multiple failures

Table 11-5 Cisco IOX V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 No alarm present
entConfigChange	1.3.6.1.2.1.47.2.0.1	N/A	N/A	An entConfigChange notification is generated when the value of entLastChangeTime changes. It can be utilized by an NMS to trigger logical/physical entity table maintenance polls.	Entity table configuration changed
Frame-Relay dlci status change trap v1	1.3.6.1.2.1.10.32.0.1	N/A	N/A	This trap indicates that the indicated Virtual Circuit has changed state. It has either been created or invalidated, or has toggled between the active and inactive states.	FR DLCI status invalid trap
Frame-Relay dlci status change trap v1	1.3.6.1.2.1.10.32.0.1	N/A	N/A	This trap indicates that the indicated Virtual Circuit has changed state. It has either been created or invalidated, or has toggled between the active and inactive states.	FR DLCI status inactive trap
Frame-Relay dlci status change trap v1	1.3.6.1.2.1.10.32.0.1	N/A	N/A	This trap indicates that the indicated Virtual Circuit has changed state. It has either been created or invalidated, or has toggled between the active and inactive states.	FR DLCI status active trap

Cisco MIB2 V1 Traps

Table 11-6 lists the Cisco MIB2 SNMP V1 traps supported in Cisco ANA. For associated event types, event subtypes, and Cisco ANA registry parameters, use the link under Short Description or see Table 11-13.

Table 11-6 Cisco MIB2 V1 Traps

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
dummy ticket on sun servers	N/A	N/A	1.3.6.1.4.1.42	This type will handle all traps sent from SUN server (the OID is the SUN SNMP mib)	N/A	N/A	dummy ticket trap
MIB2 V1 link down	2	0	1.3.6.1.6.3.1.1.5	A linkDown trap signifies that the sending protocol entity recognizes a failure in one of the communication links represented in the agent's configuration. The Trap-PDU of type linkDown contains as the first element of its variable-bindings, the name and value of the ifIndex instance for the affected interface.	N/A	N/A	SNMP Link down
MIB2 V1 link up	3	0	1.3.6.1.6.3.1.1.5	A linkUp trap signifies that the sending protocol entity recognizes that one of the communication links represented in the agent's configuration has come up. The Trap-PDU of type linkUp contains as the first element of its variable-bindings, the name and value of the ifIndex instance for the affected interface.	N/A	N/A	SNMP Link up
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 Far end LOF
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 Near end sending LOF Indication
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 Far end sending AIS
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 Near end sending AIS
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 Near end LOF

Table 11-6 Cisco MIB2 V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 Near end Loss of Signal
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 Near end is looped
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 E1 TS16 AIS
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 Far End Sending TS16 LOMF
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 Near End Sending TS16 LOMF
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 Near End detects a test code
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 any line status not defined here
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 Near End in Unavailable Signal State
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 Carrier Equipment Out of Service
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 DS2 Payload AIS
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 DS2 Performance Threshold Exceeded

Table 11-6 Cisco MIB2 V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 combination of bitmaps due to multiple failures
DSX1 V1 Line Status Change	6	1	1.3.6.1.2.1.10.18.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX1 No alarm present
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 Receiving Yellow/Remote Alarm Indication
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 Transmitting Yellow/Remote Alarm Indication
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 Receiving AIS failure state
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 Transmitting AIS
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 Receiving LOF failure state
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 Receiving LOS failure state
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 Looping the received signal
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 Receiving a Test Pattern

Table 11-6 Cisco MIB2 V1 Traps (continued)

Trap Name	Generic Type	Specific Type	Enterprise OID	Description	SubType Varbind OID	SubType Varbind Value	Short Description
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 any line status not defined here
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 Near End in Unavailable Signal State
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 Carrier Equipment Out of Service
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 combination of bitmaps due to multiple failures
DSX3 V1 Line Status Change	6	1	.1.3.6.1.2.1.10.30.15	Indicates the line status of dsx1 interface	N/A	N/A	DSX3 No alarm present
entConfigChange	6	1	1.3.6.1.2.1.47.2	An entConfigChange notification is generated when the value of entLastChangeTime changes. It can be utilized by an NMS to trigger logical/physical entity table maintenance polls.	N/A	N/A	Entity table configuration changed
Frame-Relay dlci status change trap v1	6	1	1.3.6.1.2.1.10.32	This trap indicates that the indicated Virtual Circuit has changed state. It has either been created or invalidated, or has toggled between the active and inactive states.	N/A	N/A	FR DLCI status invalid trap
Frame-Relay dlci status change trap v1	6	1	1.3.6.1.2.1.10.32	This trap indicates that the indicated Virtual Circuit has changed state. It has either been created or invalidated, or has toggled between the active and inactive states.	N/A	N/A	FR DLCI status inactive trap
Frame-Relay dlci status change trap v1	6	1	1.3.6.1.2.1.10.32	This trap indicates that the indicated Virtual Circuit has changed state. It has either been created or invalidated, or has toggled between the active and inactive states.	N/A	N/A	FR DLCI status active trap

Cisco MIB2 V2 Traps

Table 11-7 lists the Cisco MIB2 SNMP V2 traps supported in Cisco ANA. For associated event types, event subtypes, and Cisco ANA registry parameters, use the link under Short Description or see Table 11-14.

Table 11-7 Cisco MIB2 V2 Traps

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
bgpBackwardTransition	1.3.6.1.2.1.15.7.2	N/A	N/A	The BGPBackwardTransition Event is generated when the BGP FSM moves from a higher numbered state to a lower numbered state.	BGP down trap
bgpEstablished	1.3.6.1.2.1.15.7.1	1.3.6.1.2.1.15.3.1.2	= 6	The BGP Established event is generated when the BGP FSM enters the ESTABLISHED state.	BGP established trap
mteEventSetFailure	1.3.6.1.2.1.88.2.0.5	N/A	N/A	Notification that an attempt to do a set in response to an event has failed.	mte event set failure
mteTriggerFalling	1.3.6.1.2.1.88.2.0.3	N/A	N/A	Notification that the falling threshold was met for triggers with mteTriggerType 'threshold	Cisco mte trigger falling
mteTriggerFired	1.3.6.1.2.1.88.2.0.1	N/A	N/A	Notification that the trigger indicated by the object instances has fired, for triggers with mteTriggerType 'boolean' or 'existence'.	mte trigger fired
mteTriggerRising	1.3.6.1.2.1.88.2.0.2	N/A	N/A	Notification that the rising threshold was met for triggers with mteTriggerType 'threshold	Cisco mte trigger rising
entConfigChange	1.3.6.1.2.1.47.2.0.1	N/A	N/A	An entConfigChange notification is generated when the value of entLastChangeTime changes. It can be utilized by an NMS to trigger logical/physical entity table maintenance polls.	Entity table configuration changed
coldStart	1.3.6.1.6.3.1.1.5.1	N/A	N/A	A coldStart trap signifies that the SNMP entity, supporting a notification originator application, is reinitializing itself and that its configuration may have been altered.	Cold start trap
warmStart	1.3.6.1.6.3.1.1.5.2	N/A	N/A	A warmStart trap signifies that the SNMP entity, supporting a notification originator application, is reinitializing itself such that its configurationis unaltered	Warm start trap

Table 11-7 Cisco MIB2 V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
authenticationFailure	1.3.6.1.6.3.1.1.5.5	N/A	N/A	An authenticationFailure trap signifies that the SNMP entity has received a protocol message that is not properly authenticated. While all implementations of SNMP entities MAY be capable of generating this trap, the snmpEnableAuthenTraps object indicates whether this trap will be generated.	SNMP authentication failure
linkDown	1.3.6.1.6.3.1.1.5.3	N/A	N/A	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 Link down
linkUp	1.3.6.1.6.3.1.1.5.4	N/A	N/A	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 Link up
ipv6IfStateChange	1.3.6.1.2.1.55.2.0.1	1.3.6.1.2.1.55.2.0.1	*N/A*	An ipv6IfStateChange notification signifies that there has been a change in the state of an ipv6 interface. This notification should be generated when the interface's operational status transitions to or from the up(1) state	ipv6 interface state changed
ospfIfStateChange	1.3.6.1.2.1.14.16.2.16	1.3.6.1.2.1.14.7.1.12	= 1	An ospfIfStateChange trap signifies that there has been a change in the state of a non-virtualOSPF interface. This trap should be generated when the interface state regresses (e.g., goes from Dr to Down) or progresses to a terminal state (i.e., Point-to-Point, DR Other, Dr, or Backup)	OSPF interface state changed to Down

Table 11-7 Cisco MIB2 V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ospfIfStateChange	1.3.6.1.2.1.14.16.2.16	1.3.6.1.2.1.14.7.1.12	!= 1	An ospfIfStateChange trap signifies that there has been a change in the state of a non-virtualOSPF interface. This trap should be generated when the interface state regresses (e.g., goes from Dr to Down) or progresses to a terminal state (i.e., Point-to-Point, DR Other, Dr, or Backup)	OSPF interface state changed to Up
ospfVirtIfStateChange	1.3.6.1.2.1.14.16.2.1	N/A	N/A	An ospfIfStateChange trap signifies that there has been a change in the state of an OSPF virtual interface. This trap should be generated when the inter-face state regresses (e.g., goes from Point-to-Point to Down) or progresses to a terminal state (i.e., Point-to-Point).	OSPF virtual interface state changed to Down
ospfNbrStateChange	1.3.6.1.2.1.14.16.2.2	1.3.6.1.2.1.14.10.1.6	!= 8	An ospfNbrStateChange trap signifies that there has been a change in the state of a non-virtual OSPF neighbor. This trap should be generated when the neighbor state regresses (e.g., goes from Attempt or Full to 1-Way or Down) or progresses to a terminal state (e.g., 2-Way or Full).	OSPF neighbor state down
ospfNbrStateChange	1.3.6.1.2.1.14.16.2.2	1.3.6.1.2.1.14.10.1.6	= 8	An ospfNbrStateChange trap signifies that there has been a change in the state of a non-virtual OSPF neighbor. This trap should be generated when the neighbor state regresses (e.g., goes from Attempt or Full to 1-Way or Down) or progresses to a terminal state (e.g., 2-Way or Full).	OSPF neighbor state up
ospfVirtNbrStateChange	1.3.6.1.2.1.14.16.2.3	1.3.6.1.2.1.14.11.1.5	!= 8	An ospfIfStateChange trap signifies that there has been a change in the state of an OSPF virtual neighbor. This trap should be generated when the neighbor state regresses (e.g., goes from Attempt or Full to 1-Way or Down) or progresses to a terminal state (e.g., Full).	OSPF virtual neighbor state down

Table 11-7 Cisco MIB2 V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ospfVirtNbrStateChange	1.3.6.1.2.1.14.16.2.3	1.3.6.1.2.1.14.11.1.5	= 8	An ospfIfStateChange trap signifies that there has been a change in the state of an OSPF virtual neighbor. This trap should be generated when the neighbor state regresses (e.g., goes from Attempt or Full to 1-Way or Down) or progresses to a terminal state (e.g., Full).	OSPF virtual neighbor state up
ospfIfConfigError	1.3.6.1.2.1.14.16.2.4	N/A	N/A	An ospfIfConfigError trap signifies that a packet has been received on a non-virtual interface from a router whose configuration parameters conflict with this router's configuration parameters.	OSPF interface configuration error
ospfVirtIfConfigError	1.3.6.1.2.1.14.16.2.5	N/A	N/A	An ospfConfigError trap signifies that a packet has been received on a virtual interface from a router whose configuration parameters conflict with this router's configuration parameters.	OSPF virtual interface configuration error
ospfIfAuthFailure	1.3.6.1.2.1.14.16.2.6	N/A	N/A	An ospfIfAuthFailure trap signifies that a packet has been received on a non-virtual interface from a router whose authentication key or authentication type conflicts with this router's authentication key or authentication type.	OSPF interface authentication failure
ospfVirtIfAuthFailure	1.3.6.1.2.1.14.16.2.7	N/A	N/A	An ospfVirtIfAuthFailure trap signifies that a packet has been received on a virtual interface from a router whose authentication key or authentication type conflicts with this router's authentication key or authentication type.	OSPF virtual interface authentication failure
ospfIfRxBadPacket	1.3.6.1.2.1.14.16.2.8	N/A	N/A	An ospfIfRxBadPacket trap signifies that an OSPF packet has been received on a non-virtual interface that cannot be parsed.	OSPF bad packet received
ospfVirtIfRxBadPacket	1.3.6.1.2.1.14.16.2.9	N/A	N/A	An ospfRxBadPacket trap signifies that an OSPF packet has been received on a virtual interface that cannot be parsed.	OSPF bad packet received on virtual interface
ospfTxRetransmit	1.3.6.1.2.1.14.16.2.10	N/A	N/A	An ospfTxRetransmit trap signifies than an OSPF packet has been retransmitted on a non-virtual interface.	OSPF packet retransmitted

Table 11-7 Cisco MIB2 V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
ospfVirtIfTxRetransmit	1.3.6.1.2.1.14.16.2.11	N/A	N/A	An ospfTxRetransmit trap signifies than an OSPF packet has been retransmitted on a virtual interface.	OSPF packet retransmitted on virtual interface
ospfOriginateLsa	1.3.6.1.2.1.14.16.2.12	N/A	N/A	An ospfOriginateLsa trap signifies that a new LSA has been originated by this router. This trap should not be invoked for simple refreshes of LSAs (which happens every 30 minutes), but instead will only be invoked when an LSA is (re)originated due to a topology change.	OSPF new LSA originated
ospfMaxAgeLsa	1.3.6.1.2.1.14.16.2.13	N/A	N/A	An ospfMaxAgeLsa trap signifies that one of the LSA in the router's link-state database has aged to MaxAge.	OSPF LSA aged to MaxAge
mplsL3VpnNumVrfRouteMaxThreshCleared	1.3.6.1.2.1.10.166.11.0.6	N/A	N/A	This notification is generated only after the number of routes contained by the specified VRF exceeds or attempts to exceed the maximum allowed value as indicated by mplsVrfMaxRouteThreshold, and then falls below this value.	mpls l3 vpn numvrf routemax thresh cleared Trap
mplsL3VpnVrfDown	1.3.6.1.2.1.10.166.11.0.2	N/A	N/A	This notification is generated when: a. One interface is associated with this VRF, and the ifOperStatus of this interface changes from up(1) to down(2). b. Multiple interfaces are associated with this VRF, and the ifOperStatus of all except one of these interfaces is equal to up(1), and the ifOperStatus of that interface changes from up(1) to down(2).c. The last interface with ifOperStatus equal to up(1) is disassociated from a VRF	mpls l3 vpn vrf Down Trap
mplsL3VpnVrfNumVrfRouteMaxThreshExceeded	1.3.6.1.2.1.10.166.11.0.4	N/A	N/A	This notification is generated when the number of routes contained by the specified VRF exceeds or attempts to exceed the maximum allowed value as indicated by mplsL3VpnVrfMaxRouteThreshold.	mpls l3 vpn vrf numvrf routemax thresh exceeded Trap

Table 11-7 Cisco MIB2 V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
mplsL3VpnVrfRouteMidThreshExceeded	1.3.6.1.2.1.10.166.11.0.3	N/A	N/A	This notification is generated when the number of routes contained by the specified VRF exceeds the value indicated by mplsL3VpnVrfMidRouteThreshold.	mpls l3 vpn vrf routemid thresh exceeded Trap
mplsL3VpnVrfUp	1.3.6.1.2.1.10.166.11.0.1	N/A	N/A	This notification is generated when: a. No interface is associated with this VRF, and the first (and only first) interface associated with it has its ifOperStatus change to up(1). b. One interface is associated with this VRF, and the ifOperStatus of this interface changes to up(1). c. Multiple interfaces are associated with this VRF, and the ifOperStatus of all interfaces is down(2), and the first of those interfaces has its ifOperStatus change to up(1).	mpls l3 vpn vrf Up Trap
mplsLdpInitSessionThresholdExceeded	1.3.6.1.2.1.10.166.4.0.1	N/A	N/A	generated when the value of the 'mplsLdpEntityInitSessionThreshold' object is not zero, and the number of Session Initialization messages exceeds the value of the 'mplsLdpEntityInitSessionThreshold' object	MPLS LDP init session threshold exceeded Trap
mplsLdpSessionDown	1.3.6.1.2.1.10.166.4.0.4	N/A	N/A	sent when the value of 'mplsLdpSessionState' leaves the 'operational(5)' state	MPLS LDP session down Trap
mplsLdpSessionUp	1.3.6.1.2.1.10.166.4.0.3	N/A	N/A	sent when the value of 'mplsLdpSessionState' enters the 'operational(5)' state	MPLS LDP session up Trap
mplsTunnelRerouted	1.3.6.1.2.1.10.166.3.0.3	N/A	N/A	generated when a tunnel is rerouted. If the mplsTunnelARHopTable is used, then this tunnel instance's entry in the mplsTunnelARHopTable MAY contain the new path for this tunnel some time after this trap is issued by the agent	MPLS-TE tunnel rerouted trap

Table 11-7 Cisco MIB2 V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
mplsTunnelReoptimized	1.3.6.1.2.1.10.166.3.0.4	N/A	N/A	generated when a tunnel is reoptimized. If the mplsTunnelARHopTable is used, then this tunnel instance's entry in the mplsTunnelARHopTable MAY contain the new path for this tunnel some time after this trap is issued by the agent	MPLS-TE tunnel reoptimized trap
mplsTunnelDown	1.3.6.1.2.1.10.166.3.0.2	N/A	N/A	generated when a mplsTunnelOperStatus object for one of the configured tunnels is about to enter the down state from some other state (but not from the notPresen state). This other state is indicated by the included value of mplsTunnelOperStatus	MPLS-TE tunnel down
mplsTunnelUp	1.3.6.1.2.1.10.166.3.0.1	N/A	N/A	generated when a mplsTunnelOperStatus object for one of the configured tunnels is about to leave the down state and transition into some other state (but not into the notPresent state). This other state is indicated by the included value of mplsTunnelOperStatus	MPLS-TE tunnel up
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Far end LOF
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end sending LOF Indication
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Far end sending AIS
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end sending AIS
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end LOF
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end Loss of Signal
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near end is looped

Table 11-7 Cisco MIB2 V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 E1 TS16 AIS
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Far End Sending TS16 LOMF
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near End Sending TS16 LOMF
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near End detects a test code
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 any line status not defined here
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Near End in Unavailable Signal State
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 Carrier Equipment Out of Service
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 DS2 Payload AIS
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 DS2 Performance Threshold Exceeded
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 combination of bitmaps due to multiple failures
DSX1 V1 Line Status Change	1.3.6.1.2.1.10.18.15.0.1	N/A	N/A	Indicates the line status of dsx1 interface	DSX1 No alarm present
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Receiving Yellow/Remote Alarm Indication
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Transmitting Yellow/Remote Alarm Indication
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Receiving AIS failure state

Table 11-7 Cisco MIB2 V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Transmitting AIS
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Receiving LOF failure state
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Receiving LOS failure state
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Looping the received signal
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Receiving a Test Pattern
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 any line status not defined here
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Near End in Unavailable Signal State
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 Carrier Equipment Out of Service
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 combination of bitmaps due to multiple failures
DSX3 V1 Line Status Change	1.3.6.1.2.1.10.30.15.0.1	N/A	N/A	Indicates the line status of dsx3 interface	DSX3 No alarm present
Frame-Relay dlci status change trap v1	1.3.6.1.2.1.10.32.0.1	N/A	N/A	This trap indicates that the indicated Virtual Circuit has changed state. It has either been created or invalidated, or has toggled between the active and inactive states.	FR DLCI status invalid trap

Table 11-7 Cisco MIB2 V2 Traps (continued)

Trap Name	Trap OID	SubType Varbind OID	SubType Varbind Value	Description	Short Description
Frame-Relay dlci status change trap v1	1.3.6.1.2.1.10.32.0.1	N/A	N/A	This trap indicates that the indicated Virtual Circuit has changed state. It has either been created or invalidated, or has toggled between the active and inactive states.	FR DLCI status inactive trap
Frame-Relay dlci status change trap v1	1.3.6.1.2.1.10.32.0.1	N/A	N/A	This trap indicates that the indicated Virtual Circuit has changed state. It has either been created or invalidated, or has toggled between the active and inactive states.	FR DLCI status active trap

Cisco ASR 9000 V2 Registry Parameters

Table 11-8 lists the associated event types, event subtypes, and Cisco ANA registry parameters for the Cisco ASR 9000 SNMP V2 traps shown in Table 11-1.

Table 11-8 Cisco ASR 9000 V2 Trap Registry Parameters

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
NTP Server Status Changes to Unknown	cisco ntp server notification	unknown	1.3.6.1.4.1.9.9.168.1.1.11	=1	N	IManagedElement	F	F	F	0	F	info	F	T	F
NTP Server Status Changes to notRunning	cisco ntp server notification	notRunning	1.3.6.1.4.1.9.9.168.1.1.11	=2	N	IManagedElement	F	F	F	0	F	info	F	T	F
NTP Server Status Changes to notSynchronized	cisco ntp server notification	notSynchronized	1.3.6.1.4.1.9.9.168.1.1.11	=3	N	IManagedElement	F	F	F	0	F	info	F	T	F
NTP Server Status Changes to syncToLocal	cisco ntp server notification	syncToLocal	1.3.6.1.4.1.9.9.168.1.1.11	=4	N	IManagedElement	F	F	F	0	F	info	F	T	F
NTP Server Status Changes to syncToRefclock	cisco ntp server notification	syncToRefclock	1.3.6.1.4.1.9.9.168.1.1.11	=5	N	IManagedElement	F	F	F	0	F	info	F	T	F

Table 11-8 Cisco ASR 9000 V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
NTP Server Status Changes to syncToRemoteServer	cisco ntp server notification	syncToRemoteServer	1.3.6.1.4.1.9.9.168.1.1.11	=6	N	IManagedElement	F	F	F	0	F	info	F	T	F
Spanning Tree Topology Changed	Spanning-Tree-Topology-Change-Trap	Spanning-Tree-Topology-Change	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	F	T	F
Warm start trap	warm start trap	warm start trap	N/A	N/A	N	IManagedElement	F	F	F	0	F	min	T	T	F
dot1ag CFM Fault Alarm	dot1ag cfm fault alarm trap	dot1ag cfm fault alarm trap	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	T	T	F

Cisco IOS V1 Trap Registry Parameters

Table 11-9 lists the associated event types, event subtypes, and Cisco ANA registry parameters for the Cisco IOX SNMP V1 traps shown in Table 11-2.

Table 11-9 Cisco IOS V1 Trap Registry Parameters

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Critical Temprature	cisco-Environment-Monitoring-Temperature-Notification	critical	1.3.6.1.4.1.9.9.13.1.3.1.6	3	N	IManaged Element	F	F	F	0	T	cri	F	T	F
Normal Temprature	cisco-Environment-Monitoring-Temperature-Notification	normal	1.3.6.1.4.1.9.9.13.1.3.1.6	1	N	IManaged Element	F	F	F	0	F	clr	F	T	F
Not Functioning	cisco-Environment-Monitoring-Temperature-Notification	notFunctionin g	1.3.6.1.4.1.9.9.13.1.3.1.6	6	N	IManaged Element	F	F	F	0	T	maj	F	T	F
Not Present	cisco-Environment-Monitoring-Temperature-Notification	notPresent	1.3.6.1.4.1.9.9.13.1.3.1.6	5	N	IManaged Element	F	F	F	0	T	maj	F	T	F
Critical Temprature - Device Shutdown	cisco-Environment-Monitoring-Temperature-Notification	shutdown	1.3.6.1.4.1.9.9.13.1.3.1.6	4	N	IManaged Element	F	F	F	0	T	cri	F	T	F
Temprature Rising	cisco-Environment-Monitoring-Temperature-Notification	warning	1.3.6.1.4.1.9.9.13.1.3.1.6	2	N	IManaged Element	F	F	F	0	T	wrn	F	T	F
Power Supply - Critical	cisco-EnvMon-Supply-State-Notification-Trap	critical	1.3.6.1.4.1.9.9.13.1.5.1.3	3	N	IManaged Element	F	F	F	0	F	cri	T	T	F

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Power Supply - Normal	cisco-EnvMon-Supply-State-Notification-Trap	normal	1.3.6.1.4.1.9.9.13.1.5.1.3	1	N	IManaged Element	F	F	F	0	F	clr	T	T	F
Power Supply - Not Functioning	cisco-EnvMon-Supply-State-Notification-Trap	notFunctioning	1.3.6.1.4.1.9.9.13.1.5.1.3	6	N	IManaged Element	F	F	F	0	F	maj	T	T	F
Power Supply - Not Present	cisco-EnvMon-Supply-State-Notification-Trap	notPresent	1.3.6.1.4.1.9.9.13.1.5.1.3	5	N	IManaged Element	T	F	F	0	F	maj	T	T	F
Power Supply - Shutdown	cisco-EnvMon-Supply-State-Notification-Trap	shutdown	1.3.6.1.4.1.9.9.13.1.5.1.3	4	N	IManaged Element	F	F	F	0	F	cri	T	T	F
Power Supply - Warning	cisco-EnvMon-Supply-State-Notification-Trap	warning	1.3.6.1.4.1.9.9.13.1.5.1.3	2	N	IManaged Element	F	F	F	0	F	wrn	T	T	F
Fan down trap	fan down trap	fan down trap	1.3.6.1.4.1.9.9.13.1.4.1.3	!= 1	N	IManaged Element	F	T	F	0	T	maj	F	T	F
Fan up trap	fan down trap	fan up trap	1.3.6.1.4.1.9.9.13.1.4.1.3	1	N	IManaged Element	F	F	F	0	F	clr	F	T	F
RTT Operation Timeout	RTT Operation Timeout	RTT Operation Timeout	N/A	N/A	N	IManaged Element	F	F	F	0	F	info	T	T	F
RTT Operation Threshold Violation	RTT Operation Threshold Violation	RTT Operation Threshold Violation	N/A	N/A	N	IManaged Element	F	F	F	0	F	info	T	T	F

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
dot1qBridge trap	dot1qBridge trap	dot1 qBri dge trap	N/A	N/A	N	IManaged Element	F	T	F	0	F	info	F	T	F
Mep up trap	mep trap	mep up	N/A	N/A	N	IManaged Element	F	F	F	0	F	clr	F	T	F
Mep down trap	mep trap	mep down	N/A	N/A	N	IManaged Element	F	F	F	0	T	maj	F	T	F
Cold start trap	cold start trap	cold start trap	N/A	N/A	N	IManaged Element	F	F	T	1900 00	F	info	T	T	F
SNMP Link down	snmp link down	snmp link down	N/A	N/A	Y	IPhysical Layer	F	T	F	0	T	maj	F	T	T
SNMP Link up	snmp link down	snmp link up	N/A	N/A	Y	IPhysical Layer	F	T	F	0	F	clr	F	T	T
IMA Group Remote Failure	IMA Group Failure trap	IMA Grou p Rem ote Failu re	1.3.6.1. 4.1.353 .5.7.1.1 .6	10,1 2,15	mtop-ima-g roup-state,p ort-status	ImaGroup Oid	F	F	F	0	F	MINOR	T	T	T
IMA Group Remote insufficient links trap	IMA Group Failure trap	IMA Grou p Rem ote insuf ficie nt links trap	1.3.6.1. 4.1.353 .5.7.1.1 .6	14	mtop-ima-g roup-state,p ort-status	ImaGroup Oid	F	F	F	0	F	MAJOR	T	T	T
IMA Group Up Trap	IMA Group Failure trap	IMA Grou p Up Trap	1.3.6.1. 4.1.353 .5.7.1.1 .5	1	mtop-ima-g roup-state,p ort-status	ImaGroup Oid	F	F	F	0	F	CLEARE D	F	T	T

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
IMA Group local Failure	IMA Group Failure trap	IMA Group local Failure	1.3.6.1.4.1.353.5.7.1.1.6	11,16	mtop-ima-group-state,port-status	ImaGroupOid	F	F	F	0	F	MINOR	T	T	T
IMA Group local insufficient links trap	IMA Group Failure trap	IMA Group local insufficient links trap	1.3.6.1.4.1.353.5.7.1.1.6	13	mtop-ima-group-state,port-status	ImaGroupOid	F	F	F	0	F	MAJOR	T	T	T
Ima Link Loss of delay Frame Trap	IMA Link Failure trap	Ima Link Loss of delay Frame Trap	1.3.6.1.4.1.353.5.7.1.1.6	2	mtop-ima-group-state,port-status	ImaGroupOid	F	F	F	0	T	MINOR	F	T	T
Ima Link Loss of ima Frame Trap	IMA Link Failure trap	Ima Link Loss of ima Frame Trap	1.3.6.1.4.1.353.5.7.1.1.6	1	mtop-ima-group-state,port-status	ImaGroupOid	F	T	F	0	F	MINOR	T	T	T
Ima Link Rcv Failure Trap	IMA Link Failure trap	Ima Link Rcv Failure Trap	1.3.6.1.4.1.353.5.7.1.1.6	5,7,9	mtop-ima-group-state,port-status	ImaGroupOid	F	T	F	0	F	MINOR	T	T	T

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Ima Link Remote Failure Trap	IMA Link Failure trap	Ima Link Remote Failure Trap	1.3.6.1.4.1.353.5.7.1.1.6	3	mtop-ima-group-state,port-status	ImaGroupOid	F	T	F	0	F	MINOR	T	T	T
Ima Link Up Trap	IMA Link Failure trap	Ima Link Up Trap	1.3.6.1.4.1.353.5.7.1.1.5	1	mtop-ima-group-state,port-status	ImaGroupOid	F	F	F	0	F	CLEARED	F	T	T
Ima Link Xmt Failure Trap	IMA Link Failure trap	Ima Link Xmt Failure Trap	1.3.6.1.4.1.353.5.7.1.1.6	4,6,8	mtop-ima-group-state,port-status	ImaGroupOid	F	T	F	0	F	MINOR	T	T	T
Cisco UMT state Change trap	Cisco UMT state Change trap	Cisco UMT state Change trap	N/A	N/A	N/A	PortLayer1Oid	F	F	F	0	F	info	F	T	F
Cisco GSM state Change trap	Cisco GSM state Change trap	Cisco GSM state Change trap	N/A	N/A	N/A	PortLayer1Oid	F	F	F	0	F	info	F	T	F
IPRAN Backhaul Received Util Acceptable Trap	IPRAN Backhaul Received Util Trap	IPRAN Backhaul Received Util Acceptable Trap	1.3.6.1.4.1.9.9.483.1.2.2.1.1.1.3	1	N/A	PortLayer1Oid	F	F	F	0	F	clr	F	T	F

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
IPRAN Backhaul Received Util Warning Trap	IPRAN Backhaul Received Util Trap	IPRAN Backhaul Received Util Warning Trap	1.3.6.1.4.1.9.9.483.1.2.2.1.1.3	2	N/A	PortLayer1Oid	F	F	F	0	T	wrn	F	T	F
IPRAN Backhaul Received Util Overloaded Trap	IPRAN Backhaul Received Util Trap	IPRAN Backhaul Received Util Overloaded Trap	1.3.6.1.4.1.9.9.483.1.2.2.1.1.3	3	N/A	PortLayer1Oid	F	F	F	0	T	maj	F	T	F
IPRAN Backhaul Sent Util Acceptable Trap	IPRAN Backhaul Sent Util Trap	IPRAN Backhaul Sent Util Acceptable Trap	1.3.6.1.4.1.9.9.483.1.2.2.1.1.4	1	N/A	PortLayer1Oid	F	F	F	0	F	clr	F	T	F
IPRAN Backhaul Sent Util Overloaded Trap	IPRAN Backhaul Sent Util Trap	IPRAN Backhaul Sent Util Warning Trap	1.3.6.1.4.1.9.9.483.1.2.2.1.1.4	2	N/A	PortLayer1Oid	F	F	F	0	T	wrn	F	T	F

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
IPRAN Backhaul Sent Util Warning Trap	IPRAN Backhaul Sent Util Trap	IPRAN Backhaul Sent Util Overloaded Trap	1.3.6.1.4.1.9.9.483.1.2.2.1.1.1.4	3	N/A	PortLayer1Oid	F	F	F	0	T	maj	F	T	F
Connection Loss detected by ipsla icmp echo trap	ipsla echo connloss trap	connection loss detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.9.1.5	1	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla echo connloss trap	connection re-establish detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.9.1.5	2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Timeout detected by ipsla icmp echo trap	ipsla ip or lsp echo timeout trap	timeout detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.9.1.6	1	N/A	ManagedElement	F	F	F	0	F	info	F	T	F

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Connection re-establish detected by ipsla icmp echo trap	ipsla ip or lsp echo timeout trap	connection re-establish detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.9.1.6	2	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Threshold crossing under trap	ipsla threshold notification trap	threshold crossing under trap	1.3.6.1.4.1.9.9.42.1.2.9.1.7	1	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Threshold crossing over trap	ipsla threshold notification trap	threshold crossing over trap	1.3.6.1.4.1.9.9.42.1.2.9.1.7	2	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Data corruption in rtt operation trap	ipsla threshold notification trap	data corruption in rtt operation trap	1.3.6.1.4.1.9.9.42.1.2.9.1.11	1	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Data corruption cleared in rtt operation trap	ipsla threshold notification trap	data corruption cleared in rtt operation trap	1.3.6.1.4.1.9.9.42.1.2.9.1.11	2	N/A	ManagedElement	F	F	F	0	F	info	F	T	F

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Connection Loss detected by ipsla icmp echo trap	ipsla echo connloss trap	connection loss detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, null, 1	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection Loss detected by ipsla LSP icmp echo trap	ipsla echo connloss trap	connection loss detected by ipsla lsp icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, not null, 1	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla echo connloss trap	connection re-establish detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, null, 2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Connection re-establish detected by ipsla LSP icmp echo trap	ipsla echo connloss trap	connection re-establish detected by ipsla lsp icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, not null, 2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Timeout detected by ipsla icmp echo trap	ipsla echo timeout trap	timeout detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, null, 1	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Timeout detected by ipsla LSP icmp echo trap	ipsla echo timeout trap	timeout detected by ipsla lsp icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, not null, 1	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Connection re-establish detected by ipsla icmp echo trap	ipsla echo timeout trap	connection re-establish detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, null, 2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Connection re-establish detected by ipsla LSP icmp echo trap	ipsla echo timeout trap	connection re-establish detected by ipsla lsp icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, not null, 2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
RTT threshold crossing over trap	ipsla echo rtt trap	rtt threshold crossing over trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	1, 1	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
RTT threshold crossing under trap	ipsla echo rtt trap	rtt threshold crossing under trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	1, 2	N/A	ManagedElement	F	F	F	0	F	info	F	T	F

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
IPSLA LSP path discovery failure trap	ipsla lpd discovery trap	ipsla lsp path discovery failure trap	1.3.6.1.4.1.9.9.42.1.3.7.1.13	1	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
IPSLA LSP path rediscovery trap	ipsla lpd discovery trap	ipsla lsp path rediscovery trap	1.3.6.1.4.1.9.9.42.1.3.7.1.13	2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
IPSLA LDP group status failure trap	ipsla lpd group status trap	ipsla ldp group status failure trap	1.3.6.1.4.1.9.9.42.1.3.7.1.16	3,4	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
IPSLA LDP group status restoration trap	ipsla lpd group status trap	ipsla ldp group status restoration trap	1.3.6.1.4.1.9.9.42.1.3.7.1.16	2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
FRR Protected Trap	frr trigger trap	frr protected trap	N/A	N/A	N/A	PortLayer1	F	T	F	0	F	info	F	T	F
FRR Unprotected Trap	frr trigger trap	frr unprotected trap	N/A	N/A	N/A	PortLayer1	F	T	F	0	F	info	F	T	F

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Pseudo wire tunnel up	pseudo wire tunnel traps	Pseudo wire tunnel up	N/A	N/A	ce-pw-tunnels-status-trap	IPTPLayer2MplsTunnel	F	F	F	0	F	clr	F	T	T
Pseudo wire tunnel down	pseudo wire tunnel traps	Pseudo wire tunnel down	N/A	N/A	ce-pw-tunnels-status-trap	IPTPLayer2MplsTunnel	F	T	F	0	F	min	T	T	T
vtp configuration revision number error trap	vtp notification prefix trap	vtp Config Rev Number Error	N/A	N/A	N	VtpKey	F	F	F	0	F	wrn	F	T	F
vtp configuration digest error trap	vtp notification prefix trap	vtp Config Digest Error	N/A	N/A	N	VtpKey	F	F	F	0	F	maj	F	T	F
vtp VersionOne Device Detected trap	vtp notification prefix trap	vtp VersionOne Device Detected	N/A	N/A	N	VtpKey	F	F	F	0	F	min	F	T	F
vtp Local Mode Changed trap	vtp notification prefix trap	vtp Local Mode Changed	N/A	N/A	N	VtpKey	F	F	F	0	F	min	F	T	F

Table 11-9 Cisco IOS V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
vtp VersionInUse Changed trap	vtp notification prefix trap	vtp VersionIn Use Changed	N/A	N/A	N	VtpKey	F	F	F	0	F	info	F	T	F
Vlan trunk port dynamic status changed to trunking	vlan-trunk-port-dynamic-status	trunking	1.3.6.1.4.1.9.9.46.1.6.1.1.14	1	N	IPortLayer1	F	F	F	0	F	wrn	F	T	F
Vlan trunk port dynamic status changed to not trunking	vlan-trunk-port-dynamic-status	not trunking	1.3.6.1.4.1.9.9.46.1.6.1.1.14	2	N	IPortLayer1	F	T	F	0	F	wrn	F	T	F

Cisco IOS V2 Trap Registry Parameters

Table 11-10 lists the associated event types, event subtypes, and Cisco ANA registry parameters for the Cisco IOX SNMP V1 traps shown in Table 11-3.

Table 11-10 Cisco IOS V2 Trap Registry Parameters

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
CBF File operation state indicator	cbf define file completion	cbf define file completion	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	F	T	F
Cisco BGP backward transition trap	cisco bgp trap	cisco bgp backward transition trap	1.3.6.1.4.1.9.9.187.0.2	!= (1or6)	N	IBgpNeighborEntry	F	T	F	0	F	info	F	T	T
Cisco BGP down trap	cisco bgp trap	cisco bgp down trap	1.3.6.1.4.1.9.9.187.0.2	= 1	N	IBgpNeighborEntry	F	T	T	0	F	maj	F	T	T
Cisco BGP established trap	cisco bgp trap	cisco bgp established trap	1.3.6.1.4.1.9.9.187.0.2	= 6	N	IBgpNeighborEntry	F	F	F	0	F	clr	F	T	T
Cisco BGP prefix threshold exceeded	cisco bgp prefix threshold exceeded	cisco bgp prefix threshold exceeded	N/A	N/A	N	IProfileContainer (BGP)	F	T	F	0	F	wrn	T	T	T
Cisco BGP prefix threshold clear	cisco bgp prefix threshold exceeded	cisco bgp prefix threshold clear	N/A	N/A	N	IProfileContainer (BGP)	F	F	F	0	F	clr	F	T	T
Config-copy request completion	cc copy completion	cc copy completion	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	F	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Cisco Configuration management event notification	cisco config man event	cisco config man event	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	F	T	F
cefc fan-tray oper status down	cefc fan tray status changed	cefc fan status down	1.3.6.1.4.1.9.9.117.1.4.1.1.1	!=2	physical-command	IModule	F	T	T	0	F	cri	T	T	T
cefc fan-tray oper status up	cefc fan tray status changed	cefc fan status up	1.3.6.1.4.1.9.9.117.1.4.1.1.1	=2	physical-command	IModule	F	F	F	0	F	clr	F	T	T
cefc FRU inserted	cefc fru removed	cefc fru inserted	N/A	N/A	physical-command	IModule	F	F	F	0	F	clr	F	T	T
cefc FRU removed	cefc fru removed	cefc fru removed	N/A	N/A	physical-command	IModule	F	T	T	0	F	maj	T	T	T
cefc module oper status down	cefc module oper status changed	cefc module oper down	1.3.6.1.4.1.9.9.117.1.2.1.1.2	!=2	physical-command	IModule	F	T	T	0	F	maj	T	T	T
cefc module oper status up	cefc module oper status changed	cefc module oper up	1.3.6.1.4.1.9.9.117.1.2.1.1.2	=2	physical-command	IModule	F	F	F	0	F	clr	F	T	T
cefc power status down	cefc power status changed	cefc power status down	1.3.6.1.4.1.9.9.117.1.1.2.1.2	!=2	physical-command	IModule	F	T	T	0	F	maj	T	T	T
cefc power status up	cefc power status changed	cefc power status up	1.3.6.1.4.1.9.9.117.1.1.2.1.2	=2	physical-command	IModule	F	F	F	0	F	clr	F	T	T

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
sensor value crossed threshold in entSensorThresholdTable	entity sensor threshold notification	entity sensor threshold notification	N/A	N/A	N	IManagedElement	F	F	F	0	F	maj	T	T	T
Cisco flash copy failed	cisco flash copy completed	cisco flash copy failed	1.3.6.1.4.1.9.9.10.1.2.1.1.8	!= (0 or 1 or 2)	N	IManagedElement	F	F	F	0	F	info	F	T	F
Cisco flash copy completion	cisco flash copy completed	cisco flash copy completed	1.3.6.1.4.1.9.9.10.1.2.1.1.8	=2	N	IManagedElement	F	F	F	0	F	info	F	T	F
Cisco flash copy in progress	cisco flash copy completed	cisco flash copy in progress	1.3.6.1.4.1.9.9.10.1.2.1.1.8	=(0 or 1)	N	IManagedElement	F	F	F	0	F	info	F	T	F
Cisco Flash device changed	cisco flash device changed	cisco flash device changed	N/A	N/A	N	IManagedElement	F	F	F	0	F	wrn	F	T	F
Cisco Flash device inserted	cisco flash device removed	cisco flash device inserted	N/A	N/A	N	IManagedElement	F	F	F	0	F	clr	F	T	T
Cisco Flash device removed	cisco flash device removed	cisco flash device removed	N/A	N/A	N	IManagedElement	F	F	F	0	F	wrn	F	T	T
Cisco Flash device inserted	cisco flash device removed	cisco flash device inserted	N/A	N/A	N	IManagedElement	F	F	F	0	F	clr	F	T	T
Cisco Flash device removed	cisco flash device removed	cisco flash device removed	N/A	N/A	N	IManagedElement	F	F	F	0	F	wrn	F	T	T

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Cisco Flash miscellaneous operation failed	cisco flash operation completed	cisco flash operation failed	1.3.6.1.4.1.9.9.10.1.2.3.1.4	!= (1 or 2)	N	IManagedElement	F	F	F	0	F	info	F	T	F
Cisco Flash miscellaneous operation completed	cisco flash operation completed	cisco flash operation completed	1.3.6.1.4.1.9.9.10.1.2.3.1.4	=2	N	IManagedElement	F	F	F	0	F	info	F	T	F
Cisco Flash miscellaneous operation in progress	cisco flash operation completed	cisco flash operation in progress	1.3.6.1.4.1.9.9.10.1.2.3.1.4	=1	N	IManagedElement	F	F	F	0	F	info	F	T	F
chassis alarm off	chassis alarm trap	chassis alarm off	N/A	N/A	N	IManagedElement	F	F	F	0	F	clr	F	T	F
chassis alarm on	chassis alarm trap	chassis alarm on	N/A	N/A	N	IManagedElement	F	T	F	0	T	min	F	T	F
Cisco PIM neighbor lost	cisco pim neighbor lost	cisco pim neighbor lost	N/A	N/A	N	IRoutingEntry	F	T	T	0	F	info	T	T	T
Cisco ping completion	cisco ping completion	cisco ping completion	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	F	T	F
Cisco Sonet section status changed to error	sonet section status changed	sonet section status changed to error	1.3.6.1.2.1.10.39.1.2.1.1	!=1	N	IPortLayer1	F	T	T	0	F	maj	F	T	T
Cisco Sonet section status changed to clear	sonet section status changed	sonet section status changed to clear	1.3.6.1.2.1.10.39.1.2.1.1	=1	N	IPortLayer1	F	F	F	0	F	clr	F	T	T

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Cisco Sonet line status changed to error	sonet line status changed	sonet line status changed to error	1.3.6. 1.2.1. 10.39. 1.3.1. 1.1	!=1	N	IPortLayer 1	F	T	T	0	F	maj	F	T	T
Cisco Sonet line status changed to clear	sonet line status changed	sonet line status changed to clear	1.3.6. 1.2.1. 10.39. 1.3.1. 1.1	=1	N	IPortLayer 1	F	F	F	0	F	clr	F	T	T
Cisco Sonet path status changed to error	sonet path status changed	sonet path status changed to error	1.3.6. 1.2.1. 10.39. 2.1.1. 1.2	!=1	N	IPortLayer 1	F	T	T	0	F	maj	F	T	T
Cisco Sonet path status changed to clear	sonet path status changed	sonet path status changed to clear	1.3.6. 1.2.1. 10.39. 2.1.1. 1.2	=1	N	IPortLayer 1	F	F	F	0	F	clr	F	T	T
MPLS LDP init session threshold exceeded Trap	mpls ldp session down	mpls ldp init session thresh exceeded	N/A	N/A	N	IPortLayer 1	F	T	F	0	F	wrn	F	T	T
MPLS LDP session down Trap	mpls ldp session down	mpls ldp session down	N/A	N/A	mpls interfaces ' and 'label switching table	'IPortLayer 1	T	T	T	0	F	min	T	T	T
MPLS LDP session up Trap	mpls ldp session down	mpls ldp session up	N/A	N/A	mpls interfaces ' and 'label switching table	'IPortLayer 1	F	T	F	0	F	clr	F	T	T
MPLS-TE tunnel up trap	mpls te tunnel down trap	mpls te tunnel up trap	N/A	N/A	mpls traffic engineering tunnel information	IMplsTETunnel	F	F	F	0	F	clr	F	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
MPLS-TE tunnel down trap	mpls te tunnel down trap	mpls te tunnel down trap	N/A	N/A	mpls traffic engineering tunnel information	IMplsTETunnel	F	T	F	0	T	maj	F	T	T
MPLS-TE tunnel rerouted trap	mpls te tunnel rerouted trap	mpls te tunnel rerouted trap	N/A	N/A	N	IMplsTETunnel	F	T	F	0	F	info	T	T	T
Failed receive multicast router heartbeat	cisco multicast router heartbeat failed	cisco multicast router heartbeat failed	N/A	N/A	N	IManagedElement	F	T	F	0	F	info	F	T	F
Cisco VSS Shelf 1 is Disabled	VSS RF State Change	Shelf 1 is Disabled	N/A	N/A	vss-shelfs-status-command	IShelf	F	F	F	1100000	F	info	T	T	F
Cisco VSS Shelf 1 is Standby Cold	VSS RF State Change	Shelf 1 is Standby Cold	N/A	N/A	vss-shelfs-status-command	IShelf	F	F	F	1100000	F	info	T	T	F
Cisco VSS Shelf 1 is Standby Hot	VSS RF State Change	Shelf 1 is Standby Hot	N/A	N/A	vss-shelfs-status-command	IShelf	F	F	F	1100000	F	info	T	T	F
Cisco VSS Shelf 2 is Disabled	VSS RF State Change	Shelf 2 is Disabled	N/A	N/A	vss-shelfs-status-command	IShelf	F	F	F	1100000	F	info	T	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Cisco VSS Shelf 2 is Standby Cold	VSS RF State Change	Shelf 2 is Standby Cold	N/A	N/A	vss-shelfs-status-command	IShelf	F	F	F	1100000	F	info	T	T	F
Cisco VSS Shelf 2 is Standby Hot	VSS RF State Change	Shelf 2 is Standby Hot	N/A	N/A	vss-shelfs-status-command	IShelf	F	F	F	1100000	F	info	T	T	F
VSL Connection Changed: Down	VSL Connection State Change	VSL Connection State Down	N/A	N/A	physical-entity-mib-snmp-cisco6500 vss + vss-shelfs-status-command	IShelf	F	F	F	1100000	F	info	T	T	F
VSL Connection Change: Up	VSL Connection State Change	VSL Connection State Up	N/A	N/A	physical-entity-mib-snmp-cisco6500 vss + vss-shelfs-status-command	IShelf	F	F	F	1100000	F	info	T	T	F
dot1qBridge trap	dot1qBridge trap	dot1qBridge trap	N/A	N/A	N	IManagedElement	F	T	F	0	F	info	F	T	F
Mep up trap	mep trap	mep up	N/A	N/A	N	IManagedElement	F	F	F	0	F	clr	F	T	F
Mep down trap	mep trap	mep down	N/A	N/A	N	IManagedElement	F	F	F	0	T	maj	F	T	F
Cold start trap	cold start trap	cold start trap	N/A	N/A	N	IManagedElement	F	F	T	2E+05	F	info	T	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Cisco hsrp state standby	cisco hsrp state change	cisco hsrp state standby	1.3.6.1.4.1.9.9.106.1.2.1.1.15	= 5	hsrp information (command under forwarding investigator)	IIPInterface	F	T	F	0	F	info	T	T	T
Cisco hsrp state non active	cisco hsrp state change	cisco hsrp state non active	1.3.6.1.4.1.9.9.106.1.2.1.1.15	= ^	hsrp information (command under forwarding investigator)	IIPInterface	F	T	F	0	F	info	T	T	T
Cisco hsrp state active	cisco hsrp state change	cisco hsrp state active	1.3.6.1.4.1.9.9.106.1.2.1.1.15	= 6	hsrp information (command under forwarding investigator)	IIPInterface	F	T	F	0	F	info	T	T	T
Cisco Environment Monitoring Fan Notification - Critical	cisco-Environment-Monitoring-Fan-Notification	critical	1.3.6.1.4.1.9.9.13.1.4.1.3	= 3	N	IManagedElement + identifier index	F	F	F	0	F	cri	T	T	F
Cisco Environment Monitoring Fan Notification - Normal	cisco-Environment-Monitoring-Fan-Notification	normal	1.3.6.1.4.1.9.9.13.1.4.1.3	= 1	N	IManagedElement + identifier index	F	F	F	0	F	clr	T	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Cisco Environment Monitoring Fan Notification - Not Functioning	cisco-Environment-Monitoring-Fan-Notification	notFunctioning	1.3.6.1.4.1.9.9.13.1.4.1.3	= 6	N	IManagedElement + identifier index	F	F	F	0	F	maj	T	T	F
Cisco Environment Monitoring Fan Notification - Not Present	cisco-Environment-Monitoring-Fan-Notification	notPresent	1.3.6.1.4.1.9.9.13.1.4.1.3	= 5	N	IManagedElement + identifier index	T	F	F	0	F	maj	T	T	F
Cisco Environment Monitoring Fan Notification - Shutdown	cisco-Environment-Monitoring-Fan-Notification	shutdown	1.3.6.1.4.1.9.9.13.1.4.1.3	= 4	N	IManagedElement + identifier index	F	F	F	0	F	cri	T	T	F
Cisco Environment Monitoring Fan Notification - Warning	cisco-Environment-Monitoring-Fan-Notification	warning	1.3.6.1.4.1.9.9.13.1.4.1.3	= 2	N	IManagedElement + identifier index	F	F	F	0	F	wrn	T	T	F
Redundant Supply State - Critical	cisco-EnvMon-Redundant-Supply-Notification-Trap	critical	1.3.6.1.4.1.9.9.13.1.5.1.3	= 3	N	IManagedElement + identifier index	F	F	F	0	F	cri	F	T	F
Redundant Supply State - Normal	cisco-EnvMon-Redundant-Supply-Notification-Trap	normal	1.3.6.1.4.1.9.9.13.1.5.1.3	= 1	N	IManagedElement + identifier index	F	F	F	0	F	clr	T	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Redundant Supply State - Not Functioning	cisco-EnvMon-Redundant-Supply-Notification-Trap	notFunctioning	1.3.6.1.4.1.9.9.13.1.5.1.3	= 6	N	IManagedElement + identifier index	F	F	F	0	F	maj	T	T	F
Redundant Supply State - Not Present	cisco-EnvMon-Redundant-Supply-Notification-Trap	notPresent	1.3.6.1.4.1.9.9.13.1.5.1.3	= 5	N	IManagedElement + identifier index	T	F	F	0	F	maj	T	T	F
Redundant Supply State - Shutdown	cisco-EnvMon-Redundant-Supply-Notification-Trap	shutdown	1.3.6.1.4.1.9.9.13.1.5.1.3	= 4	N	IManagedElement + identifier index	F	F	F	0	F	cri	T	T	F
Redundant Supply State - Warning	cisco-EnvMon-Redundant-Supply-Notification-Trap	warning	1.3.6.1.4.1.9.9.13.1.5.1.3	= 2	N	IManagedElement + identifier index	F	F	F	0	F	wrn	T	T	F
Critical Temperature	cisco-Environment-Monitoring-Temperature-Notification	critical	1.3.6.1.4.1.9.9.13.1.3.1.6	= 3	N	IManagedElement + identifier index	F	F	F	0	F	cri	T	T	F
Normal Temperature	cisco-Environment-Monitoring-Temperature-Notification	normal	1.3.6.1.4.1.9.9.13.1.3.1.6	= 1	N	IManagedElement + identifier index	F	F	F	0	F	clr	T	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Not Functioning	cisco-Environment-Monitoring-Temperature-Notification	notFunctioning	1.3.6.1.4.1.9.9.13.1.3.1.6	= 6	N	IManagedElement + identifier index	F	F	F	0	F	maj	T	T	F
Not Present	cisco-Environment-Monitoring-Temperature-Notification	notPresent	1.3.6.1.4.1.9.9.13.1.3.1.6	= 5	N	IManagedElement + identifier index	F	F	F	0	F	maj	T	T	F
Critical Temperature - Device Shutdown	cisco-Environment-Monitoring-Temperature-Notification	shutdown	1.3.6.1.4.1.9.9.13.1.3.1.6	= 4	N	IManagedElement + identifier index	F	F	F	0	F	cri	T	T	F
Temperature Rising	cisco-Environment-Monitoring-Temperature-Notification	warning	1.3.6.1.4.1.9.9.13.1.3.1.6	= 2	N	IManagedElement + identifier index	F	F	F	0	F	wrn	T	T	F
new root trap	new root trap	new root trap	N/A	N/A	N	IStpService	F	F	F	0	F	info	F	T	F
stpx port inconsistency discovered	stpx port inconsistency update	stpx port inconsistency discovered	1.3.6.1.4.1.9.9.82.1.3.1.3	=1	N	IStpService	F	T	F	0	F	maj	T	T	F
stpx port inconsistency resolved	stpx port inconsistency update	stpx port inconsistency resolved	1.3.6.1.4.1.9.9.82.1.3.1.4	=2	N	IStpService	F	F	F	0	F	clr	T	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
stpx loop inconsistency discovered	stpx loop inconsistency update	stpx loop inconsistency discovered	1.3.6.1.4.1.9.9.82.1.8.2.1.3	= 1	N	IStpService	F	T	F	0	F	maj	T	T	F
stpx loop inconsistency resolved	stpx loop inconsistency update	stpx loop inconsistency resolved	1.3.6.1.4.1.9.9.82.1.8.2.1.3	= 2	N	IStpService	F	F	F	0	F	clr	T	T	F
stpx root inconsistency discovered	stpx root inconsistency update	stpx root inconsistency discovered	1.3.6.1.4.1.9.9.82.1.5.2.1.3	= 1	N	IStpService	F	T	F	0	F	maj	T	T	F
stpx root inconsistency resolved	stpx root inconsistency update	stpx root inconsistency resolved	1.3.6.1.4.1.9.9.82.1.5.2.1.3	= 2	N	IStpService	F	F	F	0	F	clr	T	T	F
vtp configuration revision number error trap	vtp notification prefix trap	vtp Config Rev Number Error	N/A	N/A	N	VtpKey	F	F	F	0	F	wrn	F	T	F
vtp configuration digest error trap	vtp notification prefix trap	vtp Config Digest Error	N/A	N/A	N	VtpKey	F	F	F	0	F	maj	F	T	F
cisco EnvMon Shutdown Notification Trap	cisco-EnvMon-Shutdown-Notification-Trap	cisco-EnvMon-Shutdown-Notification-Trap	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	F	T	F
caem Temperature Notification Trap	caem-MIB-Notifications-Trap	caem Temperature Notification	N/A	N/A	N	IManagedElement	F	F	F	0	F	min	F	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
caem Voltage Notification Trap	caem-MIB-Notifications-Trap	caem Voltage Notification	N/A	N/A	N	IManagedElement	F	F	F	0	F	min	F	T	F
cmn Mac Changed Notification Trap	cmn-Mac-Changed-Notification-Trap	cmn-Mac-Changed-Notification-Trap	N/A	N/A	N	IManagedElement	F	F	F	0	F	min	F	T	F
cmn Mac Move Notification Trap	cmn-Mac-Move-Notification-Trap	cmn-Mac-Move-Notification-Trap	N/A	N/A	N	IManagedElement + identifier index	F	F	F	0	F	min	F	T	F
vtp VersionOne Device Detected trap	vtp notification prefix trap	vtp VersionOne Device Detected	N/A	N/A	N	VtpKey	F	F	F	0	F	min	F	T	F
vtp Local Mode Changed trap	vtp notification prefix trap	vtp Local Mode Changed	N/A	N/A	N	VtpKey	F	F	F	0	F	min	F	T	F
vtp VersionInUse Changed trap	vtp notification prefix trap	vtp VersionInUse Changed	N/A	N/A	N	VtpKey	F	F	F	0	F	info	F	T	F
Vlan trunk port dynamic status changed to trunking	vlan-trunk-port-dynamic-status	trunking	1.3.6.1.4.1.9.9.46.1.6.1.1.14	= 1	N	IPortLayer1	F	F	F	0	F	wrn	F	T	F
Vlan trunk port dynamic status changed to not trunking	vlan-trunk-port-dynamic-status	not trunking	1.3.6.1.4.1.9.9.46.1.6.1.1.14	2	N	IPortLayer1	F	T	F	0	F	wrn	F	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
cps Secure MacAddr Violation Trap	cps-Secure-MacAddr-Violation-Trap	cps-Secure-MacAddr-Violation-Trap	N/A	N/A	N	IPortLayer1	F	F	T	0	F	maj	T	T	F
cps IfVlan Secure MacAddr Violation Trap	cps-IfVlan-Secure-MacAddr-Violation-Trap	cps-IfVlan-Secure-MacAddr-Violation-Trap	N/A	N/A	N	IPortLayer1	F	F	T	0	F	maj	T	T	F
cisco L2 Control VlanMacLimit Notif Trap	cisco-L2-Control-VlanMacLimit-Notifs-Trap	clc VlanMac Limit Notif	N/A	N/A	N	IPortLayer1	F	F	F	0	F	info	F	T	F
cisco L2 Control VlanMacLimit High Notif Trap	cisco-L2-Control-VlanMacLimit-Notifs-Trap	clc VlanMac Limit High Notif	N/A	N/A	N	IPortLayer1	F	F	F	0	F	info	F	T	F
cisco L2 Control IfMacLimit Low Notif Trap	cisco-L2-Control-IfMacLimit-Notifs-Trap	clc IfMacLimit Low Notif	N/A	N/A	N	IPortLayer1	F	F	F	0	F	info	F	T	F
cisco L2 Control IfMacLimit High Notif Trap	cisco-L2-Control-IfMacLimit-Notifs-Trap	clc IfMacLimit High Notif	N/A	N/A	N	IPortLayer1	F	F	F	0	F	info	F	T	F
cisco L2 Control IfVlanMacLimit Low Notif Trap	cisco-L2-Control-IfVlanMacLimit-Notifs-Trap	clc IfVlanMacLimit Low Notif	N/A	N/A	N	IPortLayer1	F	F	F	0	F	info	F	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
cisco L2 Control IfVlanMacLimit High Notif Trap	cisco-L2-Control-IfVlanMacLimit-Notifs-Trap	clc IfVlanMacLimit High Notif	N/A	N/A	N	IPortLayer1	F	F	F	0	F	info	F	T	F
Cisco SBC source alert off trap	cisco sbc source alert trap	off	1.3.6.1.4.1.9.9.658.1.2	= 1	N	ISbcService	F	F	F	0	F	clr	F	T	F
Cisco SBC source alert on trap	cisco sbc source alert trap	on	1.3.6.1.4.1.9.9.658.1.2	!= (1 or 7)	N	ISbcService	F	F	F	0	F	wrn	T	T	F
Cisco SBC source alert informational trap	cisco sbc source alert trap	informational	1.3.6.1.4.1.9.9.658.1.2	= 7	N	ISbcService	F	F	F	0	F	info	F	T	F
Cisco SBC dynamic blacklist trap	cisco sbc dynamic blacklist trap	cisco sbc dynamic blacklist trap	1.3.6.1.4.1.9.9.658.1.2	= 1	N	ISbcService	F	F	F	0	F	info	F	T	F
Cisco SBC adjacency state up trap	cisco sbc adjacency state change trap	up	1.3.6.1.4.1.9.9.658.1.2	= 1	N	ISbcService	F	F	F	0	F	clr	F	T	F
Cisco SBC adjacency state down trap	cisco sbc adjacency state change trap	down	1.3.6.1.4.1.9.9.658.1.2	!= (1 or 7)	N	ISbcService	F	F	F	0	F	maj	T	T	F
Cisco SBC adjacency state informational trap	cisco sbc adjacency state change trap	informational	1.3.6.1.4.1.9.9.658.1.2	= 7	N	ISbcService	F	F	F	0	F	info	F	T	F
Cisco SBC service state up trap	cisco sbc service state change trap	up	1.3.6.1.4.1.9.9.658.1.28	= 1	sbc	ISbcService	F	F	F	0	F	clr	F	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Cisco SBC service state down trap	cisco sbc service state change trap	down	1.3.6.1.4.1.9.9.658.1.28	= 3	sbc	ISbcService	F	F	F	0	F	cri	T	T	F
Cisco SBC service state informational trap	cisco sbc service state change trap	informational	1.3.6.1.4.1.9.9.658.1.28	= 2	sbc	ISbcService	F	F	F	0	F	info	F	T	F
Cisco SBC system congestion cleared trap	cisco sbc system congestion trap	cleared	1.3.6.1.4.1.9.9.658.1.2	= 1	N	ISbcService	F	F	F	0	F	clr	F	T	F
Cisco SBC system congestion raised trap	cisco sbc system congestion trap	raised	1.3.6.1.4.1.9.9.658.1.2	!= (1 or 7)	N	ISbcService	F	F	F	0	F	wrn	T	T	F
Cisco SBC system congestion informational trap	cisco sbc system congestion trap	informational	1.3.6.1.4.1.9.9.658.1.2	= 7	N	ISbcService	F	F	F	0	F	info	F	T	F
Cisco SBC SLA violation off trap	cisco sbc sla violation trap	off	1.3.6.1.4.1.9.9.658.1.2	= 1	N	ISbcService	F	F	F	0	F	clr	F	T	F
Cisco SBC SLA violation on trap	cisco sbc sla violation trap	on	1.3.6.1.4.1.9.9.658.1.2	!= (1 or 7)	N	ISbcService	F	F	F	0	F	min	T	T	F
Cisco SBC SLA violation informational trap	cisco sbc sla violation trap	informational	1.3.6.1.4.1.9.9.658.1.2	= 7	N	ISbcService	F	F	F	0	F	info	F	T	F
Cisco SBC radius connection state up trap	cisco sbc radius connection state change trap	up	1.3.6.1.4.1.9.9.658.1.2	= 1	N	ISbcService	F	F	F	0	F	clr	F	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Cisco SBC radius connection state down trap	cisco sbc radius connection state change trap	down	1.3.6.1.4.1.9.9.658.1.2	!= (1 or 7)	N	ISbcService	F	F	F	0	F	maj	T	T	F
Cisco SBC radius connection state informational trap	cisco sbc radius connection state change trap	informational	1.3.6.1.4.1.9.9.658.1.2	= 7	N	ISbcService	F	F	F	0	F	info	F	T	F
Cisco SBC H248 controller state up trap	cisco sbc h248 controller state change trap	up	1.3.6.1.4.1.9.9.658.1.2	= 1	N	ISbcService	F	F	F	0	F	clr	F	T	F
Cisco SBC H248 controller state down trap	cisco sbc h248 controller state change trap	down	1.3.6.1.4.1.9.9.658.1.2	!= (1 or 7)	N	ISbcService	F	F	F	0	F	wrn	T	T	F
Cisco SBC H248 controller state informational trap	cisco sbc h248 controller state change trap	informational	1.3.6.1.4.1.9.9.658.1.2	= 7	N	ISbcService	F	F	F	0	F	info	F	T	F
RTT Connection Change	RTT Connection Change	RTT Connection Change	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	T	T	F
RTT Operation Timeout	RTT Operation Timeout	RTT Operation Timeout	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	T	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
RTT Operation Threshold Violation	RTT Operation Threshold Violation	RTT Operation Threshold Violation	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	T	T	F
RTT Verify Error	RTT Verify Error	RTT Verify Error	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	T	T	F
RTT threshold violation or clearance	rtt threshold violation or clearance	rtt threshold violation or clearance	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	T	T	F
RTT Lpd Discovery	RTT Lpd Discovery	RTT Lpd Discovery	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	T	T	F
RTT Lpd Grp Status	RTT Lpd Grp Status	RTT Lpd Grp Status	N/A	N/A	N	IManagedElement	F	F	F	0	F	info	T	T	F
IMA Group Remote Failure	IMA Group Failure trap	IMA Group Remote Failure	1.3.6.1.4.1.353.5.7.1.1.6	10,12,15	mtop-ima-group-state,port-status	ImaGroupOid	F	F	F	0	F	min	T	T	T
IMA Group Remote insufficient links trap	IMA Group Failure trap	IMA Group Remote insufficient links trap	1.3.6.1.4.1.353.5.7.1.1.6	14	mtop-ima-group-state,port-status	ImaGroupOid	F	F	F	0	F	maj	T	T	T
IMA Group Up Trap	IMA Group Failure trap	IMA Group Up Trap	1.3.6.1.4.1.353.5.7.1.1.5	1	mtop-ima-group-state,port-status	ImaGroupOid	F	F	F	0	F	clr	F	T	T

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
IMA Group local Failure	IMA Group Failure trap	IMA Group local Failure	1.3.6.1.4.1.353.5.7.1.1.6	11,16	mtop-ima-group-state,port-status	ImaGroup Oid	F	F	F	0	F	min	T	T	T
IMA Group local insufficient links trap	IMA Group Failure trap	IMA Group local insufficient links trap	1.3.6.1.4.1.353.5.7.1.1.6	13	mtop-ima-group-state,port-status	ImaGroup Oid	F	F	F	0	F	maj	T	T	T
Ima Link Loss of delay Frame Trap	IMA Link Failure trap	Ima Link Loss of delay Frame Trap	1.3.6.1.4.1.353.5.7.1.1.6	2	mtop-ima-group-state,port-status	ImaGroup Oid	F	F	F	0	T	min	F	T	T
Ima Link Loss of ima Frame Trap	IMA Link Failure trap	Ima Link Loss of ima Frame Trap	1.3.6.1.4.1.353.5.7.1.1.6	1	mtop-ima-group-state,port-status	ImaGroup Oid	F	T	F	0	F	min	T	T	T
Ima Link Rcv Failure Trap	IMA Link Failure trap	Ima Link Rcv Failure Trap	1.3.6.1.4.1.353.5.7.1.1.6	5,7,9	mtop-ima-group-state,port-status	ImaGroup Oid	F	T	F	0	F	min	T	T	T
Ima Link Remote Failure Trap	IMA Link Failure trap	Ima Link Remote Failure Trap	1.3.6.1.4.1.353.5.7.1.1.6	3	mtop-ima-group-state,port-status	ImaGroup Oid	F	T	F	0	F	min	T	T	T
Ima Link Up Trap	IMA Link Failure trap	Ima Link Up Trap	1.3.6.1.4.1.353.5.7.1.1.5	1	mtop-ima-group-state,port-status	ImaGroup Oid	F	F	F	0	F	clr	F	T	T
Ima Link Xmt Failure Trap	IMA Link Failure trap	Ima Link Xmt Failure Trap	1.3.6.1.4.1.353.5.7.1.1.6	4,6,8	mtop-ima-group-state,port-status	ImaGroup Oid	F	T	F	0	F	min	T	T	T

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Cisco UMT state Change trap	Cisco UMT state Change trap	Cisco UMT state Change trap	N/A	N/A	N/A	PortLayer1 Oid	F	F	F	0	F	info	F	T	F
Cisco GSM state Change trap	Cisco GSM state Change trap	Cisco GSM state Change trap	N/A	N/A	N/A	PortLayer1 Oid	F	F	F	0	F	info	F	T	F
IPRAN Backhaul Received Util Acceptable Trap	IPRAN Backhaul Received Util Trap	IPRAN Backhaul Received Util Acceptable Trap	1.3.6.1.4.1.9.9.483.1.2.2.1.1.3	1	N/A	PortLayer1 Oid	F	F	F	0	F	clr	F	T	F
IPRAN Backhaul Received Util Warning Trap	IPRAN Backhaul Received Util Trap	IPRAN Backhaul Received Util Warning Trap	1.3.6.1.4.1.9.9.483.1.2.2.1.1.3	2	N/A	PortLayer1 Oid	F	F	F	0	T	wrn	F	T	F
IPRAN Backhaul Received Util Overloaded Trap	IPRAN Backhaul Received Util Trap	IPRAN Backhaul Received Util Overloaded Trap	1.3.6.1.4.1.9.9.483.1.2.2.1.1.3	3	N/A	PortLayer1 Oid	F	F	F	0	T	maj	F	T	F
IPRAN Backhaul Sent Util Acceptable Trap	IPRAN Backhaul Sent Util Trap	IPRAN Backhaul Sent Util Acceptable Trap	1.3.6.1.4.1.9.9.483.1.2.2.1.1.4	1	N/A	PortLayer1 Oid	F	F	F	0	F	clr	F	T	F
IPRAN Backhaul Sent Util Overloaded Trap	IPRAN Backhaul Sent Util Trap	IPRAN Backhaul Sent Util Warning Trap	1.3.6.1.4.1.9.9.483.1.2.2.1.1.4	2	N/A	PortLayer1 Oid	F	F	F	0	T	wrn	F	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
IPRAN Backhaul Sent Util Warning Trap	IPRAN Backhaul Sent Util Trap	IPRAN Backhaul Sent Util Overloaded Trap	1.3.6.1.4.1.9.9.483.1.2.2.1.1.4	3	N/A	PortLayer1 Oid	F	F	F	0	T	maj	F	T	F
Connection Loss detected by ipsla icmp echo trap	ipsla echo connloss trap	connection loss detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.9.1.5	1	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla echo connloss trap	connection re-establish detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.9.1.5	2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Timeout detected by ipsla icmp echo trap	ipsla ip or lsp echo timeout trap	timeout detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.9.1.6	1	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla ip or lsp echo timeout trap	connection re-establish detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.9.1.6	2	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Threshold crossing under trap	ipsla threshold notification trap	threshold crossing under trap	1.3.6.1.4.1.9.9.42.1.2.9.1.7	1	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Threshold crossing over trap	ipsla threshold notification trap	threshold crossing over trap	1.3.6.1.4.1.9.9.42.1.2.9.1.7	2	N/A	ManagedElement	F	F	F	0	F	info	F	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Data corruption in rtt operation trap	ipsla threshold notification trap	data corruption in rtt operation trap	1.3.6.1.4.1.9.9.42.1.2.9.1.11	1	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Data corruption cleared in rtt operation trap	ipsla threshold notification trap	data corruption cleared in rtt operation trap	1.3.6.1.4.1.9.9.42.1.2.9.1.11	2	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Connection Loss detected by ipsla icmp echo trap	ipsla echo connloss trap	connection loss detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.1 9.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.1 9.1.10	8, null, 1	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection Loss detected by ipsla LSP icmp echo trap	ipsla echo connloss trap	connection loss detected by ipsla lsp icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.1 9.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.1 9.1.10	8, not null, 1	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Connection re-establish detected by ipsla icmp echo trap	ipsla echo connloss trap	connection re-establish detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, null, 2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Connection re-establish detected by ipsla LSP icmp echo trap	ipsla echo connloss trap	connection re-establish detected by ipsla lsp icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	8, not null, 2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Timeout detected by ipsla icmp echo trap	ipsla echo timeout trap	timeout detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, null, 1	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Timeout detected by ipsla LSP icmp echo trap	ipsla echo timeout trap	timeout detected by ipsla lsp icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, not null, 1	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla echo timeout trap	connection re-establish detected by ipsla icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, null, 2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Connection re-establish detected by ipsla LSP icmp echo trap	ipsla echo timeout trap	connection re-establish detected by ipsla lsp icmp echo trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.2.1.33, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	7, not null, 2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
RTT threshold crossing over trap	ipsla echo rtt trap	rtt threshold crossing over trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	1, 1	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
RTT threshold crossing under trap	ipsla echo rtt trap	rtt threshold crossing under trap	1.3.6.1.4.1.9.9.42.1.2.19.1.2, 1.3.6.1.4.1.9.9.42.1.2.19.1.10	1, 2	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
IPSLA LSP path discovery failure trap	ipsla lpd discovery trap	ipsla lsp path discovery failure trap	1.3.6.1.4.1.9.9.42.1.3.7.1.13	1	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
IPSLA LSP path rediscovery trap	ipsla lpd discovery trap	ipsla lsp path rediscovery trap	1.3.6.1.4.1.9.9.42.1.3.7.1.13	2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
IPSLA LDP group status failure trap	ipsla lpd group status trap	ipsla ldp group status failure trap	1.3.6.1.4.1.9.9.42.1.3.7.1.16	3,4	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
IPSLA LDP group status restoration trap	ipsla lpd group status trap	ipsla ldp group status restoration trap	1.3.6.1.4.1.9.9.42.1.3.7.1.16	2	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
FRR Protected Trap	frr trigger trap	frr protected trap			N/A	PortLayer1	F	T	F	0	F	info	F	T	F

Table 11-10 Cisco IOS V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	SubType Varbind OID	SubType Varbind Value	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
FRR Unprotected Trap	frr trigger trap	frr unprotected trap			N/A	PortLayer1	F	T	F	0	F	info	F	T	F
Pseudo wire tunnel up	pseudo wire tunnel traps	Pseudo wire tunnel up	N/A	N/A	ce-pw-tunnel-status-snmp, ce-vfi-status-telnet	IPTPLayer2MplsTunnel	F	F	F	0	F	clr	F	T	T
Pseudo wire tunnel down	pseudo wire tunnel traps	Pseudo wire tunnel down	N/A	N/A	ce-pw-tunnel-status-snmp, ce-vfi-status-telnet	IPTPLayer2MplsTunnel	F	T	F	0	F	min	T	T	T

Cisco IOX V1 Trap Registry Parameters

Table 11-11 lists the associated event types, event subtypes, and Cisco ANA registry parameters for the Cisco IOX SNMP V1 traps shown in Table 11-4.

Table 11-11 Cisco IOX V1 Trap Registry Parameters

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Pseudo wire tunnel up	pseudo wire tunnel traps	Pseudo wire tunnel up	ce-pw-tunnels-status-trap	IPTPLayer2MplsTunnel	F	F	F	0	F	clr	F	T	T
Pseudo wire tunnel down	pseudo wire tunnel traps	Pseudo wire tunnel down	ce-pw-tunnels-status-trap	IPTPLayer2MplsTunnel	F	T	F	0	F	min	T	T	T
SNMP Link down	snmp link down	snmp link down	Y	IPhysicalLayer	F	T	F	0	T	maj	F	T	T
SNMP Link up	snmp link down	snmp link up	Y	IPhysicalLayer	F	T	F	0	F	clr	F	T	T

Table 11-11 Cisco IOX V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Connection Loss detected by ipsla icmp echo trap	ipsla echo connloss trap	connection loss detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla echo connloss trap	connection re-establish detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Timeout detected by ipsla icmp echo trap	ipsla ip or lsp echo timeout trap	timeout detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla ip or lsp echo timeout trap	connection re-establish detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Threshold crossing under trap	ipsla threshold notification trap	threshold crossing under trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Threshold crossing over trap	ipsla threshold notification trap	threshold crossing over trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Data corruption in rtt operation trap	ipsla threshold notification trap	data corruption in rtt operation trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Data corruption cleared in rtt operation trap	ipsla threshold notification trap	data corruption cleared in rtt operation trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Connection Loss detected by ipsla icmp echo trap	ipsla echo connloss trap	connection loss detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F

Table 11-11 Cisco IOX V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Connection Loss detected by ipsla LSP icmp echo trap	ipsla echo connloss trap	connection loss detected by ipsla lsp icmp echo trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla echo connloss trap	connection re-establish detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Connection re-establish detected by ipsla LSP icmp echo trap	ipsla echo connloss trap	connection re-establish detected by ipsla lsp icmp echo trap	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Timeout detected by ipsla icmp echo trap	ipsla echo timeout trap	timeout detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Timeout detected by ipsla LSP icmp echo trap	ipsla echo timeout trap	timeout detected by ipsla lsp icmp echo trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla echo timeout trap	connection re-establish detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Connection re-establish detected by ipsla LSP icmp echo trap	ipsla echo timeout trap	connection re-establish detected by ipsla lsp icmp echo trap	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
RTT threshold crossing over trap	ipsla echo rtt trap	rtt threshold crossing over trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
RTT threshold crossing under trap	ipsla echo rtt trap	rtt threshold crossing under trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
IPSLA LSP path discovery failure trap	ipsla lpd discover y trap	ipsla lsp path discovery failure trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F

Table 11-11 Cisco IOX V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
IPSLA LSP path rediscovery trap	ipsla lpd discover y trap	ipsla lsp path rediscovery trap	N/A	ManagedEle ment	F	F	F	0	F	clr	F	T	F
IPSLA LDP group status failure trap	ipsla lpd group status trap	ipsla ldp group status failure trap	N/A	ManagedEle ment	F	F	F	0	F	maj	T	T	F
IPSLA LDP group status restoration trap	ipsla lpd group status trap	ipsla ldp group status restoration trap	N/A	ManagedEle ment	F	F	F	0	F	clr	F	T	F
FRR Protected Trap	frr trigger trap	frr protected trap	N/A	PortLayer1	F	T	F	0	F	info	F	T	F
FRR Unprotected Trap	frr trigger trap	frr unprotected trap	N/A	PortLayer1	F	T	F	0	F	info	F	T	F
Pseudo wire tunnel up	pseudo wire tunnel traps	Pseudo wire tunnel up	ce-pw-tunnels-st atus-trap	IPTPLayer2 MplsTunnel	F	F	F	0	F	clr	F	T	T
Pseudo wire tunnel down	pseudo wire tunnel traps	Pseudo wire tunnel down	ce-pw-tunnels-st atus-trap	IPTPLayer2 MplsTunnel	F	T	F	0	F	min	T	T	T
DSX1 Far end LOF	dsx1 line status change	RcvFarEndLO F	Y	IPhysicalLay er	F	T	F	0	T	maj	T	T	F
DSX1 Near end sending LOF Indication	dsx1 line status change	XmtFarEndLO F	Y	IPhysicalLay er	F	T	F	0	F	maj	T	T	F
DSX1 Far end sending AIS	dsx1 line status change	RcvAIS	Y	IPhysicalLay er	F	T	F	0	F	wrn	T	T	F
DSX1 Near end sending AIS	dsx1 line status change	XmtAIS	Y	IPhysicalLay er	F	T	F	0	F	wrn	T	T	F
DSX1 Near end LOF	dsx1 line status change	LossOfFrame	Y	IPhysicalLay er	F	T	F	0	F	maj	T	T	F

Table 11-11 Cisco IOX V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
DSX1 Near end Loss of Signal	dsx1 line status change	LossOfSignal	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near end is looped	dsx1 line status change	LoopbackState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 E1 TS16 AIS	dsx1 line status change	T16AIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 Far End Sending TS16 LOMF	dsx1 line status change	RcvFarEndLOMF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near End Sending TS16 LOMF	dsx1 line status change	XmtFarEndLOMF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near End detects a test code	dsx1 line status change	RcvTestCode	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 any line status not defined here	dsx1 line status change	OtherFailure	Y	IPhysicalLayer	F	T	F	0	F	min	T	T	F
DSX1 Near End in Unavailable Signal State	dsx1 line status change	UnavailSigState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Carrier Equipment Out of Service	dsx1 line status change	NetEquipOOS	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 DS2 Payload AIS	dsx1 line status change	RcvPayloadAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 DS2 Performance Threshold Exceeded	dsx1 line status change	Ds2PerfThreshold	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 combination of bitmaps due to multiple failures	dsx1 line status change	MultipleFailures	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 No alarm present	dsx1 line status change	NoAlarm	Y	IPhysicalLayer	F	T	F	0	F	clr	F	T	F

Table 11-11 Cisco IOX V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
DSX3 Receiving Yellow/Remote Alarm Indication	dsx3 line status change	RcvRAIFailure	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Transmitting Yellow/Remote Alarm Indication	dsx3 line status change	XmitRAIAlarm	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Receiving AIS failure state	dsx3 line status change	RcvAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX3 Transmitting AIS	dsx3 line status change	XmtAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX3 Receiving LOF failure state	dsx3 line status change	LossOfFrame	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Receiving LOS failure state	dsx3 line status change	LossOfSignal	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Looping the received signal	dsx3 line status change	LoopbackState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Receiving a Test Pattern	dsx3 line status change	RcvTestCode	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 any line status not defined here	dsx3 line status change	OtherFailure	Y	IPhysicalLayer	F	T	F	0	F	min	T	T	F
DSX3 Near End in Unavailable Signal State	dsx3 line status change	UnavailSigState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Carrier Equipment Out of Service	dsx3 line status change	NetEquipOOS	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 combination of bitmaps due to multiple failures	dsx3 line status change	MultipleFailures	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 No alarm present	dsx3 line status change	NoAlarm	Y	IPhysicalLayer	F	T	F	0	F	clr	F	T	F

Table 11-11 Cisco IOX V1 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Entity table configuration changed	Entity table configuration changed	Entity table configuration changed	N	IManagedElement	F	F	T	0	F	info	F	T	F
FR DLCI status invalid trap	fr dlci status change trap	fr dlci status invalid trap	N	IPortLayer1	T	F	F	0	F	maj	F	T	F
FR DLCI status inactive trap	fr dlci status change trap	fr dlci status inactive trap	N	IPortLayer1	T	F	F	0	F	maj	F	T	F
FR DLCI status active trap	fr dlci status change trap	fr dlci status active trap	N	IPortLayer1	T	F	F	0	F	clr	F	T	F

Cisco IOX V2 Trap Registry Parameters

Table 11-12 lists the associated event types, event subtypes, and Cisco ANA registry parameters for the Cisco IOX SNMP V2 traps shown in Table 11-5.

Table 11-12 Cisco IOX V2 Trap Registry Parameters

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto	Flapping
CBF File operation state indicator	cbf define file completion	cbf define file completion	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco BGP backward transition trap	cisco bgp trap	cisco bgp backward transition trap	N	IBgpNeighborEntry	F	T	F	0	F	info	F	T	T
Cisco BGP down trap	cisco bgp trap	cisco bgp down trap	N	IBgpNeighborEntry	F	T	T	0	F	maj	F	T	T
Cisco BGP established trap	cisco bgp trap	cisco bgp established trap	N	IBgpNeighborEntry	F	F	F	0	F	clr	F	T	T

Table 11-12 Cisco IOX V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto	Flapping
Cisco BGP prefix threshold exceeded	cisco bgp prefix threshold exceeded	cisco bgp prefix threshold exceeded	N	IProfileContainer (BGP)	F	T	F	0	F	wrn	T	T	T
Cisco BGP prefix threshold clear	cisco bgp prefix threshold exceeded	cisco bgp prefix threshold clear	N	IProfileContainer (BGP)	F	F	F	0	F	clr	F	T	T
Config-copy request completion	cc copy completion	cc copy completion	N	IManaged Element	F	F	F	0	F	info	F	T	F
cefc fan-tray oper status down	cefc fan tray status changed	cefc fan status down	physical-command	IModule	F	T	T	0	F	cri	T	T	T
cefc fan-tray oper status up	cefc fan tray status changed	cefc fan status up	physical-command	IModule	F	F	F	0	F	clr	F	T	T
cefc FRU inserted	cefc fru removed	cefc fru inserted	physical-command	IModule	F	F	F	0	F	clr	F	T	T
cefc FRU removed	cefc fru removed	cefc fru removed	physical-command	IModule	F	T	T	0	F	maj	T	T	T
cefc module oper status down	cefc module oper status changed	cefc module oper down	physical-command	IModule	F	T	T	0	F	maj	T	T	T
cefc module oper status up	cefc module oper status changed	cefc module oper up	physical-command	IModule	F	F	F	0	F	clr	F	T	T
cefc power status down	cefc power status changed	cefc power status down	physical-command	IModule	F	T	T	0	F	maj	T	T	T
cefc power status up	cefc power status changed	cefc power status up	physical-command	IModule	F	F	F	0	F	clr	F	T	T
cfh bundle link status down	cfh bundle link status notification	cfh bundle link status down	N	IManaged Element	F	F	F	0	F	maj	F	T	T
cfh bundle link status up	cfh bundle link status notification	cfh bundle link status up	N	IManaged Element	F	F	F	0	F	clr	F	T	T
cfh Fabric bundle operational state changed to Down	cfh bundle state notification	cfh bundle state down	N	IManaged Element	F	F	F	0	F	maj	F	T	T
cfh Fabric bundle operational state changed to Up	cfh bundle state notification	cfh bundle state up	N	IManaged Element	F	F	F	0	F	clr	F	T	T
cfh Fabric plane status down	cfh plane state notification	cfh plane status down	N	IManaged Element	F	F	F	0	F	maj	F	T	T

Table 11-12 Cisco IOX V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto	Flapping
cfh Fabric plane status up	cfh plane state notification	cfh plane status up	N	IManaged Element	F	F	F	0	F	clr	F	T	T
Cisco Configuration management event notification	cisco config man event	cisco config man event	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco flash copy failed	cisco flash copy completed	cisco flash copy failed	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco flash copy completion	cisco flash copy completed	cisco flash copy completed	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco flash copy in progress	cisco flash copy completed	cisco flash copy in progress	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco Flash device changed	cisco flash device changed	cisco flash device changed	N	IManaged Element	F	F	F	0	F	wrn	F	T	F
Cisco Flash device inserted	cisco flash device removed	cisco flash device inserted	N	IManaged Element	F	F	F	0	F	clr	F	T	T
Cisco Flash device removed	cisco flash device removed	cisco flash device removed	N	IManaged Element	F	F	F	0	F	wrn	F	T	T
Cisco Flash miscellaneous operation failed	cisco flash operation completed	cisco flash operation failed	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco Flash miscellaneous operation completed	cisco flash operation completed	cisco flash operation completed	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco Flash miscellaneous operation in progress	cisco flash operation completed	cisco flash operation in progress	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco ping completion	cisco ping completion	cisco ping completion	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco Sonet section status changed to error	sonet section status changed	sonet section status changed to error	N	IPortLayer 1	F	T	T	0	F	maj	F	T	T
Cisco Sonet section status changed to clear	sonet section status changed	sonet section status changed to clear	N	IPortLayer 1	F	F	F	0	F	clr	F	T	T
Cisco Sonet line status changed to error	sonet line status changed	sonet line status changed to error	N	IPortLayer 1	F	T	T	0	F	maj	F	T	T

Table 11-12 Cisco IOX V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto	Flapping
Cisco Sonet line status changed to clear	sonet line status changed	sonet line status changed to clear	N	IPortLayer 1	F	F	F	0	F	clr	F	T	T
Cisco Sonet path status changed to error	sonet path status changed	sonet path status changed to error	N	IPortLayer 1	F	T	T	0	F	maj	F	T	T
Cisco Sonet path status changed to clear	sonet path status changed	sonet path status changed to clear	N	IPortLayer 1	F	F	F	0	F	clr	F	T	T
Cisco syslog message generated	cisco syslog message generated	cisco syslog message generated	N	IManaged Element	F	T	F	0	F	info	F	T	F
Cisco PIM neighbor lost	cisco pim neighbor lost	cisco pim neighbor lost	N	IRoutingE ntry	F	T	T	0	F	info	T	T	T
sensor value crossed threshold in entSensorThresh oldTable	entity sensor threshold notification	entity sensor threshold notification	N	IManaged Element	F	F	F	0	F	maj	T	T	T
RTT threshold violation or clearance	rtt threshold violation or clearance	rtt threshold violation or clearance	N	IManaged Element	F	F	F	0	F	info	T	T	F
Pseudo wire tunnel up	pseudo wire tunnel traps	Pseudo wire tunnel up	ce-pw-tunn el-status-sn mp, ce-vfi-statu s-telnet	IPTPLayer 2MplsTun nel	F	F	F	0	F	clr	F	T	T
Pseudo wire tunnel down	pseudo wire tunnel traps	Pseudo wire tunnel down	ce-pw-tunn el-status-sn mp, ce-vfi-statu s-telnet	IPTPLayer 2MplsTun nel	F	T	F	0	F	min	T	T	T
Cisco RF Swap Status - Unsupported	cisco RF swap notification trap	cisco RF status is unsupported	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco RF Swap Status - None	cisco RF swap notification trap	cisco RF status is none	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco RF Swap Status - Not Known	cisco RF swap notification trap	cisco RF status is notknown	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco RF Swap Status - UserInitiated	cisco RF swap notification trap	cisco RF status is userInitiated	N	IManaged Element	F	F	F	0	F	info	F	T	F

Table 11-12 Cisco IOX V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto	Flapping
Cisco RF Swap Status - UserForced	cisco RF swap notification trap	cisco RF status is userForced	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco RF Swap Status - ActiveUnitFailed	cisco RF swap notification trap	cisco RF status is activeUnitFailed	N	IManaged Element	F	F	F	0	F	info	F	T	F
Cisco RF Swap Status - ActiveUnitRemoved	cisco RF swap notification trap	cisco RF status is activeUnitRemoved	N	IManaged Element	F	F	F	0	F	info	F	T	F
cefc FRU inserted with unsupported product ID	cefc unrecognized fru inserted	cefc unrecognized fru inserted	N	IModule	F	T	F	0	F	info	T	T	F
cefc Power supply output capacity changed	cefc power supply output changed	cefc power supply output changed	N	IModule	F	T	F	0	F	info	T	T	F
RTT Connection Change	RTT Connection Change	RTT Connection Change	N	IManaged Element	F	F	F	0	F	info	T	T	F
RTT Operation Timeout	RTT Operation Timeout	RTT Operation Timeout	N	IManaged Element	F	F	F	0	F	info	T	T	F
RTT Operation Threshold Violation	RTT Operation Threshold Violation	RTT Operation Threshold Violation	N	IManaged Element	F	F	F	0	F	info	T	T	F
RTT Verify Error	RTT Verify Error	RTT Verify Error	N	IManaged Element	F	F	F	0	F	info	T	T	F
RTT threshold violation or clearance	rtt threshold violation or clearance	rtt threshold violation or clearance	N	IManaged Element	F	F	F	0	F	info	T	T	F
RTT Lpd Discovery	RTT Lpd Discovery	RTT Lpd Discovery	N	IManaged Element	F	F	F	0	F	info	T	T	F
RTT Lpd Grp Status	RTT Lpd Grp Status	RTT Lpd Grp Status	N	IManaged Element	F	F	F	0	F	info	T	T	F
IPv6 BGP down trap	ipv6 bgp trap	ipv6 bgp down trap	N	IManaged Element	F	T	F	0	F	maj	F	T	T
ipv6 BGP FSM state changed trap	ipv6 bgp trap	ipv6 bgp state changed trap	N	IManaged Element	F	T	F	0	F	info	F	T	T
IPv6 BGP established trap	ipv6 bgp trap	ipv6 bgp established trap	N	IManaged Element	F	F	F	0	F	clr	F	T	T

Table 11-12 Cisco IOX V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto	Flapping
Connection Loss detected by ipsla icmp echo trap	ipsla echo connloss trap	connection loss detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla echo connloss trap	connection re-establish detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Timeout detected by ipsla icmp echo trap	ipsla ip or lsp echo timeout trap	timeout detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla ip or lsp echo timeout trap	connection re-establish detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Threshold crossing under trap	ipsla threshold notification trap	threshold crossing under trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Threshold crossing over trap	ipsla threshold notification trap	threshold crossing over trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Data corruption in rtt operation trap	ipsla threshold notification trap	data corruption in rtt operation trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Data corruption cleared in rtt operation trap	ipsla threshold notification trap	data corruption cleared in rtt operation trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
Connection Loss detected by ipsla icmp echo trap	ipsla echo connloss trap	connection loss detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection Loss detected by ipsla LSP icmp echo trap	ipsla echo connloss trap	connection loss detected by ipsla lsp icmp echo trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla echo connloss trap	connection re-establish detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F

Table 11-12 Cisco IOX V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto	Flapping
Connection re-establish detected by ipsla LSP icmp echo trap	ipsla echo connloss trap	connection re-establish detected by ipsla lsp icmp echo trap	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Timeout detected by ipsla icmp echo trap	ipsla echo timeout trap	timeout detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Timeout detected by ipsla LSP icmp echo trap	ipsla echo timeout trap	timeout detected by ipsla lsp icmp echo trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
Connection re-establish detected by ipsla icmp echo trap	ipsla echo timeout trap	connection re-establish detected by ipsla icmp echo trap	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
Connection re-establish detected by ipsla LSP icmp echo trap	ipsla echo timeout trap	connection re-establish detected by ipsla lsp icmp echo trap	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
RTT threshold crossing over trap	ipsla echo rtt trap	rtt threshold crossing over trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
RTT threshold crossing under trap	ipsla echo rtt trap	rtt threshold crossing under trap	N/A	ManagedElement	F	F	F	0	F	info	F	T	F
IPSLA LSP path discovery failure trap	ipsla lpd discovery trap	ipsla lsp path discovery failure trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
IPSLA LSP path rediscovery trap	ipsla lpd discovery trap	ipsla lsp path rediscovery trap	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
IPSLA LDP group status failure trap	ipsla lpd group status trap	ipsla ldp group status failure trap	N/A	ManagedElement	F	F	F	0	F	maj	T	T	F
IPSLA LDP group status restoration trap	ipsla lpd group status trap	ipsla ldp group status restoration trap	N/A	ManagedElement	F	F	F	0	F	clr	F	T	F
FRR Protected Trap	frr trigger trap	frr protected trap	N/A	PortLayer1	F	T	F	0	F	info	F	T	F
FRR Unprotected Trap	frr trigger trap	frr unprotected trap	N/A	PortLayer1	F	T	F	0	F	info	F	T	F

Table 11-12 Cisco IOX V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto	Flapping
Pseudo wire tunnel up	pseudo wire tunnel traps	Pseudo wire tunnel up	ce-pw-tunnel-status-snmp, ce-vfi-status-telnet	IPTPLayer2MplsTunnel	F	F	F	0	F	clr	F	T	T
Pseudo wire tunnel down	pseudo wire tunnel traps	Pseudo wire tunnel down	ce-pw-tunnel-status-snmp, ce-vfi-status-telnet	IPTPLayer2MplsTunnel	F	T	F	0	F	min	T	T	T
DSX1 Far end LOF	dsx1 line status change	RcvFarEndLOF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near end sending LOF Indication	dsx1 line status change	XmtFarEndLOF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Far end sending AIS	dsx1 line status change	RcvAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 Near end sending AIS	dsx1 line status change	XmtAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 Near end LOF	dsx1 line status change	LossOfFrame	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near end Loss of Signal	dsx1 line status change	LossOfSignal	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near end is looped	dsx1 line status change	LoopbackState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 E1 TS16 AIS	dsx1 line status change	T16AIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 Far End Sending TS16 LOMF	dsx1 line status change	RcvFarEndLOMF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near End Sending TS16 LOMF	dsx1 line status change	XmtFarEndLOMF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near End detects a test code	dsx1 line status change	RcvTestCode	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 any line status not defined here	dsx1 line status change	OtherFailure	Y	IPhysicalLayer	F	T	F	0	F	min	T	T	F
DSX1 Near End in Unavailable Signal State	dsx1 line status change	UnavailSigState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F

Table 11-12 Cisco IOX V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto	Flapping
DSX1 Carrier Equipment Out of Service	dsx1 line status change	NetEquipOOS	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 DS2 Payload AIS	dsx1 line status change	RcvPayloadAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 DS2 Performance Threshold Exceeded	dsx1 line status change	Ds2PerfThreshold	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 combination of bitmaps due to multiple failures	dsx1 line status change	MultipleFailures	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 No alarm present	dsx1 line status change	NoAlarm	Y	IPhysicalLayer	F	T	F	0	F	clr	F	T	F
DSX3 Receiving Yellow/Remote Alarm Indication	dsx3 line status change	RcvRAIFailure	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Transmitting Yellow/Remote Alarm Indication	dsx3 line status change	XmitRAIAlarm	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Receiving AIS failure state	dsx3 line status change	RcvAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX3 Transmitting AIS	dsx3 line status change	XmtAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX3 Receiving LOF failure state	dsx3 line status change	LossOfFrame	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Receiving LOS failure state	dsx3 line status change	LossOfSignal	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Looping the received signal	dsx3 line status change	LoopbackState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Receiving a Test Pattern	dsx3 line status change	RcvTestCode	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 any line status not defined here	dsx3 line status change	OtherFailure	Y	IPhysicalLayer	F	T	F	0	F	min	T	T	F
DSX3 Near End in Unavailable Signal State	dsx3 line status change	UnavailSigState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F

Table 11-12 Cisco IOX V2 Trap Registry Parameters (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto	Flapping
DSX3 Carrier Equipment Out of Service	dsx3 line status change	NetEquipOOS	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 combination of bitmaps due to multiple failures	dsx3 line status change	MultipleFailures	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 No alarm present	dsx3 line status change	NoAlarm	Y	IPhysicalLayer	F	T	F	0	F	clr	F	T	F
Entity table configuration changed	Entity table configuration changed	Entity table configuration changed	N	IManaged Element	F	F	T	0	F	info	F	T	F
FR DLCI status invalid trap	fr dlci status change trap	fr dlci status invalid trap	N	IPortLayer1	T	F	F	0	F	maj	F	T	F
FR DLCI status inactive trap	fr dlci status change trap	fr dlci status inactive trap	N	IPortLayer1	T	F	F	0	F	maj	F	T	F
FR DLCI status active trap	fr dlci status change trap	fr dlci status active trap	N	IPortLayer1	T	F	F	0	F	clr	F	T	F

Cisco MIB2 V1 Trap Registry Parameters

Table 11-13 lists the associated event types, event subtypes, and Cisco ANA registry parameters for the Cisco MIB2 SNMP V1 traps shown in Table 11-5.

Table 11-13 Cisco MIB2 V1 Trap Registry Parameter

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
dummy ticket trap	dummy ticket trap	dummy ticket trap	N	IManagedElement	F	F	F	0	F	clr	F		
SNMP Link down	snmp link down	snmp link down	ip interface oper status,ce-efp-status-telnet,port-status,basetech-lldp-neighbors-snmp,basetech-cdp-neighbors-snmp	IPhysicalLayer / Efp Oid	F	T	F	0	T	maj	F	T	T
SNMP Link up	snmp link down	snmp link up	ip interface oper status,ce-efp-status-telnet,port-status,basetech-lldp-neighbors-snmp,basetech-cdp-neighbors-snmp	IPhysicalLayer / Efp Oid	F	T	F	0	F	clr	F	T	T
DSX1 Far end LOF	dsx1 line status change	RcvFarEndLOF	Y	IPhysicalLayer	F	T	F	0	T	maj	T	T	F
DSX1 Near end sending LOF Indication	dsx1 line status change	XmtFarEndLOF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Far end sending AIS	dsx1 line status change	RcvAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 Near end sending AIS	dsx1 line status change	XmtAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 Near end LOF	dsx1 line status change	LossOfFrame	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F

Table 11-13 Cisco MIB2 V1 Trap Registry Parameter (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
DSX1 Near end Loss of Signal	dsx1 line status change	LossOfSignal	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near end is looped	dsx1 line status change	LoopbackState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 E1 TS16 AIS	dsx1 line status change	T16AIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 Far End Sending TS16 LOMF	dsx1 line status change	RcvFarEndLOMF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near End Sending TS16 LOMF	dsx1 line status change	XmtFarEndLOMF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near End detects a test code	dsx1 line status change	RcvTestCode	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 any line status not defined here	dsx1 line status change	OtherFailure	Y	IPhysicalLayer	F	T	F	0	F	min	T	T	F
DSX1 Near End in Unavailable Signal State	dsx1 line status change	UnavailSigState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Carrier Equipment Out of Service	dsx1 line status change	NetEquipOOS	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 DS2 Payload AIS	dsx1 line status change	RcvPayloadAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 DS2 Performance Threshold Exceeded	dsx1 line status change	Ds2PerfThreshold	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 combination of bitmaps due to multiple failures	dsx1 line status change	MultipleFailures	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 No alarm present	dsx1 line status change	NoAlarm	Y	IPhysicalLayer	F	T	F	0	F	clr	F	T	F

Table 11-13 Cisco MIB2 V1 Trap Registry Parameter (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
DSX3 Receiving Yellow/Remote Alarm Indication	dsx3 line status change	RcvRAIFailure	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Transmitting Yellow/Remote Alarm Indication	dsx3 line status change	XmitRAIAlarm	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Receiving AIS failure state	dsx3 line status change	RcvAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX3 Transmitting AIS	dsx3 line status change	XmtAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX3 Receiving LOF failure state	dsx3 line status change	LossOfFrame	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Receiving LOS failure state	dsx3 line status change	LossOfSignal	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Looping the received signal	dsx3 line status change	LoopbackState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Receiving a Test Pattern	dsx3 line status change	RcvTestCode	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 any line status not defined here	dsx3 line status change	OtherFailure	Y	IPhysicalLayer	F	T	F	0	F	min	T	T	F
DSX3 Near End in Unavailable Signal State	dsx3 line status change	UnavailSigState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Carrier Equipment Out of Service	dsx3 line status change	NetEquipOOS	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 combination of bitmaps due to multiple failures	dsx3 line status change	MultipleFailures	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F

Table 11-13 Cisco MIB2 V1 Trap Registry Parameter (continued)

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
DSX3 No alarm present	dsx3 line status change	NoAlarm	Y	IPhysicalLayer	F	T	F	0	F	clr	F	T	F
Entity table configuration changed	Entity table configuration changed	Entity table configuration changed	N	IManagedElement	F	F	T	0	F	info	F	T	F
FR DLCI status invalid trap	fr dlci status change trap	fr dlci status invalid trap	N	FREncapKey	T	F	F	0	F	maj	F	T	F
FR DLCI status inactive trap	fr dlci status change trap	fr dlci status inactive trap	N	FREncapKey	T	F	F	0	F	maj	F	T	F
FR DLCI status active trap	fr dlci status change trap	fr dlci status active trap	N	FREncapKey	T	F	F	0	F	clr	F	T	F

Cisco MIB2 V2 Trap Registry Parameters

Table 11-14 lists the associated event types, event subtypes, and Cisco ANA registry parameters for the Cisco MIB2 SNMP V2 traps shown in Table 11-7.

Table 11-14 Cisco MIB2 V2 Trap Registry Parameters

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
BGP down trap	bgp trap	bgp down trap	N	IBgpNeighborEntry	F	T	T	0	F	maj	F	T	T
BGP established trap	bgp trap	bgp established trap	N	IBgpNeighborEntry	F	F	F	0	F	clr	F	T	T
mte event set failure	cisco mte event set failure	cisco mte event set failure	N	IManagedElement	F	T	F	0	F	wrn	T	T	T

Table 11-14 Cisco MIB2 V2 Trap Registry Parameters

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
Cisco mte trigger falling	cisco mte trigger rising	cisco mte trigger falling	N	IManagedElement	F	F	F	0	F	clr	T	T	T
mte trigger fired	cisco mte trigger fired	cisco mte trigger fired	N	IManagedElement	F	T	F	0	F	info	T	T	T
Cisco mte trigger rising	cisco mte trigger rising	cisco mte trigger rising	N	IManagedElement	F	T	F	0	F	wrn	T	T	T
Entity table configuration changed	Entity table configuration changed	Entity table configuration changed	N	IManagedElement	F	F	T	0	F	info	F	T	F
Cold start trap	cold start trap	cold start trap	N	IManagedElement	F	F	T	190000	F	info	T	T	F
Warm start trap	warm start trap	warm start trap	N	IManagedElement	F	F	F	0	F	min	T	T	F
SNMP authentication failure	snmp authentication failure	snmp authentication failure	N	IManagedElement	F	T	F	0	F	info	F	T	F
SNMP Link down	snmp link down	snmp link down	ip interface oper status,ce-efp-status-telnet,port-status,basetech-lldp-neighbors-snmp,basetech-cdp-neighbors-snmp	IPhysicalLayer	F	T	T	0	T	maj	F	T	T
SNMP Link up	snmp link down	snmp link up	ip interface oper status,ce-efp-status-telnet,port-status,basetech-lldp-neighbors-snmp,basetech-cdp-neighbors-snmp	IPhysicalLayer	F	F	F	0	F	clr	F	T	T

Table 11-14 Cisco MIB2 V2 Trap Registry Parameters

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
ipv6 interface state changed	ipv6-if-state-changed	ipv6-if-state-changed	N	IManagedElement	F	F	F	0	T	min	F	T	F
OSPF interface state changed to Down	ospf if state down	ospf if state down	N	IIPInterface	F	T	T	0	F	info	F	T	T
OSPF interface state changed to Up	ospf if state down	ospf if state up	N	IIPInterface	F	F	F	0	F	clr	F	T	T
OSPF virtual interface state changed to Down	ospf virtual if state down	ospf virtual if state down	N	IProfileContainer (OSPF)	F	T	T	0	F	min	F	T	T
OSPF neighbor state down	ospf neighbor state down	ospf neighbor state down	N	IIPInterface	T	T	T	0	F	maj	T	T	T
OSPF neighbor state up	ospf neighbor state down	ospf neighbor state up	N	IIPInterface	F	F	F	0	F	clr	F	T	T
OSPF virtual neighbor state down	ospf-virtual-neighbor-state-changed	ospf-virtual-neighbor-state-down	N	IOspfEntry	T	T	T	0	F	min	T	T	T
OSPF virtual neighbor state up	ospf-virtual-neighbor-state-changed	ospf-virtual-neighbor-state-up	N	IOspfEntry	F	F	F	0	F	clr	F	T	T
OSPF interface configuration error	ospf-if-config-err	ospf-if-config-err	N	IIPInterface	F	T	F	0	F	wrn	T	T	F
OSPF virtual interface configuration error	ospf-virtual-if-config-err	ospf-virtual-if-config-err	N	IProfileContainer (OSPF)	F	T	F	0	F	min	F	T	F
OSPF interface authentication failure	ospf-if-authentic-fail	ospf-if-authentic-fail	N	IIPInterface	F	T	F	0	F	wrn	T	T	F
OSPF virtual interface authentication failure	ospf-virtual-if-authentic-fail	ospf-virtual-if-authentic-fail	N	IProfileContainer (OSPF)	F	T	F	0	F	wrn	T	T	F
OSPF bad packet received	ospf-if-bad-packet	ospf-if-bad-packet	N	IIPInterface	F	T	F	0	T	min	F	T	F
OSPF bad packet received on virtual interface	ospf-virtual-if-bad-packet	ospf-virtual-if-bad-packet	N	IProfileContainer (OSPF)	F	T	F	0	T	min	F	T	F

Table 11-14 Cisco MIB2 V2 Trap Registry Parameters

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
OSPF packet retransmitted	ospf-if-packet-retransmit	ospf-if-packet-retransmit	N	IProfileContainer (OSPF)	F	T	F	0	T	min	F	T	F
OSPF packet retransmitted on virtual interface	ospf-virtual-if-packet-retransmit	ospf-virtual-if-packet-retransmit	N	IProfileContainer (OSPF)	F	T	F	0	T	min	F	T	F
OSPF new LSA originated	ospf-new-lsa-originated	ospf-new-lsa-originated	N	IProfileContainer (OSPF)	F	T	F	0	T	min	F	T	F
OSPF LSA aged to MaxAge	ospf-lsa-reached-maxage	ospf-lsa-reached-maxage	N	IManagedElement	F	F	F	0	F	info	F	T	F
mpls l3 vpn numvrf routemax thresh cleared Trap	mpls l3 vpn vrf routemid thresh exceeded	mpls l3 vpn numvrf routemax thresh cleared	N	IVrf	F	T	F	0	F	clr	F	T	F
mpls l3 vpn vrf Down Trap	mpls l3 vpn vrf Down	mpls l3 vpn vrf Down	N	IVrf	T	T	F	0	F	maj	T	T	F
mpls l3 vpn vrf numvrf routemax thresh exceeded Trap	mpls l3 vpn vrf routemid thresh exceeded	mpls l3 vpn vrf numvrf routemax thresh exceeded	N	IVrf	F	T	F	0	F	wrn	F	T	F
mpls l3 vpn vrf routemid thresh exceeded Trap	mpls l3 vpn vrf routemid thresh exceeded	mpls l3 vpn vrf routemid thresh exceeded	N	IVrf	F	T	F	0	F	wrn	F	T	F
mpls l3 vpn vrf Up Trap	mpls l3 vpn vrf Down	mpls l3 vpn vrf Up	N	IVrf	F	T	F	0	F	clr	F	T	F
MPLS LDP init session threshold exceeded Trap	mpls ldp session down	mpls ldp init session thresh exceeded	mpls interfaces + label switching table	IPortLayer1	F	T	F	0	F	wrn	F	T	T
MPLS LDP session down Trap	mpls ldp session down	mpls ldp session down	mpls interfaces + label switching table	IPortLayer1	T	T	T	0	F	min	T	T	T

Table 11-14 Cisco MIB2 V2 Trap Registry Parameters

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
MPLS LDP session up Trap	mpls ldp session down	mpls ldp session up	mpls interfaces + label switching table	IPortLayer 1	F	T	F	0	F	clr	F	T	T
MPLS-TE tunnel rerouted trap	mpls te tunnel rerouted trap	mpls te tunnel rerouted trap	N	IMplsTETunnel	F	T	F	0	F	info	T	T	T
MPLS-TE tunnel reoptimized trap	mpls te tunnel reoptimized trap	mpls te tunnel reoptimized trap	N	IMplsTETunnel	F	T	F	0	F	info	F	T	T
MPLS-TE tunnel down	mpls te tunnel down	mpls te tunnel down	Y	IMplsTETunnel	T	T	T	800	F	maj	T	T	T
MPLS-TE tunnel up	mpls te tunnel down	mpls te tunnel up	Y	IMplsTETunnel	F	F	F	0	F	clr	F	T	T
DSX1 Far end LOF	dsx1 line status change	RcvFarEndLOF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near end sending LOF Indication	dsx1 line status change	XmtFarEndLOF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Far end sending AIS	dsx1 line status change	RcvAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 Near end sending AIS	dsx1 line status change	XmtAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 Near end LOF	dsx1 line status change	LossOfFrame	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near end Loss of Signal	dsx1 line status change	LossOfSignal	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near end is looped	dsx1 line status change	LoopbackState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 E1 TS16 AIS	dsx1 line status change	T16AIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 Far End Sending TS16 LOMF	dsx1 line status change	RcvFarEndLOMF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Near End Sending TS16 LOMF	dsx1 line status change	XmtFarEndLOMF	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F

Table 11-14 Cisco MIB2 V2 Trap Registry Parameters

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
DSX1 Near End detects a test code	dsx1 line status change	RcvTestCode	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 any line status not defined here	dsx1 line status change	OtherFailure	Y	IPhysicalLayer	F	T	F	0	F	min	T	T	F
DSX1 Near End in Unavailable Signal State	dsx1 line status change	UnavailSigState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 Carrier Equipment Out of Service	dsx1 line status change	NetEquipOOS	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 DS2 Payload AIS	dsx1 line status change	RcvPayloadAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX1 DS2 Performance Threshold Exceeded	dsx1 line status change	Ds2PerfThreshold	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 combination of bitmaps due to multiple failures	dsx1 line status change	MultipleFailures	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX1 No alarm present	dsx1 line status change	NoAlarm	Y	IPhysicalLayer	F	T	F	0	F	clr	F	T	F
DSX3 Receiving Yellow/Remote Alarm Indication	dsx3 line status change	RcvRAIFailure	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Transmitting Yellow/Remote Alarm Indication	dsx3 line status change	XmitRAIAlarm	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Receiving AIS failure state	dsx3 line status change	RcvAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX3 Transmitting AIS	dsx3 line status change	XmtAIS	Y	IPhysicalLayer	F	T	F	0	F	wrn	T	T	F
DSX3 Receiving LOF failure state	dsx3 line status change	LossOfFrame	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Receiving LOS failure state	dsx3 line status change	LossOfSignal	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Looping the received signal	dsx3 line status change	LoopbackState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F

Table 11-14 Cisco MIB2 V2 Trap Registry Parameters

Short Description	Event Type	Event Subtype	Expedites Polling	Event Source (IMO Name)	Activate Flow	Correlate	Is Correlation Allowed	Weight	Auto Clear	Severity	Is Ticketable	Auto Remove	Flapping
DSX3 Receiving a Test Pattern	dsx3 line status change	RcvTestCode	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 any line status not defined here	dsx3 line status change	OtherFailure	Y	IPhysicalLayer	F	T	F	0	F	min	T	T	F
DSX3 Near End in Unavailable Signal State	dsx3 line status change	UnavailSigState	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 Carrier Equipment Out of Service	dsx3 line status change	NetEquipOOS	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 combination of bitmaps due to multiple failures	dsx3 line status change	MultipleFailures	Y	IPhysicalLayer	F	T	F	0	F	maj	T	T	F
DSX3 No alarm present	dsx3 line status change	NoAlarm	Y	IPhysicalLayer	F	T	F	0	F	clr	F	T	F
FR DLCI status invalid trap	fr dlci status change trap	fr dlci status invalid trap	N	FREncapKey	T	F	F	0	F	maj	F	T	F
FR DLCI status inactive trap	fr dlci status change trap	fr dlci status inactive trap	N	FREncapKey	T	F	F	0	F	maj	F	T	F
FR DLCI status active trap	fr dlci status change trap	fr dlci status active trap	N	FREncapKey	T	F	F	0	F	clr	F	T	F