

Message and Recovery Procedures

This chapter lists the switch system messages by facility. Within each facility, the messages are listed by severity levels 0 to 7: 0 is the highest severity level, and 7 is the lowest severity level. Each message is followed by an explanation and a recommended action.

Note The messages listed in this chapter do not include the date/time stamp designation; the date/time stamp designation is displayed only if the software is configured for system log messaging.

Cisco Discovery Protocol Messages

This section contains the Cisco Discovery Protocol (CDP) messages.

CDP-3-SENDFAIL: Transmit failure on port [dec]/[dec]

Explanation This message indicates a transmit failure occurred on port [dec]/[dec]; [dec]/[dec] is the module number/port number.

Recommended Action Contact your technical support representative.

CDP-4-NVLANMISMATCH: Native vlan mismatch detected on port [dec]/[dec]

Explanation This message indicates that the native VLAN is different from the one set on at least one of the neighboring ports; [dec]/[dec] is the module number/port number of the offending port.

Recommended Action Check the native VLAN settings. If the VLAN configuration does not match, set it appropriately. If no apparent mismatch is found, contact your technical support representative.

CDP-4-DUPLEXMISMATCH: Full/half duplex mismatch detected on port [dec]/[dec]

Explanation This message indicates that the duplex configuration of an Ethernet port is different from the configuration set on at least one of the neighboring ports; [dec]/[dec] is the module number/port number.

Recommended Action Check the duplex settings. If the duplex configuration does not match, set it appropriately. If no apparent mismatch is found, contact your technical support representative.

CDP-7-PKTDROP: Packet dropped as CDP is disabled on port [dec]/[dec]

Explanation This message indicates a packet dropped as CDP was disabled on port [dec]/[dec]; [dec]/[dec] is the module number/port number.

Recommended Action Check the CDP port status; if the port is disabled, enable it; if the port is enabled, contact your technical support representative.

Dual Ring Protocol Messages

This section contains the Catalyst 5000 series switch Dual Ring Protocol (DRiP) messages.

DRIP-3-DRIPALRINIT: Drip Already Initialized

Explanation This message indicates that DRiP was previously enabled and initialized and that a software module requested a reinitialization of the database.

Recommended Action Contact your technical support representative.

DRIP-3-DRIPALRSHUT: Drip Already Shutdown

Explanation This message indicates that DRiP was previously shut down and that a software module has requested another shutdown.

Recommended Action Contact your technical support representative.

DRIP-3-DRIPOUTRANGE: Vlanid [dec] out of range. MAC [chars]

Explanation This message indicates that the DRiP database received a request to enter a vlanid [dec] that is out of range; [dec] is the VLAN number and [chars] is the MAC address.

Recommended Action Document the Vlanid [dec] and the MAC address [chars] and contact your technical support representative.

DRIP-3-DRIPNOLCLBOX: No Local Box. Vlanid [dec], MAC [chars]

Explanation This message indicates that the DRiP database was called, but no entry exists for the local MAC address and VLAN; [dec] is the VLAN number and [chars] is the MAC address.

Recommended Action Contact your technical support representative.

DRIP-3-DRIPNOMAC: No Mac [chars] Match. Vlanid [dec]

Explanation This message indicates the DRiP database was called, but no entry exists for this MAC address on the VLAN; [chars] is the MAC address and [dec] is the VLAN number.

Recommended Action Contact your technical support representative.

DRIP-3-DRIPNOVLAN: No Vlanid [dec] Match. MAC [chars]

Explanation This message indicates that the DRiP database was called, but no entry exists for the VLAN for this switch; [dec] is the VLAN number and [chars] is the switch name.

Recommended Action Contact your technical support representative.

DRIP-3-DRIPINVCHG: Invalid Change Request. Status [hex]

Explanation This message indicates that the DRiP database was called to update the database for status byte [hex], which is invalid; [hex] is the status byte.

Recommended Action Contact your technical support representative.

DRIP-3-DRIPCOREERROR: Drip Core Error

Explanation This message indicates that the DRiP code has detected an internal error, and it is an unreliable process at this point.

Recommended Action Execute the **show drip statistics** command and provide the information to your technical support representative.

DRIP-3-DRIPCONFMAC2: LOC: [chars], REM: [chars]

Explanation This message precedes each DRiP-3 level conflict message (for example, Invalid Change Request. Status [hex]); the first [chars] is the MAC address for the local switch and the second [chars] is the MAC address for the remote switch.

Recommended Action This message is provided for information only.

DRIP-4-DRIPCONFLICTCON: Vlanid [dec] Configuration conflict

Explanation This message indicates that a Token Ring Concentrator Relay Function (TrCRF) VLAN has ports assigned on multiple switches that distribute the Concentrator Relay Function (CRF) VLAN; [dec] is the VLAN number. Port assignments are allowed only on a single switch for this VLAN.

Recommended Action Reassign ports for this VLAN only to one switch. If this message reappears, contact your technical support representative.

DRIP-4-DRIPCONFLICTACT: Vlanid [dec] Active Conflict. Status [hex]

Explanation This message indicates that a TrCRF VLAN has ports assigned and active on multiple switches that distribute the CRF VLAN; [dec] is the VLAN number and [hex] is the returned status. The DRiP database has an invalid status indication for this VLAN.

Recommended Action Contact your technical support representative.

DRIP-4-DRIPCONFLICTCONACT: Vlanid [dec] Configuration/Active Conflict

Explanation This message indicates that a TRCRF VLAN has ports assigned and active on multiple switches that distribute the CRF VLAN; [dec] is the VLAN ID number. Port assignments are allowed only on a single switch for this VLAN.

Recommended Action Reassign ports for this VLAN to one switch. If this message reappears, contact your technical support representative.

DRIP-4-DRIPCONFMAC1: LOC: [chars], REM: [chars]

Explanation This message precedes each DRiP-4 level conflict message (for example, Configuration conflict on vlan [dec]); the first [chars] is the MAC address for the local switch, and the second [chars] is the MAC address for the remote switch.

Recommended Action This message is provided for information only.

DRIP-5-DRIPFAILSCP: SCP Failure

Explanation This message indicates that DRiP tried to send a Serial Communications Protocol (SCP) message to a module and failed.

Recommended Action Contact your technical support representative.

Dynamic Trunking Protocol Messages

This section contains the Dynamic Trunking Protocol (DTP) messages.

DTP-1-ILGLCFG: Illegal config (on, isl--on,dot1q) on Port [dec]/[dec]

Explanation This message indicates that one end of the trunk is configured as ON, ISL and the other end is configured ON, dot1q; [dec]/[dec] is the module number/port number where the syslog message is printed.

Recommended Action This is an illegal configuration and you must change the encapsulation type so that both ends of the trunk match.

DTP-3-TRUNKPORTFAIL: Port [dec]/[chars] failed to become trunk

Explanation This message indicates that the port [dec]/[chars] failed to become trunked; [dec]/[chars] is the module number/port range.

Recommended Action Perform these steps, retrying the connection after each step:

- Step 1** Check the total memory available. If the total memory is close to 0, this might be the cause of the failure; contact your technical support representative. If total memory available is not close to 0, proceed to the next step.
- Step 2** Check the status of the Serial Communications Protocol (SCP); observe the count field. If the count rises, this might be the cause of the failure; contact your technical support representative. If the count does not rise, contact your technical support representative.

DTP-3-NONTRUNKPORTFAIL: Port [dec]/[chars] failed to become non-trunk

Explanation This message indicates that the port [dec]/[chars] failed to become nontrunked; [dec]/[chars] is the module number/port range.

Recommended Action Perform these steps, retrying the connection after each step:

- Step 1** Check the total memory available. If the total memory is close to 0, this might be the cause of the failure; contact your technical support representative. If the total memory available is not close to 0, proceed to the next step.
- Step 2** Check the status of the SCP; observe the count field. Repeat several times. If the count rises, this might be the cause of the failure; contact your technical support representative. If the count does not rise, contact your technical support representative.

DTP-5-TRUNKPORTON: Port [dec]/[chars] has become trunk

Explanation This message indicates that the port [dec]/[chars] is trunked; [dec]/[chars] is the module number/port range.

Recommended Action This message is provided for information only.

DTP-5-NONTRUNKPORTON: Port [dec]/[chars] has become non-trunk

Explanation This message indicates the port [dec]/[chars] is nontrunked; [dec]/[chars] is the module number/port range.

Recommended Action This message is provided for information only.

DTP-5-TRUNKPORTCHG: Port [dec]/[chars] has changed from [chars] trunk to [chars] trunk.

Explanation This message indicates that the encapsulation type of the trunk has changed. [dec] is the port number, the first [chars] is the port number, the second [chars] is the original encapsulation type, and the third [chars] is the new encapsulation type.

Recommended Action This message is provided for information only.

Dynamic Trunking Protocol Messages

DTP-7-PORTLINKUP: Port [dec]/[chars] Link up

Explanation This message indicates that DTP detects a link-up for port [dec]/[chars]; [dec]/[chars] is the module number/port range.

Recommended Action Contact your technical support representative.

DTP-7-PORTLINKDOWN: Port [dec]/[chars] Link down

Explanation This message indicates that DTP detects a broken link for port [dec]/[chars]; [dec]/[chars] is the module number/port range.

Recommended Action Contact your technical support representative.

DTP-7-SYNCUPMSG: Port [dec]/[dec] recd [chars] from 2.2x4.4x

Explanation This message displays the DTP status received by port [dec]/[dec] and the MAC address of the neighbor port; [dec][dec] is the module number/port number, and recd [chars] is the received status.

Recommended Action Contact your technical support representative.

DTP-7-NODTP: Port [dec]/[dec] not recd DTP packet for 5m.

Explanation This message indicates that the port [dec]/[dec] is nontrunking because it has not received any DTP packet from its neighbor port for five minutes; [dec][dec] is the module number/port number.

Recommended Action Contact your technical support representative.

DTP-7-MULTIDROP: Port [dec]/[dec] detected multiple neighbors.

Explanation This message indicates that a trunk has detected multiple neighbors (shared environment). DTP turns off trunking to that port. [dec]/[dec] is the module number/port number.

Recommended Action No action is necessary if you want the port to be nontrunking.

Dynamic Virtual LAN Messages

This section contains the switch Dynamic VLAN (DVLAN) messages.

DVLAN-1-SHUTDOWNPORT1: Port [dec]/[chars] shutdown by VMPS

Explanation This message indicates that the VLAN Membership Policy Server (VMPS) detects an unknown MAC address on port [dec]/[chars] and shuts down the port; [dec]/[chars] is the module number/port range.

Recommended Action Remove the unknown host and enable the port. Retry the operation. If this message reappears, contact your technical support representative.

DVLAN-1-SHUTDOWNPORT2: Port [dec]/[chars] shutdown by EARL failure

Explanation This message indicates that a dynamic EARL entry for a new host cannot be set in EARL because all four pages for the hashed index are full; [dec]/[chars] is the module number/port range.

Recommended Action Enable the port and retry operation. If this message reappears, contact your technical support representative.

DVLAN-1-SHUTDOWNPORT3: Port [dec]/[chars] shutdown by active host limit

Explanation This message indicates that more than 50 active hosts are detected on a dynamic port; [dec]/[chars] is the module number/port range.

Recommended Action Reduce the active hosts. Enable the port and retry the operation. If this message reappears, contact your technical support representative.

DVLAN-1-DENYHOST: Host [chars] denied on port [dec]/[chars]

Explanation This message indicates that the VMPS sent a response to deny connectivity to the host; [chars] is the host's MAC address, and [dec]/[chars] is the module number/port range.

Recommended Action Check the VMPS database to see why it is denied. If the database information is correct, contact your technical support representative.

Dynamic Virtual LAN Messages

DVLAN-1-DENYHOSTVLAN: Host [chars] denied on port [dec]/[chars] by inactive vlan

Explanation This message indicates that the VLAN assigned by the VMPS is not active in the switch; [chars] is the host's MAC address, and [dec]/[chars] is the module number/port range.

Recommended Action Make sure that the VLAN is active and retry the operation. If this message reappears, contact your technical support representative.

DVLAN-1-NOVMPS: VMPS address not configured

Explanation This message indicates that the VMPS server address has not been configured.

Recommended Action Configure the VMPS server address. If this message reappears, contact your technical support representative.

DVLAN-3-SOCKFAIL: Failed to open socket for DVLAN

Explanation This message indicates that a failure to open a socket for DVLAN has occurred.

Recommended Action Set all the dynamic ports to static, and then try to set them back to dynamic. If unsuccessful, contact your technical support representative.

DVLAN-3-BINDFAIL: Failed to bind DVLAN socket

Explanation This message indicates that a failure to bind DVLAN socket has occurred.

Recommended Action Set all the dynamic ports to static, and then try to set them back to dynamic. If unsuccessful, contact your technical support representative.

DVLAN-3-SENDERFAIL: Failed (err = [dec]) to send query to VMPS [chars]

Explanation This message indicates that a failure to send a query to the VMPS has occurred; [dec] is the error number and [chars] is the VMPS address.

Recommended Action Contact your technical support representative about the error number displayed in the message.

DVLAN-3-RECEIVEFAIL: Failed (err = [dec]) to receive response from VMPS [chars]

Explanation This message indicates that a failure to receive a response from the VMPS has occurred; [dec] is the error number and [chars] is the VMPS server address.

Recommended Action Contact your technical support representative about the error number displayed in the message.

DVLAN-3-TRAPDIAGFAIL: EARL trap diag failed on supervisor module

Explanation This message indicates that the EARL trap diagnostics have failed. If the EARL trap diagnostics have failed, you cannot set the ports to dynamic.

Recommended Action Enter the **show test** command to check for trap failures. Reset the system. If this message reappears, contact your technical support representative.

DVLAN-3-TRAPUNSUPPORTED: EARL trap not supported in supervisor module

Explanation This message indicates that an older supervisor engine was installed (hardware version 1.3 or lower) that does not support the trap feature in EARL. You cannot set the ports to dynamic in these modules.

Recommended Action Contact your technical support representative.

DVLAN-3-VERSIONINVALID: Invalid-Version opcode in response

Explanation This message indicates that the VMPS response has an invalid version number. The VMPS version is 1.

Recommended Action Contact your technical support representative.

DVLAN-3-DOMAININVALID: Invalid-Management-Domain opcode in response

Explanation This message indicates that the management domain name in the VMPS response does not match the VLAN Trunking Protocol (VTP) domain name set in the system.

Recommended Action Correct the domain name either in the database or in the system.

Dynamic Virtual LAN Messages

DVLAN-3-VLANINVALID: Invalid VLAN ID ([chars]) in response

Explanation This message indicates that the VLAN name in the VMPS response is not available in the system; ([chars]) is the VLAN name.

Recommended Action Create a VLAN with the proper VLAN name.

DVLAN-3-NORESOURCE: No-Resource opcode in response

Explanation This message indicates that the VMPS responds with no resource.

Recommended Action Contact your technical support representative.

DVLAN-3-NOVLAN: Response has no VLAN ID

Explanation This message indicates that the VMPS response has no VLAN name.

Recommended Action Check the VMPS server, and then contact your technical support representative.

DVLAN-3-NOCOOKIE: Response has no Cookie

Explanation This message indicates that the VMPS response has no Cookie.

Recommended Action Check the VMPS server, and then contact your technical support representative.

DVLAN-4-NODYNPORT: No dynamic ports configured

Explanation This message indicates that a **reconfirm VMPS** command was executed, and no dynamic ports were configured.

Recommended Action No action is necessary.

DVLAN-4-NOHOST: No host on dynamic ports

Explanation This message indicates that the **reconfirm VMPS** command was executed, and no active host is connected to the dynamic ports.

Recommended Action No action is necessary.

DVLAN-6-MOVEDHOST: Host [chars] moved from static to dynamic port [dec]/[chars]

Explanation This message indicates that the host with the MAC address [chars] has moved from a static port to a dynamic port; [chars] is the host MAC address and [dec]/[chars] is the changed port module number/port number.

Recommended Action This message is provided for information only.

DVLAN-7-ASSIGNVLAN: VLAN [dec] assigned to Port [dec]/[chars]

Explanation This message appears only during debugging. This message indicates that a VLAN was assigned to a dynamic port; [dec] is the VLAN number and [dec]/[chars] is the module number/port range.

Recommended Action No action is necessary.

DVLAN-7-PRIMARYVMPS: Primary VMPS [chars] is alive

Explanation This message appears only during debugging. This message indicates that the switch can talk to the VMPS server; [chars] is the name of the server.

Recommended Action No action is necessary.

Enhanced Address Recognition Logic Messages

This section contains the Enhanced Address Recognition Logic (EARL) messages.

EARL-2: EARL4LOOKUPRAMERROR: AddrESS [hex], data [hex]-[hex]-[HEX]-[HEX], COUNT [dec]

Explanation This message indicates that a look-up RAM parity error has been detected. The address [hex] field is the address in the forwarding table where the error was detected; the data [hex] [hex] [HEX] [HEX] field is the word0, word1, word2, and word3 of RAM data that generated the parity error, and the count [dec] field is the total number of parity errors.

Recommended Action Contact your technical support representative.

Enhanced Address Recognition Logic Messages

EARL-3-EARLDELETE: Earl delete error

Explanation An attempt to delete an EARL entry failed.

Recommended Action Contact your technical support representative.

EARL-3-BADCOLOR: Bad color [dec] read from [hex] for a [chars] entry

Explanation This message indicates that the system has learned a MAC address on an invalid VLAN; [dec] is the VLAN number, [hex] is the location, and [chars] is either the message static or dynamic.

Recommended Action This message is provided for information only.

EARL-3-DELETEVLANTIMER: Failure to remove timer [dec] from vlan [dec]

Explanation This message indicates that the EARL cannot remove the aging timer for this VLAN; timer [dec] is the timer number, and vlan [dec] is the VLAN number.

Recommended Action Contact your technical support representative.

EARL-3-SETVLANTIMER: Failure to set timer [dec] from vlan [dec]

Explanation This message indicates that the EARL cannot set the aging timer for this VLAN; timer [dec] is the timer number, and vlan [dec] is the VLAN number.

Recommended Action Contact your technical support representative.

EARL-3-LTL: Failure to set LTL for module [dec]

Explanation This message indicates that the EARL cannot program the LTL of the module; [dec] is the module number.

Recommended Action Contact your technical support representative.

FILESYS Messages

This section contains the Flash file system (FILESYS) messages.

FILESYS-1-PC_INSERT: PCMCIA flash card inserted into [chars]

Explanation This message indicates that a Flash card was inserted into [chars]; [chars] is *slot0* or *slot1*.

Recommended Action This message is provided for information only.

FILESYS-1-PC_REMOVE: PCMCIA flash card removed from [chars]

Explanation This message indicates that a Flash card was removed from [chars]; [chars] is *slot0* or *slot1*.

Recommended Action This message is provided for information only.

FILESYS-1-BT_REFMT: Bootflash size mismatch with file system

Explanation This message indicates that there was a bootflash file system configuration error.

Recommended Action Format the bootflash.

IP Permit List Messages

This section contains the IP Permit List messages.

IP-4-PERMITFAIL: Unauthorized [chars] access attempt from [chars]

Explanation This message indicates that an unauthorized access was attempted; the first [chars] is the access type, currently Telnet or SNMP, and the second [chars] is the IP address where the unauthorized attempt was made.

Recommended Action Retry access. If this message reappears, contact your technical support representative.

Kernel Messages

This section contains the Kernel messages.

Note KERNEL messages do not indicate a problem with system performance but should be reported to your technical support representative.

KERNEL-0-SLEEPFROMINT: sleep() called from Interrupt context

Explanation This is a debug message for Cisco development purposes.

Recommended Action Contact your technical support representative.

KERNEL-0-SLEEPFROMKER: sleep() called from Kernel context

Explanation This is a debug message for Cisco development purposes.

Recommended Action Contact your technical support representative.

KERNEL-1-CHECKSTACK: stk-alrt [chars],sp: %08x size: 0x%04x

Explanation This is a debug message for Cisco development purposes; [chars] is the stk-alrt message.

Recommended Action Contact your technical support representative.

KERNEL-4-YLDCPUFROMKER: yield_cpu() called from Kernel context

Explanation This is a debug message for Cisco development purposes.

Recommended Action Contact your technical support representative.

KERNEL-4-PDELAYFROMKER: pdelay () called from Kernel context

Explanation This message indicates that a function is calling a kernel utility from the kernel context.

Recommended Action Call your technical support representative.

KERNEL-5-UNALIGNACCESS: Alignment correction made at 0x%08X
[chars]ing 0x%08X

Explanation This is a debug message for Cisco development purposes.

Recommended Action Ignore this message.

Multicast Snooping Messages

This section contains the Cisco Group Management Protocol (CGMP)/Internet Group Management Protocol (IGMP) messages.

MCAST-2-MAXGDALIMIT: No. of Multicast entries has reached the max
[dec]

Explanation This message indicates that the number of multicast entries has reached the maximum limit; [dec] is 3072, the maximum number of multicast entries. No new entries will be created.

Recommended Action Make sure no more than 3072 groups are used. Contact your technical support representative.

Multicast Snooping Messages

MCAST-2-IGMP_ADDRAL: IGMP: Address Aliasing for [chars]

Explanation This message indicates that the NMP detects a multicast data stream that is being aliased to a special multicast address; [chars] is one of the following multicast addresses causing the aliasing to occur:

01-00-5e-00-00-01
01-00-5e-00-00-04
01-00-5e-00-00-05
01-00-5e-00-00-06
01-00-5e-00-00-0d

Recommended Action Check and isolate the host that is generating this type of multicast traffic. Verify which address is getting aliased; try not to use it for the multicast data feed.

MCAST-2-IGMP_FALLBACK: IGMP: Running in FALL BACK mode

Explanation This message indicates that the NMP detects a multicast data stream that disabled the protocol redirection escape logic and is aliased to one of the following special multicast addresses:

01-00-5e-00-00-01
01-00-5e-00-00-04
01-00-5e-00-00-05
01-00-5e-00-00-06
01-00-5e-00-00-0d

Recommended Action Check and isolate the host that is generating this type of multicast traffic. Verify which address is getting aliased; try not to use this address for the multicast data feed.

MCAST-2-IGMP_FALLBACKPERM: IGMP: Changed to FALL BACK permanently

Explanation This message indicates that the NMP detects a multicast stream that disabled the protocol redirection escape logic and is aliased to one of the following special multicast addresses:

01-00-5e-00-00-01

01-00-5e-00-00-04

01-00-5e-00-00-05

01-00-5e-00-00-06

01-00-5e-00-00-0d

Recommended Action Check and isolate the host that is generating this type of multicast traffic. Reset the switch, or disable and reenable the IGMP snooping feature.

MCAST-4-RX_JNRANGE: IGMP: Rcvd Report in the range of
01-00-5e-00-00-xx

Explanation This message indicates that the switch received an IGMP report from a host for the group address in the range of 01-00-5e-00-00-xx. This range is used normally for control packets and should not be used for general multicast data traffic.

Recommended Action Contact your technical support representative.

MCAST-4-RX_LVRANGE: IGMP: Rcvd Leave in the range of
0-00-5e-00-00-xx

Explanation This message indicates that the switch received an IGMP leave from a host for the group address in the range of 01-00-5e-00-00-xx. This range is used normally for control packets and should not be used for general multicast data traffic.

Recommended Action Contact your technical support representative.

Multicast Snooping Messages

MCAST-4-RTRDEL_TIMEOUT: Deleting Router Port [dec/dec] in vlan [dec]
- Timeout

Explanation This message indicates that the router port timer has timed out and the router port entry has been removed; [dec/dec] is the router module number/port number, and [dec] is the VLAN number. This problem might be caused by the switch not receiving any router-specific packets (IGMP general queries, PIMV1 queries, DVMRP probes, PIMV2 hellos, or MOSPF hellos).

Recommended Action Check if a router is on that port, and verify that IGMP is enabled.

MCAST-4-RX_IGMPREPORT: IGMP: Rcvd IGMP Report [chars] on [dec]/[dec]

Explanation This message indicates that the switch has received an IGMP report message for the group number on module number/port number; [chars] is the group number and [dec]/[dec] is the module number/port number.

Recommended Action This message is provided for information only.

MCAST-4-RX_IGMPLV: IGMP: Rcvd IGMP Leave [chars] on [dec]/[dec]

Explanation This message indicates that the switch has received an IGMP leave message for the group number on module number/port number; [chars] is the group number and [dec]/[dec] is the module number/port number.

Recommended Action This message is provided for information only.

MCAST-5-IGMPMSG1: IGMP Snooping Feature is [chars]abled

Explanation This message indicates that the IGMP snooping feature is either enabled or disabled; [chars] is either [en] or [dis].

Recommended Action This message is provided for information only.

MCAST-5-CGMPMSG2: CGMP Feature is [chars]abled

Explanation This message indicates that the CGMP feature is either enabled or disabled; [chars] is either [en] or [dis].

Recommended Action This message is provided for information only.

MCAST-5-IGMP_NORMAL: IGMP: Running in NORMAL mode

Explanation This message indicates that NMP has recovered from address aliasing and has reenabled redirection escape logic for the following multicast addresses:

01-00-5e-00-00-01
01-00-5e-00-00-04
01-00-5e-00-00-05
01-00-5e-00-00-06
01-00-5e-00-00-0d

Recommended Action This message is provided for information only.

MCAST-5-CGMPMSG3: CGMP Leave Feature is [chars]abled

Explanation This message indicates that the leave feature has either been enabled or disabled; [chars] is either [en] or [dis].

Recommended Action This message is provided for information only.

MCAST-6-MCASTDELMSG: Deleting a GDA [chars] in vlan [dec]

Explanation This message indicates that a multicast entry in the given VLAN is being deleted because an IGMP leave from the last host for this group destination address (GDA) was received; [chars] is the group destination address, and vlan [dec] is the VLAN number.

Recommended Action Contact your technical support representative.

MCAST-6-TOPOCHG: Recvd Topology Change Notification in vlan [dec]

Explanation This message indicates that the NMP received a topology change notification in a VLAN; vlan [dec] is the VLAN number.

Recommended Action This message is provided for information only.

Multicast Snooping Messages

MCAST-6-RTRADD_USERCFG: Adding Router Port [dec/dec] in vlan [dec]
- User Configd

Explanation This message indicates that the user has used the set multicast router command to set a user-configured multicast router; [dec/dec] is the module number/port number and [dec] is the VLAN number.

Recommended Action This message is provided for information only.

MCAST-6-RTADD_PROT: Adding Router Port [dec/dec] in vlan [dec]

Explanation This message indicates that CGMP/IGMP has learned a new router port; [dec]/[dec] is the module number/port number and vlan [dec] is the VLAN number.

Recommended Action This message is provided for information only.

MCAST-6-RTRADD_PIM: Adding Router Port [dec]/[dec] in vlan [dec] -
PIM msg

Explanation This message indicates that CGMP/IGMP snooping has learned a router port via PIM messages; [dec]/[dec] is the module number/port number and vlan [dec] is the VLAN number.

Recommended Action This message is provided for information only.

MCAST-6-RTRADD_HSRP: Adding Router Port [dec/dec] in vlan [dec] -
HSRP msg

Explanation This message indicates that CGMP/IGMP snooping has learned a router port through Hot Standby Router Protocol (HSRP) messages; [dec]/[dec] is the module number/port number and vlan [dec] is the VLAN number.

Recommended Action This message is provided for information only.

MCAST-6-CGMPLEAVEMSG: CGMP: Rcvd CGMP Leave Mesg [dec/dec] vlan [dec]

Explanation This message indicates that a CGMP leave message was received on a VLAN port; [dec/dec] is the module number/port number where the message was received, and vlan [dec] is the VLAN number.

Recommended Action This message is provided for information only.

MCAST-6-CGMPJOINMSG: CGMP: Rcvd CGMP Join Mesg in vlan [dec]

Explanation This message indicates that a CGMP join message was received by a VLAN; [dec] is the VLAN number.

Recommended Action This message is provided for information only.

MCAST-6-CGMPMSG1: CGMP: GDA: [chars] USA: [chars]

Explanation This message indicates that the system has received a CGMP join message for the GDA from the router for the host whose source address is USA; [chars] is the group destination address and [chars] is the unicast source address.

Recommended Action This message is provided for information only.

MGMT Messages

This section contains the MGMT messages for TopN.

MGMT-5-TOPN_AVAILABLE: Report [dec] available

Explanation This message indicates that the TopN report running in background is ready; [dec] is the TopN report number.

Recommended Action This message is provided for information only.

MGMT-5-TOPN_START: Report [dec] started by [chars]

Explanation This message indicates that the TopN message [dec] running with the background option [chars] is generating the report; [dec] is the TopN report number, and [chars] is the process that started the report. A second message is generated when the report is available.

Recommended Action This message is provided for information only.

MGMT-5-TOPN_TERMINATE: Report [dec] terminated by [chars]

Explanation This message indicates that the TopN message [dec] was terminated by [chars]; [dec] is the TopN report number and [chars] is the process that stopped the report generation.

Recommended Action This message is provided for information only.

MGMT-5-TOPN_ABORT: Report [dec] aborted due to configuration changes

Explanation This message indicates that the TopN report was aborted because of a configuration change; [dec] is the number of the TopN report.

Recommended Action This message is provided for information only.

MGMT-5-TOPN_DROPMOD: Report [dec] dropped module [dec] data due to module reset

Explanation This message indicates that the TopN report [dec] will not contain any ports from module [dec] because the module was reset during the report generation; report [dec] is the TopN report number and module [dec] is the module number.

Recommended Action This message is provided for information only.

MGMT-6-LOGINPASS: User [chars] logged in from [chars]

Explanation This message indicates that the user has logged in successfully. [chars] is the login name if available and the second [chars] is console or IP.

Recommended Action This message is for information only.

MGMT-6-LOGINFAIL: User [chars] failed to log in from [chars]

Explanation This message indicates that the login attempt failed. [chars] is the login name if available and the second [chars] is console or IP.

Recommended Action This message is for information only.

MGMT-6-ENABLEPASS: User [chars] entered enable mode from [chars]

Explanation This message indicates that the user has entered enable mode successfully. [chars] is the login name if available and the second [chars] is the console or IP.

Recommended Action This message is for information only.

MGMT-6-ENABLEFAIL: User [chars] failed to enter enable mode from [chars]

Explanation This message indicates that the user was unsuccessful entering enable mode. [chars] is the login name if available and the second [chars] is console or IP.

Recommended Action This message is for information only.

Multilayer Switching Messages

This section contains the Multilayer Switching (MLS) messages.

MLS-2-WHISTLERPARITYERROR: Whistler parity error, MLS stopped

Explanation This message indicates that a parity error occurred in the EARL2 Whistler ASIC.

Recommended Action This is a hardware defect. Contact your technical support representative.

MLS-2-WHISTLERMIERRORDIS: Whistler MI error exceeded threshold, MLS stopped

Explanation This message indicates that the number of memory interface errors exceeded the threshold. MLS is disabled.

Recommended Action This is a hardware defect. Contact your technical support representative.

MLS-2-BANFFLTLFAIL: Set BANFF LTL failed, new shortcuts disabled

Explanation This message indicates that creation of new MLS shortcuts is disabled because of a failure in the central rewrite engine configuration.

Recommended Action Contact your technical support representative.

MLS-3-GETNEWLEARN: Get new learn mac notification [hex]

Explanation This message indicates that MLS is not supposed to get any new source address learned notification; [hex] is the new source address. This message indicates an internal error.

Recommended Action Contact your technical support representative.

MLS-3-WHISTLERMIERRORHRST: Whistler MI error, MI hard reset

Explanation This message indicates that a memory interface error occurred in the EARL2 Whistler ASIC. The memory interface is hard reset.

Recommended Action This message is provided for information only.

MLS-4-LOSEEVENT: Event loss, purge all entries

Explanation This message indicates that an internal MLS event loss occurred because of insufficient system resources. All MLS entries are purged.

Recommended Action This message is provided for information only.

MLS-4-RESUMESC: Resume MLS after detecting too many moves

Explanation This message indicates that MLS has resumed after being stopped because of too many Layer 2 source address changes being detected in a short period of time.

Recommended Action This message is provided for information only.

MLS-4-MOVEOVERFLOW: Too many moves, stop MLS for [dec] sec ([hex])

Explanation This message indicates that there have been too many Layer 2 source address changes during a short period of time. This message might be caused by topology changes or spanning-tree loops. MLS is stopped for [dec] seconds and all entries are purged; [dec] is the number of seconds and ([hex]) is the event code for moves.

Recommended Action Check the topology for any loops. Call your technical support representative.

MLS-5-MLSDISABLED: [chars] Multilayer switching is disabled

Explanation This message indicates that MLS is disabled.

Recommended Action This message is provided for information only.

MLS-5-MLSENABLED: Multilayer switching is enabled

Explanation This message indicates that MLS is enabled.

Recommended Action This message is provided for information only.

MLS-5-NDEENABLED: Netflow Data Export enabled

Explanation This message indicates that flow statistics for all aged flows are being sent to the configured host in a User Datagram Protocol (UDP) datagram.

Recommended Action This message is provided for information only.

MLS-5-NDEDISABLED: Netflow Data Export disabled

Explanation This message indicates that flow statistics for all aged flows have stopped being sent.

Recommended Action This message is provided for information only.

MLS-5-ROUTERADD: Route processor [chars] added

Explanation This message indicates that an MLS route processor has been added by the MLS switching engine [chars]; [chars] is the ID of the MLS route processor. The MLS switching engine starts Layer 3 switching for the MLS route processor.

Recommended Action This message is provided for information only.

MLS-5-ROUTERDEL: Route Processor [chars] deleted - [chars]

Explanation This message indicates that an MLS route processor [chars] has been deleted by the MLS switching engine; the first [chars] is the ID of the MLS route processor; the second [chars] is the deletion cause.

Recommended Action This message is provided for information only.

MLS-5-FLOWMASKCHANGE: [chars] flowmask changed from [chars] to [chars]

Explanation This message indicates that the MLS flowmask for the switching engine identified by the first [chars] has been changed from [chars] to [chars]. The second [chars] is the original flowmask, and the third [chars] is the new flowmask. The flowmask can be DEST, DEST-SRC, or FULL.

Recommended Action This message is provided for information only.

MLS-6-WHISTLERXTAGERROR: Whistler error xtag=[dec]

Explanation This message indicates that an xtag error occurred in the EARL2 Whistler ASIC; [dec] is the number of the xtag error. This error does not affect the MLS functionality.

Recommended Action This message is provided for information only.

Port Aggregation Protocol/EtherChannel Messages

This section contains the switch Port Aggregation Protocol (PAgP) and EtherChannel messages.

PAGP-3-CONFPORTCHNLFAIL: Failure = [dec] in configPortChannel for mNo/pNo = [dec]/[dec]

Explanation This message indicates that the system was unable to configure the channel properly; [dec] is the return status, and [dec]/[dec] is the module number/port number.

Recommended Action Try to reset the failing ports. If the message reappears, contact your technical support representative.

PAGP-3-QFULL: [chars] queue is full

Explanation This message indicates that the [chars] message buffer between two processors is full; [chars] identifies the buffer.

Recommended Action Reset the system. If the message reappears, contact your technical support representative.

PAGP-5-PORTTOSPT: Port [dec]/[dec] joined bridge port [dec]/[chars]

Explanation This message indicates that the physical port joined the logical port; [dec]/[dec] is the module number/port number, and [dec]/[chars] is the module number/port range.

Recommended Action Contact your technical support representative.

PAGP-5-PORTFROMSPT: Port [dec]/[dec] left bridge port [dec]/[chars]

Explanation This message indicates that the physical port disconnected from the logical port; [dec]/[dec] is the module number/port number, and [dec]/[chars] is the module number/port range.

Recommended Action Contact your technical support representative.

PAGP-7-BADQUEUEMSG: Unknown message in queue [chars]

Explanation This message indicates that the processor received a message it cannot identify; [chars] is the message's character string.

Recommended Action This message is provided for information only.

PAGP-7-NOACTIVEVLAN: Failed to transmit info pdu --- no active vlan ([dec]/[dec])

Explanation This message indicates that the system tried to transmit a packet through a VLAN that was not active; [dec]/[dec] is the module number/port number.

Recommended Action Contact your technical support representative.

PAGP-7-STPDISABLED: Failed to transmit info pdu --- disabled STP ([dec]/[dec])

Explanation This message indicates that spanning tree is disabled and cannot transmit a packet; [dec]/[dec] is the module number/port range.

Recommended Action Contact your technical support representative.

PAGP-7-INACTIVEVLAN: ([dec]/[dec]) vlan inactive

Explanation This message indicates that the system tried to transmit a packet to a VLAN but the VLAN is not active; [dec]/[dec] is the module number/port number.

Recommended Action Contact your technical support representative.

PAGP-7-INVALIDPORT: Invalid agportIndex = [dec] (mNo/aNo = [dec]/[dec])

Explanation This message indicates that the agportIndex is out of range (the logical port is invalid); [dec] is the index, and [dec]/[dec] is the logical port.

Recommended Action Contact your technical support representative.

PAGP-7-GETPORTFAIL: Failed to get port from portList

Explanation This message indicates that the logical port list did not contain at least one physical port.

Recommended Action Contact your technical support representative.

PAGP-7-WAITFORMEM: Wait for successful memory allocation

Explanation This message indicates that the system is trying to dynamically allocate more memory for an operation, but there is insufficient memory left.

Recommended Action Contact your technical support representative.

PAGP-7-PROCFAIL: Failed to create PAgP_Group_Rx process

Explanation This message indicates that the PAgP_Group_Rx process was not created, so channeling is not allowed.

Recommended Action Contact your technical support representative.

PAGP-7-NOMEM: No (SCP) memory for PAgP_Group_Rx process

Explanation This message indicates that the processor is trying to send a message to a module to configure a channel, but the buffer is unexpectedly full.

Recommended Action Try resetting the system. If the message reoccurs, contact your technical support representative.

Protocol Filter Messages

This section contains the protocol filter (protfilt) messages.

PROTFILT-5-AUTO_ON: Port [dec]/[dec] is set to AUTO-ON for [chars]

Explanation This message indicates that the port is set to auto-on for a protocol group; [dec]/[dec] is the module number/port number and [chars] is the protocol group.

Recommended Action This message is provided for information only.

PROTFILT-5-AUTO_OFF: Port [dec]/[dec] is set to AUTO-OFF for [chars]

Explanation This message indicates the port is set to auto-off for a protocol group; [dec]/[dec] is the module number/port number and [chars] is the protocol group.

Recommended Action This message is provided for information only.

VLAN Trunking Protocol Pruning Messages

This section contains the VTP pruning messages.

PRUNING-2-INITSEMERR: semaphore [hex] not null at vtp_initialization!

Explanation This message indicates an internal error; [hex] is the semaphore value.

Recommended Action Contact your technical support representative.

PRUNING-2-NOVLANBITS: no vlan string for trunk [dec]/[dec] (domain [chars])

Explanation This message indicates an internal error; [dec]/[dec] is the trunk module number/port number and [chars] is the domain name.

Recommended Action Contact your technical support representative.

PRUNING-2-INVSTS: FATAL- inv vlan [dec] status [hex]

Explanation This message indicates an internal error; [dec] is the VLAN number and [hex] is the status value.

Recommended Action Contact your technical support representative.

PRUNING-2-SCPWRERR: SCP failed to write LTL on module [dec]

Explanation This message indicates an internal error for the module [dec]; [dec] is the module number.

Recommended Action Contact your technical support representative.

PRUNING-2-LOSTST1: update: lost trunk [dec]/[dec]([dec]) vlan [dec]
state [dec]

Explanation This message indicates that the attempt to save the VLAN spanning tree state change on the trunk was lost while updating; [dec]/[dec]([dec]) is the module number/port number (the port number is stored internally), vlan [dec] is the VLAN number, and state [dec] is the lost spanning-tree state (0=disabled, 1=listening, 2=learning, 3=forwarding, and 4=blocking).

Recommended Action Contact your technical support representative.

PRUNING-2-LOSTST2: set: lost trunk [dec]/[dec]([dec]) vlan [dec]
state [dec]

Explanation This message indicates that the attempt to save the VLAN spanning tree state change on the trunk was lost while setting; [dec]/[dec]([dec]) is the module number/port number (the port number is stored internally), vlan [dec] is the VLAN number, and state [dec] is the lost spanning-tree state (0=disabled, 1=listening, 2=learning, 3=forwarding, and 4=blocking).

Recommended Action Contact your technical support representative.

VLAN Trunking Protocol Pruning Messages

PRUNING-2-LOSTSTCHG: vlan state change: can't find trunk
(index=[hex])

Explanation This message indicates that the trunk could not be found while the VLAN pruning state changed; [hex] is the index for the lost trunk.

Recommended Action Contact your technical support representative.

PRUNING-3-SCPSENDERR: SCP send error: [chars] [dec]

Explanation This message indicates that an internal error when the supervisor engine communicates with the modules; [chars] is the last logged debug message, and [dec] is the last logged debug value.

Recommended Action Contact your technical support representative.

PRUNING-3-NOMEM: no memory to build trunk [dec]/[dec] info for
dependent code

Explanation This message indicates that no system memory is available and the internal status for trunk [dec]/[dec] will be lost; [dec]/[dec] is the module number/port number.

Recommended Action Upgrade the system memory (RAM) size.

PRUNING-3-JOININVFSTV: Join rx on trunk [chars]-invalid first vlan:
[dec]

Explanation This message indicates that some other VTP device has internal errors; [chars] is the trunk module number/port number and [dec] is the invalid first VLAN number.

Recommended Action Locate the VTP device with the internal error. Disable and then enable the trunk port. If the message reappears, contact your technical support representative.

PRUNING-3-JOININVLSTV: Join rx on trunk [chars]-invalid last vlan:
[dec]

Explanation This message indicates that some other VTP device has internal errors; [chars] is the trunk module number/port number and [dec] is the invalid last VLAN number.

Recommended Action Locate the VTP device with the internal error. Disable and then enable the trunk port. If the message reappears, contact your technical support representative.

PRUNING-3-JOININVLLEN: Join rx on trunk [chars]-invalid len: [dec]
([dec])

Explanation This message indicates that some other VTP device has internal errors; [chars] is the trunk module number/port number, [dec] is the number of the actual packet length, and the second ([dec]) is the valid packet length.

Recommended Action Locate the VTP device with the internal error. Disable and then enable the trunk port. If the message reappears, contact your technical support representative.

PRUNING-3-INVTLV: rx summary on trunk [chars] with invalid TLV
value: [hex]

Explanation This message indicates that some other VTP device has internal errors; [chars] is the trunk module number/port number and [hex] is the invalid value.

Recommended Action Locate the VTP device with the internal error. Disable and then enable the trunk port. If the message reappears, contact your technical support representative.

PRUNING-4-NODOMAIN: domain [chars]([dec]) not found

Explanation This message indicates an intermediate configuration mismatch; [chars] is the domain name, and ([dec]) is the domain name length.

Recommended Action Contact your technical support representative if the message appears repeatedly.

VLAN Trunking Protocol Pruning Messages

PRUNING-4-NOTRUNK: trunk [dec]/[dec] not found (domain [chars])

Explanation This message indicates that an intermediate error occurred and VTP pruning might or might not work on that trunk; [dec]/[dec] is the trunk module number/port number and ([chars]) is the domain name.

Recommended Action Enter the **show trunk** command to verify VTP pruning is working for that trunk. If it is not working, disable and then enable the trunk port. If the message reappears, contact your technical support representative.

PRUNING-4-INVSPST: invalid SPT state: [hex]

Explanation This message indicates that an intermediate spanning-tree (SPT) error occurred and VTP pruning might or might not work on that trunk; [hex] is one of the following:

invalid link state: link state value

vlan [vlan no] not found [domain name]

invalid SPT state: [spt state value]

Recommended Action Enter the **show trunk** command to verify that VTP pruning is working for that trunk. If it is not working, disable and then enable the trunk port. If the message reappears, contact your technical support representative.

PRUNING-4-INVASSOC: invalid vlan local assoc: [hex] (domain [chars])

Explanation This message indicates that an intermediate error has occurred and VTP pruning might or might not work on that trunk; [hex] is the VLAN local association value and ([chars]) is the domain name.

Recommended Action Enter the **show trunk** command to verify that VTP pruning is working for that trunk. If it is not working, disable and then enable the trunk port. If the message reappears, contact your technical support representative.

PRUNING-4-NOBUF: no mbuf to build join

Explanation This message indicates that no buffer memory is available for VTP pruning.

Recommended Action Contact your technical support representative.

PRUNING-4-LOSTASSOCEVT: lost vlan local assoc event
(vlan=[dec], assoc=[dec])

Explanation This message indicates that an internal event was lost because of insufficient buffer memory; vlan=[dec] is the VLAN number and assoc=[dec] is the local association status.

Recommended Action No action needs to be taken because recovery is automatic.

PRUNING-4-LOSTSPTEVT: lost spt state event
(trunk=[dec]/[dec], vlan=[dec], state=[dec])

Explanation This message indicates that an internal event was lost because of insufficient buffer memory; trunk=[dec]/[dec] is the module number/port number, vlan=[dec] is the VLAN number, and state=[dec] is the spanning tree protocol status.

Recommended Action No action needs to be taken because recovery is automatic.

PRUNING-4-INVPMODE: invalid pruning mode: [hex]

Explanation This message indicates that an intermediate error occurred and VTP pruning may or may not work on that trunk; [hex] is the pruning mode value.

Recommended Action Disable and then enable the trunk port. If the message reappears, contact your technical support representative.

PRUNING-4-NOVLAN: vlan [dec] not found (domain [chars])

Explanation This message indicates that VLAN [dec] was not found; [dec] is the VLAN number, and [chars] is the domain name.

Recommended Action Contact your technical support representative.

PRUNING-4-INVLNKST: invalid link state: [hex]

Explanation This message indicates a trunk link is set to an invalid state; [hex] is the invalid state value.

Recommended Action Contact your technical support representative.

VLAN Trunking Protocol Pruning Messages

PRUNING-5-JOINNONAME: no domain name in rx Join (trunk [dec]/[dec])

Explanation This message indicates that some other VTP device may have internal errors; (trunk [dec]/[dec]) is the module number/port number.

Recommended Action Check other VTP devices for internal errors. If no errors are found, contact your technical support representative.

PRUNING-5-JOINDIFFDOMAIN: domain [chars] not found in rx Join (trunk [dec]/[dec])

Explanation This message indicates that some other VTP device is assigned to a different domain; [chars] is the domain name and (trunk [dec]/[dec]) is the module number/port number.

Recommended Action Check other VTP devices assigned to a different domain. Enter the **clear config all** command for the devices, and then assign the correct domain name.

PRUNING-5-JOINNOTRUNK: trunk [dec]/[dec] not found for rx Join

Explanation This message indicates an intermediate error; trunk [dec]/[dec] is the module number/port number.

Recommended Action No action is required.

PRUNING-5-JOINDISCARD: rx Join on trunk [dec]/[dec] when pruning disabled

Explanation This message indicates that VTP inconsistency exists in the network; trunk [dec]/[dec] is the module number/port number.

Recommended Action Check other devices to find out where the inconsistency exists and correct.

PRUNING-5-BOGUSTIMEOUT: bogus timeout for trunk [chars]

Explanation This message indicates that an internal notification occurred on trunk [chars]; [chars] is the module number/port number.

Recommended Action No action is required.

PRUNING-5-VLANJOINED: Joined-trunk [dec]/[dec] vlan [dec]

Explanation This message indicates that the VLAN on the trunk is not pruned; [dec]/[dec] is the module number/port number and [dec] is the VLAN number.

Recommended Action This message is provided for information only.

PRUNING-5-VLANPRUNED: Pruned-trunk [dec]/[dec] vlan [dec]

Explanation This message indicates that the VLAN on the trunk is pruned; [dec]/[dec] is the module number/port number, and vlan [dec] is the VLAN number.

Recommended Action This message is provided for information only.

PRUNING-5-RECOVSPT: recover from spt event loss for trunk
[dec]/[dec]

Explanation This message indicates that the software recovers automatically from an internal event loss; [dec]/[dec] is the module number/port number.

Recommended Action This message is provided for information only.

PRUNING-5-RECOVASSOC: Recover from local assoc event loss

Explanation This message indicates that the software recovers automatically from an internal event loss.

Recommended Action This message is provided for information only.

PRUNING-5-LEARNDOMAIN: learn domain [chars] from network

Explanation This message indicates that the VTP domain is learned from another VTP device; [chars] is the domain name.

Recommended Action This message is provided for information only.

VLAN Trunking Protocol Pruning Messages

PRUNING-5-CHGPMODE: change domain [chars] pruning mode to [chars]

Explanation This message indicates a change to the VTP pruning mode; the first [chars] is the domain name, and the second [chars] is enabled or disabled.

Recommended Action This message is provided for information only.

PRUNING-6-FSMSTCHG: T[chars],V[dec]:st=[chars],event=[chars],new
st=[chars]

Explanation This message indicates the state change of a VLAN on a trunk, where the following applies:

T[chars] is Trunk module number and port number.

V[dec] is the VLAN number [vlan_id].

st=[chars] is the current state [state], where [chars] is Null, Disable, NoPrune, Joined, or Pruned.

event=[chars] is the event [event], where [event] is Null, RxVer1, RxJ1, RxJ0, Fwd, NonFwd, Tick, Tmo, LnkDn, LnkUp, Inelig, Eligi, Trans, NoTran, AddTrk, or Refrsh.

new st=[chars] is the new state [state], where [state] is Null, Disable, NoPrune, Joined, or Pruned.

Recommended Action This message is provided for information only.

PRUNING-6-TRIGJOIN: trunk [chars]- send trig Join

Explanation This message indicates that a VTP pruning message is triggered on the trunk because of a VLAN status change; [chars] is the module number/port number.

Recommended Action This message is provided for information only.

Remote Monitoring Messages

This section contains the SNMP messages for Remote Monitoring (RMON).

SNMP-5-TABLEFULL: [chars] Table is Full

Explanation This message indicates that the [chars] table is full; [chars] is the history, alarm, or event table.

Recommended Action Release some memory by deleting some of the existing RMON entries. If the message reappears, contact your technical support representative.

SNMP-5-RMONNOSCP: Out of RMON ScpUsage

Explanation This message indicates that the ScpUsage for RMON is full.

Recommended Action Contact your technical support representative.

SNMP-5-RMONNOMEM: No memory for ControlEntry

Explanation This message indicates that memory is full; no new RMON tables can be installed.

Recommended Action Release some memory by deleting some of the existing RMON entries. If the message reappears, contact your technical support representative.

SNMP-5-RMONNOALARM: Alarm Index [dec] is Not Saved

Explanation This message indicates that the alarm entry with [dec] index is not saved in nonvolatile random-access memory (NVRAM); [dec] is the index of the alarmEntry.

Recommended Action Set the alarmVariable of the entry to an object whose Management Information Base (MIB) object identifier (OID) length is less than or equal to 18. If the message reappears, contact your technical support representative.

Security Messages

SNMP-5-UPDATENVRAM: UpdateNvram() failed: blockno is [dec]

Explanation This message indicates that updating the NVRAM configuration for [dec] block failed; [dec] is the NVRAM block.

Recommended Action You might be out of memory. Enter the **show version** command to ensure that you are running the correct version. Free some memory if necessary. If the message reappears, contact your technical support representative.

SNMP-5-RMONENFAIL: Rmon Enable is progress, In another session

Explanation This message indicates that in one Telnet session an RMON enable is in progress, and at the same time, another Telnet session user is trying to enable RMON.

Recommended Action Try to enable RMON at a later time. If the message reappears after numerous tries, contact your technical support representative.

SNMP-5-RMONDISFAIL: Rmon Disable is progress, In another session

Explanation This message indicates that in one Telnet session an RMON disable is in progress, and at the same time, another Telnet session user is trying to disable RMON.

Recommended Action Try to disable RMON at a later time. If the message reappears after numerous tries, contact your technical support representative.

Security Messages

This section contains the security messages.

Security-1-PORTSHUTDOWN: Port [dec]/[dec] shutdown due to security violation

Explanation This message indicates that a port has been shut down because of an insecure host sourcing a packet into that port; [dec]/[dec] is the module number/port number of the port that has shut down.

Recommended Action Check why the host is sourcing a packet into that port.

Simple Network Management Protocol Messages

This section contains the SNMP messages.

SNMP-2-TCPSKTOPENFAIL: Can't open TCP socket for [dec]

Explanation This message indicates that the TCP socket for [dec] cannot be opened; [dec] is the TCP port number.

Recommended Action Reboot the system.

SNMP-3-UDPSKTOPENFAIL: Can't open UDP socket for [dec]

Explanation This message indicates that the UDP socket for [dec] cannot be opened; [dec] is the UDP port number.

Recommended Action Reboot the system.

SNMP-5-RPHEALTHTEAP: Repeater health
trap:rptrOperStatus([dec],[dec])=[chars]

Explanation This message indicates the repeater health trap:rptrOperStatus status; [dec],[dec] is the module number, port number, and [chars] is one of the following: other, ok, rptrFailure, groupFailure, portFailure, or generalFailure.

Recommended Action This message is provided for information only.

SNMP-5-RPTRESETTRAP: Repeater reset
trap:rptrOperStatus([dec],[dec])=[chars]

Explanation This message indicates the repeater reset trap:rptrOperStatus status; [dec],[dec] is the module number, port number, and [chars] is one of the following: other, ok, rptrFailure, groupFailure, portFailure, or generalFailure.

Recommended Action This message is provided for information only.

Simple Network Management Protocol Messages

SNMP-5-MODULETRAP: Module [dec] [[chars]] Trap

Explanation This message indicates the type of module [dec] [[chars]] Trap; [dec] is the module number, and [[chars]] is up or down.

Recommended Action This message is provided for information only.

SNMP-5-LERALARMTAP: FDDI Ler Alarm [[chars]] Trap for [[dec]/[dec]]

Explanation The fddimibPORTLerFlag object in the FDDI-SMT73-MIB (RFC 1512) has turned on or off one of its ports; [[chars]] is on or off, and [[dec]/[dec]] is the module number/port number.

Recommended Action This message is provided for information only.

SNMP-5-CHASSISALARM: Chassis Alarm Trap: tmpAlarm([chars]),
minorAlarm([chars]), and/or majorAlarm([chars])

Explanation This message indicates the on or off condition of the Chassis Alarm Trap: tmpAlarm([chars]), minorAlarm([chars]), or majorAlarm([chars]); [chars] is on or off.

Recommended Action This message is provided for information only.

SNMP-5-COLDSTART: Cold Start Trap

Explanation This message indicates that the sending protocol entity is reinitializing itself. The agent's configuration or the protocol entity implementation might be altered.

Recommended Action This message is provided for information only.

SNMP-5-NEWROOTTRAP: New Root Trap for VLAN [[dec]]

Explanation This message indicates that there is a new root of the spanning tree; [[dec]] is a VLAN number.

Recommended Action This message is provided for information only.

SNMP-5-TOPOTRAP: Topology Change Trap for VLAN [[dec]]

Explanation This message indicates that a configured port changed from the learning state to the forwarding state, or from the forwarding state to the blocking state; [[dec]] is a VLAN number.

Recommended Action This message is provided for information only.

SNMP-5-LINKTRAP: Link [chars] Trap -- ifName=[chars]

Explanation This message indicates the type of Link [chars] Trap if the name is [chars]; the first [chars] is up or down, and the second [chars] is sc0/sl0/mNo-pNo.

Recommended Action This message is provided for information only.

SNMP-5-ENTITYTRAP: Entity Mib last change time [dec] ticks

Explanation This message indicates that the value of entLastChangeTime MIB object was changed; [dec] is the value of sysUpTime at the time this event occurs.

Recommended Action This message is provided for information only.

SNMP-5-WARMSTART: Warm Start Trap

Explanation This message indicates that the standby supervisor engine has taken control.

Recommended Action This message is provided for information only.

SNMP-5-STPXTRAP: STP Extension Inconsistency vlan [dec] port [[dec/dec]] ([chars])

Explanation This message indicates that the Spanning-Tree Protocol (STP) has detected an inconsistency in the VLAN; [dec] is the VLAN number, [[dec/dec]] is the module number/port number, and ([chars]) is the inconsistency detected.

Recommended Action This message is provided for information only.

Simple Network Management Protocol Messages

SNMP-6-UDPSKTOPEN: UDP socket [[dec]] opened

Explanation This message indicates that the UDP socket [[dec]] opened; [[dec]] is the UDP port number.

Recommended Action This message is provided for information only.

SNMP-6-UDPSKTCLOSE: UDP socket [[dec]] closed

Explanation This message indicates that the UDP socket [[dec]] closed; [[dec]] is the UDP port number.

Recommended Action This message is provided for information only.

SNMP-6-TCPSKTOPEN: TCP socket [[dec]] opened

Explanation This message indicates that the TCP socket [[dec]] opened; [[dec]] is the TCP port number.

Recommended Action This message is provided for information only.

SNMP-6-TCPSKTCLOSE: TCP socket [[dec]] closed

Explanation This message indicates that the TCP socket [[dec]] closed; [[dec]] is the TCP port number.

Recommended Action This message is provided for information only.

SNMP-6-SUBAGENTCONN: Subagent [dec] [chars]

Explanation This message indicates the connection status of the subagent [dec]; [dec] is the subagent number and [chars] is other, OK, rptr Failure, group Failure, port Failure, or general Failure.

Recommended Action This message is provided for information only.

SNMP-6-SUBAGENTTIMEOUT: Subagent [dec] Timeout, drop connection

Explanation This message indicates that the subagent [dec] has been disconnected when the master agent times out during communications with the subagent; [dec] is the subagent index.

Recommended Action This message is provided for information only.

SNMP-6-SUBAGENTDIS: Disconnect Subagent [dec], [chars]

Explanation This message indicates that the subagent [dec] has been disconnected; [dec] is the subagent index and [chars] is the reason for the disconnection.

Recommended Action This message is provided for information only.

Spanning-Tree Protocol Messages

This section contains the Spanning-Tree Protocol messages.

SPANNTREE-2-RX_1QPVIDERR: Rcvd pvid_inc BPDU on 1Q port [dec]/[dec]
vlan [dec]

Explanation This message indicates that the 1Q-trunking port has received at least one 1Q-tagged spantree Bridge Protocol Data Unit (BPDU) frame with an inconsistent transmitting VLAN ID to the receiving port VLAN ID; [dec] is the module number, the second [dec] is the port number, and the third [dec] is the VLAN number.

Recommended Action Either reconfigure the receiving port VLAN ID to the same VLAN ID of the peer port or reconfigure the peer port VLAN ID to the same VLAN ID of the receiving port.

Spanning-Tree Protocol Messages

```
SPANTREE-2-TX_BLKPORTPVID: Block [dec]/[dec] on xmtting vlan [dec]
for inc peer vlan
```

Explanation This message indicates that the system is blocking the port from receiving traffic from the transmitting VLAN by the BPDU; [dec] is the module number, the second [dec] is the port number, and the third [dec] is the VLAN number. This action prevents traffic looping, which might be caused by the peer port VLAN inconsistency. The port is set to pvid-inconsistent state.

Recommended Action Either reconfigure the receiving port VLAN ID to the same VLAN ID of the peer port or reconfigure the peer port VLAN ID to the same VLAN ID of the receiving port. The port is set to pvide-inconsistent state.

```
SPANTREE-2-RX_BLKPORTPVID: Block [dec]/[dec] on rcving vlan [dec]
for inc peer vlan [dec]
```

Explanation This message indicates that the system is blocking the port from receiving traffic on the receiving VLAN of the BPDU; [dec] is the module number, the second [dec] is the port number, and the third [dec] is the VLAN number. This prevents traffic looping, which might be caused by the peer port VLAN inconsistency.

Recommended Action Either reconfigure the receiving port VLAN ID to the same VLAN ID of the peer port or reconfigure the peer port VLAN ID to the same VLAN ID of the receiving port.

```
SPANTREE-2-PORTUNBLK: Unblock previously inc port [dec]/[chars] on
vlan [dec]
```

Explanation This message indicates that the previously blocked port caused by port type or VLAN inconsistency is now unblocked; [dec] is the module number, [chars] is the port number, and the second [dec] is the VLAN number. This message also indicates that the previous inconsistency has been cleared and no more inconsistencies have been detected on the port.

Recommended Action The port should have a normal spantree state.

```
SPANTREE-2-CHNMISCFG: STP loop - channel [dec]/[chars] is disabled  
in vlan [dec]
```

Explanation This message indicates that there is a possible misconfiguration in the EtherChannel type setting (auto/desirable/on). A misconfigured channel formed, causing spanning tree loops; [dec] is the module number, [chars] is the port number, and [dec] is the VLAN number.

Recommended Action Contact your technical support representative.

```
SPANTREE-3-PORTADD_FAILCLCFG: [dec]/[dec] in [dec] cl-cfg ([chars])  
not add STP
```

Explanation This message indicates that adding a port for a given VLAN has failed because a clear configuration operation is running on the system. [dec]/[dec] is the module number/port number, [dec] is the VLAN number, and ([chars]) is the message.

Recommended Action Disable and reenab the port. If that fails to resolve the problem, contact your technical support representative.

```
SPANTREE-3-PORTADD_FAILNOMEM: [dec]/[dec] in [dec] malloc fail  
([chars]) not add STP
```

Explanation This message indicates that adding a port to a given VLAN has failed because the system does not have enough memory. [dec]/[dec] is the module number/port number, [dec] is the VLAN number, and ([chars]) is the error message.

Recommended Action Contact your technical support representative.

```
SPANTREE-3-PORTADD_FAILTRNONOPER: Port [dec] in [dec] not up - not  
added to STP
```

Explanation This message indicates that a port for a given VLAN was not added to STP because the port is not operational. Port [dec] is the failed port number, and ([dec]) is the VLAN number.

Recommended Action Disable and reenab the port.

Spanning-Tree Protocol Messages

```
SPANTREE-3-PORTADD_FAILNONOPER: Port [dec]/[dec] in [dec] not up  
([chars]) not added to STP
```

Explanation This message indicates that a port on a given VLAN has not been added to the spanning tree because the port is not active. [dec]/[dec] is the module number/port number, [dec] is the VLAN number, and ([chars]) is the error message.

Recommended Action Try reenabling the port. Contact your technical support representative.

```
SPANTREE-3-PORTADD_DISABLE: [dec]/[dec] in [dec] add stp - disable  
O[dec] E-[dec] S-[dec]
```

Explanation This message indicates that a port for a given VLAN has been added to the spanning tree in a disable state; [dec]/[dec] is the module number/port number, [dec] is the VLAN number, O[dec] is operational or nonoperational, E-[dec] is enabled or disabled, and S-[dec] is supported or nonsupported.

Recommended Action Examine the condition of the port. Contact your technical support representative.

```
SPANTREE-3-PORTADD_FAILINACTIVEVLAN: [dec]/[dec] in [dec] add fail  
S-[dec] ([chars])
```

Explanation This message indicates that a port for a given VLAN has failed to be added to spanning tree because the VLAN is inactive; [dec]/[dec] is the module number/port number, [dec] is the VLAN number, S-[dec] is supported or nonsupported, and ([chars]) is the error message.

Recommended Action Activate the VLAN to add the port. Contact your technical support representative.

```
SPANTREE-3-PORTADD_FAILACTIVEVLAN: [dec]/[dec] in [dec] add fail  
A-[dec] ([chars])
```

Explanation This message indicates that a port on a given VLAN has not been added to STP because the add STP flag is set to false; [dec]/[dec] is the module number/port number, [dec] is the VLAN number, A-[dec] is active or suspend, and ([chars]) is the error message.

Recommended Action This message is for debugging purposes only.

SPANTREE-3-PORTADD_FAILAGPORT: [dec]/[dec] in [dec] agport=0
([chars]) not add STP

Explanation This message indicates that a port for a given VLAN has failed to add to STP because the corresponding AgPort number is 0; [dec]/[dec] is the module number/port number, [dec] is the VLAN number, and ([chars]) is the error message.

Recommended Action Contact you technical support representative.

SPANTREE-3-PORTDEL_FAILLOUTRANGE: [dec]/[dec] - vlan [dec] out of
range ([chars])

Explanation This message indicates that the port passed for deletion has not been deleted because the port VLAN is out of the valid range; [dec]/[dec] is the module number/port number, [dec] is the VLAN number, and ([chars]) is an identifier for the task that started the deletion.

Recommended Action This message is for debugging purposes only.

SPANTREE-3-PORTDEL_FAILNOTFOUND: [dec]/[dec] in vlan [dec] not found
([chars])

Explanation This message indicates that the port passed for deletion was not found in the Spanning Tree database; [dec]/[dec] is the module number/port number, [dec] is the VLAN number, and ([chars]) is an identifier for the task that started the deletion.

Recommended Action This message is for debugging purposes only.

SPANTREE-3-PORTDEL_FAILEMPTYVLAN: [dec]/[dec] - vlan [dec] empty
([chars])

Explanation This message indicates that the VLAN referred to for port deletion does not contain the ports; [dec]/[dec] is the module number/port number, [dec] is the VLAN number, and ([chars]) is an identifier for the task that started the deletion.

Recommended Action This message is for debugging purposes only.

Spanning-Tree Protocol Messages

SPANTREE-4-UFAST_BRREGFAIL: Uplinkfast unable to register Ibipc port

Explanation This message indicates that the Uplinkfast feature might not work with some Gigabit Ethernet modules.

Recommended Action Contact your technical service representative.

SPANTREE-4-UFAST_MGETFAIL: Uplinkfast unable to get mbuf

Explanation This message indicates that the Uplinkfast task was unable to get an mbuf. Fast convergence may not occur for some or all of the stations.

Recommended Action If this message is seen repeatedly, contact your technical support representative.

SPANTREE-4-UFAST_QFULL: Uplinkfast task does not exist or queue full

Explanation This message indicates that the notification of a change in a port's forwarding status failed. Fast convergence will not occur for all end stations in some VLANs.

Recommended Action Contact your technical support representative.

SPANTREE-5-PORTDEL_SUCCESS: [dec]/[dec] removed from vlan [dec]
([chars])

Explanation This message indicates that the deletion has completed successfully; [dec]/[dec] is the module number/port number, [dec] is the VLAN number, and [chars] is an identifier for the task that started the deletion.

Recommended Action This message is for debugging purposes only.

SPANTREE-5-PORTDEL_SUCCESSFROMCHN: [dec]/[dec] in vlan [dec] deleted
- channel still on ([chars])

Explanation This message indicates that the port has been deleted, but it was part of a channel and the channel is still on; [dec]/[dec] is the module number/port number, [dec] is the VLAN number, and [chars] is an identifier for the task that started the deletion.

Recommended Action This message is for debugging purposes only.

SPANTREE-6-PORTBLK: port [dec]/[chars] state in vlan [dec] changed to blocking

Explanation This message indicates the port [dec]/[chars] state in vlan [dec] changed to blocking; [dec]/[chars] is the module number/port number and vlan [dec] is the VLAN number.

Recommended Action This message is provided for information only.

SPANTREE-6-PORTFWD: port [dec]/[chars] state in vlan [dec] changed to forwarding

Explanation This message indicates the port [dec]/[chars] state in VLAN [dec] changed to forwarding; [dec]/[chars] is the module number/port number and vlan [dec] is the VLAN number.

Recommended Action This message is provided for information only.

SPANTREE-6-TR_PORTBLK: trcrf [dec] in trbrf [dec] changed to blocking

Explanation This message indicates that the Token Ring Concentrator Relay Function (TrCRF) port corresponding to the Token Ring Bridge Relay Function (TrBRF) VLAN has changed to blocking; trcrf [dec] is the TrCRF port number and trbrf [dec] is the TrBRF VLAN number.

Recommended Action This message is provided for information only.

SPANTREE-6-TR_PORTFWD: trcrf [dec] in trbrf [dec] changed to forwarding

Explanation This message indicates that the TrCRF port corresponding to the TrBRF VLAN has changed to forwarding; trcrf [dec] is the TrCRF port number and trbrf [dec] is the TrBRF VLAN number.

Recommended Action This message is provided for information only.

Spanning-Tree Protocol Messages

SPANTREE-6-PORTLISTEN: port [dec]/[chars] state in vlan [dec] changed to Listening

Explanation This message indicates that the port [dec]/[chars] in VLAN [dec] state has changed to listening; [dec]/[chars] is the module number/port number and vlan [dec] is the VLAN number.

Recommended Action This message is provided for information only.

SPANTREE-6-PORTLEARN: port [dec]/[chars] state in vlan [dec] changed to Learning

Explanation This message indicates that the port [dec]/[chars] in VLAN [dec] state has changed to learning; [dec]/[chars] is the module number/port number and vlan [dec] is the VLAN number.

Recommended Action This message is provided for information only.

SPANTREE-6-UFAST_PORTFWD: port [dec]/[chars] in vlan [dec] moved to Fwding (UplinkFast)

Explanation This message indicates that the port [dec]/[chars] in VLAN [dec] has directly moved to the forwarding state through the UplinkFast feature; [dec]/[chars] is the module number/port number and vlan [dec] is the VLAN number.

Recommended Action This message is provided for information only.

SPANTREE-6-RX_INFBPDU: Received inferior BPDU on port [dec]/[chars] in vlan [dec]

Explanation This message indicates that the port is receiving BPDUs; [dec]/[chars] is the module number/port number, and [dec] is the VLAN number. This message indicates that the designated switch has lost connectivity to the root switch. This message appears only if you enable the BackboneFast feature.

Recommended Action This message is provided for information only.

SPANTREE-6-RX_RLQREQ: Received RLQ request PDU on port [dec]/[chars] in vlan [dec]

Explanation This message indicates that the BackboneFast feature is attempting to fast converge, which means that a link has failed somewhere in the network, most likely at port [dec]/[chars] in VLAN [dec]; [dec]/[chars] is the module number/port number and [dec] is the VLAN number.

Recommended Action This message is provided for information only.

SPANTREE-6-RX_RLQREPLY: Received RLQ response PDU on port [dec/chars] in vlan [dec]

Explanation This message indicates that the BackboneFast feature is attempting to fast converge, which means that a link has failed somewhere in the network, most likely at port [dec]/[chars] in VLAN [dec]; [dec]/[chars] is the module number/port number, and [dec] is the VLAN number.

Recommended Action This message is provided for information only.

SPANTREE-6-MSGAGEEXPIRY: Msg Age timer expired on port [dec/chars] in vlan [dec]

Explanation This message indicates that a BPDU was not received by the port for 20 seconds (assuming a default value of max_age); [dec]/[chars] designates the port and vlan [dec] is the VLAN number. The port is made a designated port.

Recommended Action An occasional message of this type is acceptable, however, if multiple errors occur within a short time for a specific VLAN, a fault is indicated. Because this message is per VLAN, multiple messages for different VLANs are normal. Contact your technical support representative.

SPANTREE-6-TR_PORTLISTEN: trcrf [dec] in trbrf [dec] changed to Listening

Explanation This message indicates that the ports associated with the TrCRF [dec] located in the TrBRF [dec] has changed to listening; the first [dec] is the TrCRF number and the second [dec] is the TrBRF number.

Recommended Action This message is provided for information only.

Spanning-Tree Protocol Messages

SPANTREE-6-TR_PORTLEARN: trcrf [dec] in trbrf [dec] changed to Learning

Explanation This message indicates that the TrCRF [dec] located in the TrBRF [dec] has changed to learning; the first [dec] is the port number and the second [dec] is the VLAN number.

Recommended Action This message is provided for information only.

SPANTREE-6-TR_MSGAGEEXPIRY: Msg Age timer expired on trcrf [dec] in trbrf [dec]

Explanation This message indicates that the TrCRF [dec] in TrBRF [dec] has not received BPDUs for the message age time; the first [dec] is the port number and the second [dec] is the VLAN number. Enter **show spantree** for the VLAN to show the message age.

Recommended Action If this message is seen too often for the same VLAN and port, a fault is indicated. Contact your technical support representative.

SPANTREE-6-RX_1QNONTRUNK: Rcvd 1Q-BPDU on non-trunk port [dec]/[dec] vlan [dec]

Explanation This message indicates that the nontrunking port has received at least one 1Q-tagged spantree BPDU frame on the receiving VLAN; [dec] is the module number, the second [dec] is the port number, and the third [dec] is the VLAN number.

Recommended Action Either reconfigure the nontrunking port into a 1Q-trunking port, or reconfigure the peer 1Q-trunking port into a nontrunking port.

SPANTREE-6-RX_1QNON1QTRUNK: Rcvd 1Q-BPDU on non-1Q-trunk port [dec]/[dec] vlan [dec]

Explanation This message indicates that the non-1Q-trunking (ISL) port has received at least one 1Q-tagged spantree BPDU frame on the receiving VLAN; [dec] is the module number, the second [dec] is the port number, and the third [dec] is the VLAN number.

Recommended Action Either reconfigure the non-1Q-trunking port into a 1Q-trunking, or reconfigure the peer 1Q-trunking port into the corresponding non-1Q-trunking port.

SPANTREE-6-SSTP_PORTBLK: Block [dec]/[dec] on rcving vlan [dec] for inc trunk port

Explanation This message indicates that the system is blocking the port from receiving traffic on the receiving VLAN; [dec] is the module number, the second [dec] is the port number, and the third [dec] is the VLAN number. This prevents traffic looping, which might be caused by the peer port type inconsistency. The port is set to type-inconsistent state.

Recommended Action Either reconfigure the receiving port VLAN ID to the same VLAN ID of the peer port or reconfigure the peer port VLAN ID to the same VLAN ID as the receiving port VLAN ID.

System Messages

This section contains the system messages, including system semaphore messages.

SYS-0-TEMP_CRITOK: Temp critical okay

Explanation This message indicates the internal temperature has dropped below 70°C (158°F); this message applies only to the redundant supervisor engine in the switch.

Recommended Action This message is provided for information only.

SYS-0-TEMP_CRITFAIL: Temp critical failure

Explanation This message indicates the internal temperature has risen above 70°C (158°F). If the temperature remains above 70°C (158°F), the system automatically powers down after 5 minutes; this message applies only to the redundant supervisor engine in the switch.

Recommended Action Power down the system and contact your technical support representative.

System Messages

SYS-0-TEMP_CRITRECOVER: Temp critical recovered

Explanation This message indicates the internal temperature dropped below 70°C (158°F), and the automatic power down was canceled; this message applies only to the redundant supervisor engine in the switch.

Recommended Action This message is provided for information only.

SYS-1-MOD_MACBAD: Module [dec] has invalid MAC address, [chars]

Explanation This message indicates the supervisor engine module [dec] has an invalid Media Access Control (MAC) address, [chars]. [dec] is the module number and [chars] could be one of the following: *remains offline* or *bypass enabled*.

Recommended Action This message is provided for information only, but might indicate that the MAC address of the supervisor engine module is the same as the default MAC address (00-40-4b-ff-00-00). Enter the **show mac** [*mod_num/port_num*] command to check the module's MAC address. If the listed MAC address is the default MAC address, contact your technical support representative.

SYS-1-SYS_MACBAD: Chassis has invalid MAC address, using module MAC address

Explanation This message indicates the chassis has an invalid MAC address.

Recommended Action This message is provided for information only, but might indicate that the MAC address of the chassis is the same as the default MAC address (00-40-4b-ff-00-00). Contact your technical support representative.

SYS-1-SYS_IDPROMBAD: Chassis idprom data invalid

Explanation This message indicates that the chassis serial electrically erasable programmable read-only memory (EEPROM) data is invalid.

Recommended Action Contact your technical support representative.

`SYS-2-PS_OK: Power supply [dec] okay`

Explanation This message indicates that the power supply has been turned on or has returned to a proper state; [dec] is the power supply number.

Recommended Action This message is provided for information only.

`SYS-2-PS_FAIL: Power supply [dec] failed`

Explanation This message indicates that the power supply [dec] failed; [dec] is the power supply number.

Recommended Action Replace the indicated power supply.

`SYS-2-PS_FANFAIL: Power supply [dec] fan failed`

Explanation This message indicates that the power supply [dec] fan failed; [dec] is the power supply number.

Recommended Action Replace the indicated power supply fan.

`SYS-2-PS_NFANFAIL: Power supply [dec] and power supply fan failed`

Explanation This message indicates that the power supply [dec] and power supply fan failed; [dec] is the power supply number.

Recommended Action Replace the indicated power supply and fan.

`SYS-2-FAN_OK: Fan okay`

Explanation This message indicates that the chassis fan tray was plugged back in or returned to a proper state.

Recommended Action This message is provided for information only.

`SYS-2-FAN_FAIL: Fan failed`

Explanation This message indicates that the chassis fan failed.

Recommended Action Replace the fan.

System Messages

SYS-2-TEMP_HIGHOK: Temp high okay

Explanation This message indicates the internal temperature has dropped below 50°C (122°F).

Recommended Action This message is provided for information only.

SYS-2-TEMP_HIGHFAIL: Temp high failure

Explanation This message indicates the internal temperature has risen above 50°C (122°F); this message applies only to the redundant supervisor engine in the switch.

Recommended Action This message is provided for information only. If the temperature exceeds 70°C (158°F), the Temp Critical Failure message appears and the system automatically powers down after five minutes.

SYS-2-DTP_MODSBY: Trunk hardware configuration on [dec]/[dec] failed because module is standby

Explanation This message indicates that the trunk hardware on the port failed to set because the module is in standby; [dec]/[dec] is the module number/port number.

Recommended Action Call your technical support representative.

SYS-2-DTP_MODEMPTY: Trunk hardware configuration on [dec]/[dec] failed because module is empty

Explanation This message indicates that the port trunk hardware failed to set because the module is empty; [dec]/[dec] is the module number/port number.

Recommended Action Call your technical support representative.

SYS-2-DTP_MODALDOWN: Trunk hardware configuration on [dec]/[dec] failed because module is not online

Explanation This message indicates that the port trunk hardware failed to set because the module is not online; [dec]/[dec] is the module number/port number.

Recommended Action Call your technical support representative.

`SYS-2-DTP_SCPFAIL`: Trunk hardware configuration on [dec]/[dec] failed because of SCP failure

Explanation This message indicates that the port trunk hardware failed to set because the Serial Control Protocol (SCP) message was not sent successfully; [dec]/[dec] is the module number/port number.

Recommended Action Call your technical support representative.

`SYS-3-SUP_IMGNO SYNC`: Flash synchronization will not happen

Explanation This message indicates that the redundant supervisor engines in the chassis do not have the same type of Enhanced Address Recognition Logic (EARL) or supervisor engines.

Recommended Action Make sure the redundant supervisor engines have the same type of EARL board, and the redundant supervisor engines are the same type.

`SYS-3-SUP_CFGNO SYNC`: Nvram synchronization will not happen

Explanation This message indicates that redundant supervisor engines in the chassis do not have the same type of EARL or supervisor engines.

Recommended Action Make sure that the redundant supervisor engines have the same type of EARL board and the redundant supervisor engines are the same type.

`SYS-3-SUP_ASIMGDIFF`: Active supervisor card is running a different version of NMP image

Explanation This message indicates that the active supervisor engine is running a different Network Management Processor (NMP) image version than the standby supervisor engine.

Recommended Action Check the versions of NMP software being run on the active and standby supervisor engines. This message is provided for information only.

System Messages

SYS-3-MOD_DIAG: Module [dec] is in offline diagnostic mode

Explanation This message indicates that module [dec] is in offline diagnostics mode; [dec] is the module number.

Recommended Action This message is provided for information only, but might indicate that a problem exists with the diagnostic testing. If this is the case, contact your technical support representative.

SYS-3-MOD_DNLDWAIT: Module [dec] waiting for download

Explanation This message indicates that the module [dec] is waiting for download; [dec] is the module number.

Recommended Action This message is provided for information only, but might indicate that a problem exists with the download task. If this is the case, contact your technical support representative.

SYS-3-SUP_ACONNFAIL: [chars] unable to connect with standby

Explanation This message indicates that [chars] is unable to establish a Transmission Control Protocol/Internet Protocol (TCP/IP) connection with the standby supervisor engine; [chars] is the the task name on the active supervisor engine.

Recommended Action Perform a system reset. If this message reappears, contact your technical support representative.

SYS-3-SUP_AIMGDIFF1: Module [dec] runtime image differs from flash image

Explanation This message indicates that the runtime image of module [dec] differs from the Flash image; [dec] is the module number. The nonvolatile random-access memory (NVRAM) update task is not running and a system reset must be performed to correct the problem.

Recommended Action Perform a system reset. If this message reappears, contact your technical support representative.

SYS-3-SUP_AIMGCPYFAIL: [chars] unable to copy flash into DRAM

Explanation This message indicates that [chars] is unable to uncompress the Flash code and download into dynamic random-access memory (DRAM); [chars] is the task name.

Recommended Action This condition is possibly due to a bad or corrupted Flash. Contact your technical support representative.

SYS-3-SUP_ASENDFAIL: [chars] unable to send data to standby

Explanation This message indicates that an error occurred during Flash code copy from the [chars] active to the standby supervisor engine; [chars] is the active supervisor engine.

Recommended Action The TCP/IP connection might be broken because of a problem in the system. Contact your technical support representative.

SYS-3-SUP_ARECVFAIL: [chars] unable to receive data from standby

Explanation This message indicates that an error occurred during Flash code copy from the [chars] standby to the active supervisor engine; [chars] is the active supervisor engine.

Recommended Action The TCP/IP connection might be broken due to a problem in the system. Contact your technical support representative.

SYS-3-SUP_SOUTOFSYNC: [chars] standby is out of sync

Explanation This message indicates that the duplicate Flash synchronization process between the active and standby supervisor engines is not working because of some problems in the system; [chars] is the task name.

Recommended Action Contact your technical support representative.

SYS-3-SUP_ASTATBAD: [chars] status failed received from standby

Explanation This message indicates that the standby supervisor engine was unable to process a TCP/IP request sent by the active supervisor engine; [chars] is the task name.

Recommended Action There might be a problem with the standby supervisor engine; contact your technical support representative.

SYS-3-SUP_SSOCKFAIL: [chars] standby task socket call failed

Explanation This message indicates that the TCP/IP socket call failed; [chars] is the standby supervisor engine. In this case, the duplicate Flash and NVRAM synchronization tasks do not run.

Recommended Action Contact your technical support representative.

SYS-3-SUP_SBINDFAIL: [chars] standby task bind call failed

Explanation This message indicates that the TCP/IP bind call failed; [chars] is the standby supervisor engine. In this case, the duplicate Flash and NVRAM synchronization tasks do not run.

Recommended Action Contact your technical support representative.

SYS-3-SUP_SLISTENFAIL: [chars] standby task listen call failed

Explanation This message indicates that the TCP/IP listen call failed; [chars] is the standby supervisor engine. In this case, the duplicate Flash and NVRAM synchronization tasks do not run.

Recommended Action Contact your technical support representative.

SYS-3-SUP_SACCEPTFAIL: [chars] standby task accept call failed

Explanation This message indicates that the TCP/IP accept call failed; [chars] is the standby supervisor engine. In this case, the duplicate Flash and NVRAM synchronization tasks do not run.

Recommended Action Contact your technical support representative.

SYS-3-SUP_ASMGUNKNOWN: [chars] unknown message received

Explanation This message indicates that the standby supervisor engine received an unknown TCP/IP message from the active supervisor engine; [chars] is the standby supervisor engine.

Recommended Action Contact your technical support representative.

`SYS-3-SUP_SSENDFAIL: [chars] unable send data to active`

Explanation This message indicates that the standby supervisor engine cannot send data to the active supervisor engine because of a problem in the system; [chars] is the task name.

Recommended Action Contact your technical support representative.

`SYS-3-SUP_SRECVFAIL: [chars] unable receive data from active`

Explanation This message indicates that the standby supervisor engine cannot receive data from the active supervisor engine because of a problem in the system; [chars] is the task name.

Recommended Action Contact your technical support representative.

`SYS-3-SUP_SIMGPROGFAIL: [chars] standby flash programming failed`

Explanation This message indicates that the Flash programming of the standby supervisor engine failed; [chars] is the task name.

Recommended Action Contact your technical support representative.

`SYS-3-SUP_SINBOOT: Standby supervisor module [dec] is running boot code`

Explanation This message indicates that the standby supervisor engine module [dec] is running BOOT code; [dec] is the module number.

Recommended Action This message is provided for information only, but might indicate that the supervisor engine's Flash is corrupted, that the standby supervisor engine is not configured to boot up with a valid image, or that the boot failed. If you suspect the supervisor engine's Flash is corrupted, wait for the active supervisor engine to reprogram the Flash. If this message reappears, contact your technical support representative.

Note The next message appears as four lines.

```
SYS-3-MOD_CFGMISMATCH1: Module [dec] configuration mismatch [chars]
SYS-3-MOD_CFGMISMATCH2: *Config:[chars]
SYS-3-MOD_CFGMISMATCH3: *Actual:[chars]
SYS-3-MOD_CFGMISMATCH4: Insert config type module or do a 'clear
config [dec]'
```

Explanation These messages resulted from a module being inserted into a slot that had been configured for another module type. Module [dec] is the module number; [chars] is either an empty field or disabled ports; Config [chars] is the description of the module configured in NVRAM; Actual [chars] is the description of the module inserted in the slot; and clear config [dec] is the number of the module on which you want to clear the configuration.

Recommended Action Insert a module that matches the slot configuration, or enter the **clear config** [*mod_num/port_num*] command to clear the slot. If this message reappears, contact your technical support representative.

```
SYS-3-SEM_IDBAD: Invalid sem_id:[hex] ([chars],[chars])
```

Explanation This message indicates that an invalid semaphore is being requested by the specified task's function; [hex] is the semaphore ID value, the first [chars] is the task name, and the second [chars] is the function name.

Recommended Action The system has an internal error if this message is shown; contact your technical support representative.

```
SYS-3-SEM_MAGICNUMBAD: Invalid magic number:[hex] ([chars],[chars])
```

Explanation This message indicates that the magic number for a semaphore being requested by the specified task's function is invalid; [hex] is the magic number, the first [chars] is the task name, and the second [chars] is the function name.

Recommended Action The system has an internal error if this message is shown; contact your technical support representative.

`SYS-3-SEM_NOPID: Dequeued pid([dec]) not found`

Explanation This message indicates that the task being removed from a semaphore's waiting list does not exist; [dec] is the task ID number.

Recommended Action The system has an internal error if this message is shown; contact your technical support representative.

`SYS-3-SEM_NOWAIT: No waiting task to dequeue`

Explanation This message indicates that the semaphore could not find its waiting list while a task is to be removed from it.

Recommended Action The system has an internal error if this message is shown; contact your technical support representative.

`SYS-3-SEM_HOLDANY: Task [chars] holds too many semaphores`

Explanation This message indicates that a task is holding too many semaphores; [chars] is the name of the task.

Recommended Action This is an internal error. Contact your technical support representative.

`SYS-3-SEM_REQBAD: Task [chars] waits for the same semaphore [chars]`

Explanation This message indicates that a task was trying to request the same semaphore it already holds; [chars] is the name of the task and semaphore [chars] is the name of the semaphore.

Recommended Action This is an internal error. Contact your technical support representative.

`SYS-3-SEM_KERNELWAIT: Kernel wait for semaphore [chars]`

Explanation This message indicates that the kernel task requests a semaphore; [chars] is the semaphore name.

Recommended Action This is an internal error. Contact your technical support representative.

Note The next message appears as four lines.

```
SYS-3-MOD_FAILREASON: Module [dec] failed due to [chars]
[chars]
[chars]
[chars]
```

Explanation This message indicates that the module [dec] has failed because of [chars]. [dec] is the module number and [chars] is one of the following: CPU Initialization Error, Memory Test Failed, Boot Checksum Verification Failed, SPROM Checksum Verification Failed, EOBC Loopback Test Failed, LTL-A Error, Flash Erase/Write Error, Pinnacle CBL Error, Pinnacle Packet Buffer Error, Pinnacle TLB Error, or Unknown or Undocumented Error.

The first [chars] line is Ports disabled if the module is a non-ATM/Route Switch Module (RSM) (non-IOS). The second [chars] line is a description of the module type configured in NVRAM. The third [chars] line is a description of the module type inserted in the slot.

Recommended Action Try resetting the module. If this message reappears, insert a new module; if this message appears again, contact your technical support representative.

```
SYS-3-MOD_MINORFAIL: Minor problem in module [dec]
```

Explanation This message indicates that a module [dec] failed the self-test; [dec] is the module number.

Recommended Action Try resetting the module. If this message reappears, insert a new module; if this message reappears, contact your technical support representative.

```
SYS-3-SUP_AIMGDIFF: The nvram update tasks will not be running
```

Explanation This message indicates that the NVRAM update task is not running.

Recommended Action Perform a system reset. If the message reappears, contact your technical support representative.

`SYS-3-SUP_AIMGDIFF2: Please reset the system to rectify the problem`

Explanation This message indicates that a system reset must be performed to correct a problem.

Recommended Action Perform a system reset. If the message reappears, contact your technical support representative.

`SYS-3-PORT_NO64POLL1: SWPoll164bCnt task exits: failed to malloc scp queue buffers`

Explanation This message indicates that you may be out of memory and that the 64-bit counters have not been polled. You may need to increase DRAM size.

Recommended Action Contact your technical support representative.

`SYS-3-PORT_NO64POLL2: Memory allocation fail: no 64 bit counters for module [dec] will be available`

Explanation This message indicates that you may be out of memory and that the 64-bit counters have not been polled; [dec] is the module number. You may need to increase DRAM size.

Recommended Action Contact your technical support representative.

`SYS-3-MOD_FAIL: Module [dec] failed to come online`

Explanation This message indicates that module [dec] failed to come online; [dec] is the module number.

Recommended Action This message is provided for information only.

`SYS-3-PORT_SSUPFAIL: Failed to bring up ports on standby supervisor`

Explanation This message indicates either the Serial Link Protocol (SLP) channel between the active and standby supervisor engines is broken or that one or more ports on the standby supervisor engine are broken.

Recommended Action Reset the standby supervisor engine module. If that does not work, reset the system or call your technical support representative.

System Messages

`SYS-3-SUP_DNLDAREAEXCEED`: Download aborted. File size larger than download buffer

Explanation This message indicates that the file size exceeds the buffer size. Check that the image is correct.

Recommended Action Contact your technical support representative.

`SYS-3-SUP_ASIMGDIFF`: Active supervisor card is running a different version of NMP image

Explanation This message indicates that the active and standby supervisor engine images are different.

Recommended Action Contact your technical support representative.

`SYS-3-SUP_AOUTOFSYNC`: [chars] standby is out of sync

Explanation This message indicates that the active and standby supervisor communications are out of synchronization; [chars] is the task name.

Recommended Action Contact your technical support representative.

`SYS-3-SUP_AIMGTOOBIG`: [chars] image is larger than reserved memory

Explanation This message indicates that the image file to synchronize is too large to fit into the active supervisor engine buffer; [chars] is the task name.

Recommended Action Contact your technical support representative.

`SYS-3-SUP_SDNLDNOSPACE`: [chars] image larger than standby supervisor reserved memory

Explanation This message indicates that the image file to synchronize is too large to fit into the standby supervisor engine buffer; [chars] is the task name.

Recommended Action Contact your technical support representative.

`SYS-3-LLC_IPC2REGFAIL: Failed to register to Ibipc2`

Explanation This message indicates that the supervisor engine cannot communicate with the module for Layer 2 protocol packets.

Recommended Action Contact your technical support representative.

`SYS-3-LLC_SENDSCTPFAIL: Send scp message to module [dec] failed`

Explanation This is a debug message for Cisco development purposes.

Recommended Action Ignore this message.

`SYS-3-LLC_REGTBLEXIST: Entry exists in LLC registration table`

Explanation This is a debug message for Cisco development purposes.

Recommended Action Ignore this message.

`SYS-3-LLC_REGTBLNOTEXIST: Entry not exists in LLC registration table`

Explanation This is a debug message for Cisco development purposes.

Recommended Action Ignore this message.

`SYS-3-LLC_REGTBLFULL: Registration table full`

Explanation This message indicates that a Layer 2 protocol cannot be registered. The supervisor engine is unable to receive this protocol's packets.

Recommended Action Contact your technical support representative.

`SYS-3-LLC_SCPSTATNOTOK: Send scp message to module [dec] status [dec]`

Explanation This is a debug message for Cisco development purposes.

Recommended Action Ignore this message.

SYS-4-PORT_GBICNOTSUPP: Port [dec]/[dec] GBIC is unsupported

Explanation This message indicates that an installed Gigabit Ethernet Converter (GBIC) could not be identified because either the GBIC serial EPROM is bad or the GBIC is an unsupported version; [dec]/[dec] is the module number/port number of the faulty GBIC.

Recommended Action If you are using a Cisco-supported GBIC, call your technical support representative. If you are using an unsupported GBIC, either replace the unsupported GBIC with a supported GBIC or disregard the message.

SYS-5-SUP_IMGSYNCFINISH: Active supervisor has [chars] the NMP image

Explanation This message indicates that the active supervisor engine has [chars] the NMP image; [chars] is *copied* or *synchronized*.

Recommended Action This message is provided for information only.

SYS-5-SUP_IMGSYNCSTART:Standby supervisor is [chars] the NMP image

Explanation This message indicates that the standby supervisor engine is [chars] the NMP image; [chars] is *copying* or *synchronizing*.

Recommended Action This message is provided for information only.

SYS-5-SUP_BOOTSYNCFINISH: Supervisor's boot images are synchronized

Explanation This message indicates that the supervisor engine completed synchronizing the BOOT images.

Recommended Action This message is provided for information only.

SYS-5-SUP_MODSBY: Module [dec] is in standby mode

Explanation This message indicates that the module [dec] is in standby mode; [dec] is the module number.

Recommended Action This message is provided for information only.

`SYS-5-MOD_INSERT: Module [dec] has been inserted`

Explanation This message indicates that module [dec] was inserted; [dec] is the module number.

Recommended Action This message is provided for information only. If a module is inserted and the message does not appear, this might indicate a problem. Enter the **show module** or **show port** [*mod_num/port_num*] command to verify that the system has acknowledged the module and brought it online. If not, contact your technical support representative.

`SYS-5-MOD_REMOVE: Module [dec] has been removed`

Explanation This message indicates that module [dec] was removed; [dec] is the module number.

Recommended Action This message is provided for information only. If a module is removed and the message does not appear, this might indicate a problem. Enter the **show port** [*mod_num/port_num*] command to query the module. The system should respond as follows: `Module n is not installed`. If not, contact your technical support representative.

`SYS-5-MOD_RESET: Module [dec] reset from [chars]`

Explanation This message indicates that module [dec] was reset from [chars]; [dec] is the module number and [chars] is a console number if the request is from a console session or an IP address if the request is from a Telnet session or Simple Network Management Protocol (SNMP).

Recommended Action This message is provided for information only.

`SYS-5-SYS_RESET: System reset from [chars]`

Explanation This message indicates that the system was reset from [chars]; [chars] is a console number if the request is from a console session or IP address if the request is from a Telnet session or SNMP.

Recommended Action This message is provided for information only.

System Messages

`SYS-5-MOD_OK: Module [dec] is online`

Explanation This message indicates that module [dec] passed diagnostic self-test and is online; [dec] is the module number.

Recommended Action This message is provided for information only.

`SYS-5-SUP_MODNONSBY: Module [dec] is present but not in standby mode`

Explanation This message appears only when you are using Supervisor Engine III modules and only on the active Supervisor Engine III module; [dec] is the module number. This message occurs in a redundant supervisor system when one of the Supervisor Engine III modules has a problem booting up and is sent to the ROM-based monitor (ROMMON).

Recommended Action From the standby supervisor console, boot the standby supervisor manually. If the message reappears, contact your technical support representative.

`SYS-5-SPAN_CFGFAIL: Failed to configure source port [dec/dec]`

Explanation This message indicates that the span feature is not supported on the source module; [dec/dec] is the module number/port number.

Recommended Action This message is provided for information only.

`SYS-5-PORT_SSUPOK: Ports on standby supervisor (module [dec]) are up`

Explanation This message indicates that the ports on the standby supervisor are up on systems equipped with redundant supervisor engines; [dec] is the module number. This message occurs when the system is powered up or reset.

Recommended Action This message is provided for information only.

`SYS-5-MOD_NORESETACK: Module [dec] not responding... resetting module`

Explanation This message indicates that the supervisor engine or the NMP did not receive an acknowledgement from the module after it began executing its runtime code; [dec] is the module number. This message is displayed every three minutes. The module is reset each time. At the end of nine minutes, a failure is declared.

Recommended Action This message is provided for information only.

`SYS-5-MOD_NORESPONSE: Module [dec] failed to respond`

Explanation This message indicates that, after three resets, the module failed to send a reset acknowledgement to the NMP; [dec] is the module number. A failure is declared for the module.

Recommended Action Contact your technical support representative.

`SYS-5-MOD_RMVDNLDSTOP: Download terminated for module [dec]. Module removed`

Explanation This message indicates that during a code download, the module was removed; [dec] is the module number.

Recommended Action This message is provided for information only.

`SYS-5-MOD_DNLDFAIL: Download failed for module [dec]`

Explanation This message indicates that the code download failed for a particular module; [dec] is the module number.

Recommended Action Reset the module and try to reload the code. Contact your technical support representative.

`SYS-5-RTE_DEFGATEFROM: Default Gateway switching from [chars]`

Explanation This message indicates that the default IP gateway has failed; [chars] is the name of the IP gateway.

Recommended Action This message is provided for information only.

`SYS-5-RTE_DEFGATETO: Default Gateway switching to [chars]`

Explanation This message indicates that the IP gateway is the new default IP gateway; [chars] is the name of the gateway.

Recommended Action This message is provided for information only.

TACACS+ Messages

SYS-5-ERRBRDPRES: Erroneous Boards Present message has been received

Explanation This message indicates that the NMP received an invalid board present message from the MCP. The NMP ignores the message, so there is no effect to the system.

Recommended Action This message is provided for information only. You can perform a **show log** command to obtain a dump of the erroneous message.

SYS-7-LLC_TUNNEL: Tunnel-[chars]([dec]) ([chars], vlan [dec], proto [hex])

Explanation This is a debug message for Cisco development purposes.

Recommended Action Ignore this message.

TACACS+ Messages

This section contains the TACACS+ messages.

TAC-7-PAKSNDEERR: Error sending continue packet

Explanation This message indicates that the system is unable to send TACACS+ packets to the server.

Recommended Action Verify the TACACS+ server is online. If not, bring the TACACS+ server online. If the TACACS+ server is already online, contact your technical support representative.

TAC-7-BADADDR: Address not configured as a Server

Explanation This message appears during debugging only and indicates that the TACACS+ address is not configured as a server.

Recommended Action Configure the TACACS+ address as a TACACS+ server.

TAC-7-SOCKERR: Socket creation error

Explanation This message appears during debugging only and indicates that a bad network connection error occurred.

Recommended Action Retry the connection. If this message reappears, perform these steps, retrying the connection after each step:

- Step 1** Check the interface setup. If the interface is bad, reconfigure the interface setup and retry the connection; if the interface is good, proceed to the next step.
- Step 2** Check the network connection. If the connection is bad, repair it. If the connection is good, contact your technical support representative.
- Step 3** Check server operation; if the server is bad, contact your technical support representative. If the server is good, contact your technical support representative.

TAC-7-CONNERR: Socket connection error to [integer]

Explanation This message appears during debugging only. This message indicates that a bad network connection error occurred to the [integer]; [integer] is the server address.

Recommended Action Retry the connection. If this message reappears, perform these steps, retrying the connection after each step:

- Step 1** Check the interface setup. If the interface is bad, reconfigure the interface setup and retry the connection; if the interface is good, proceed to the next step.
- Step 2** Check the network connection. If the connection is bad, repair it. If the connection is good, contact your technical support representative.
- Step 3** Check server operation; if the server is bad, contact your technical support representative. If the server is good, contact your technical support representative.

TAC-7-BADDATA: Received unsane data from server

Explanation This message appears during debugging only; it indicates that data received from the server is not recognized.

Recommended Action Retry connection. If this message reappears, contact your technical support representative.

TAC-7-DECRYPTERR1: Decrypt: no key for encrypted packet

Explanation This message appears during debugging only; it indicates that the packet is encrypted but a key is not available.

Recommended Action Configure the correct key.

TAC-7-DECRYPTERR2: Decrypt: packet is unencrypted but we have a key

Explanation This message appears during debugging only; it indicates that the packet is unencrypted but a key is available.

Recommended Action Remove the key.

TAC-7-BADVER: Received packet with bad version

Explanation This message appears during debugging only; it indicates that a packet with a bad version was received.

Recommended Action Check the version of server software; upgrade if necessary.

TAC-7-BADSESS: Received packet with bad session id

Explanation This message appears during debugging only; it indicates that a packet with a bad session ID was received.

Recommended Action Retry operation. If this message reappears, contact your technical support representative.

TAC-7-BADLEN1: Received bad packet: length = [dec]

Explanation This message appears during debugging only. This message indicates that a bad packet was received; the length = [dec] is the bad packet length.

Recommended Action Retry operation. If this message reappears, contact your technical support representative.

TAC-7-BADLEN2: Received bad packet: length = [dec], expected [dec]

Explanation This message appears during debugging only. This message indicates that a bad packet was received; the length = [dec] is the bad packet length, and the second [dec] is the expected length.

Recommended Action Retry operation. If this message reappears, contact your technical support representative.

VLAN Membership Policy Server Messages

This section contains the VLAN Membership Policy Server (VMPS) messages.

VMPS-2-INVFILE: PARSER: Invalid File Format, syntax error at line [dec]

Explanation This message indicates that a syntax error exists at line number [dec] in the configuration file; [dec] is the line number in the configuration file.

Recommended Action Correct the error in the configuration file. If the message reappears, contact your technical support representative.

VMPS-2-PARSEMSG: PARSER: [dec] lines parsed, Errors [dec]

Explanation This message indicates that the VMPS parsed a [dec] number of lines in the configuration file and found [dec] errors; [dec] lines are the number of lines parsed, and Errors [dec] are the number of errors found.

Recommended Action Correct the error in the configuration file. If the message reappears, contact your technical support representative.

VMPS-2-NOMEM: Out of memory

Explanation This message indicates insufficient DRAM to load the VMPS configuration database.

Recommended Action Increase the DRAM on the supervisor engine. If the message reappears, contact your technical support representative.

VMPS-2-TASKCREATFAIL: Failed to create task

Explanation This message indicates the number of processes in the system reached the maximum limit.

Recommended Action Contact your technical support representative.

VMPS-2-SOCFAIL: Failed to create socket

Explanation This message indicates insufficient system resources.

Recommended Action Contact your technical support representative.

VMPS-2-BINDFAIL: Failed to bind socket

Explanation This message indicates insufficient system resources.

Recommended Action Contact your technical support representative.

VMPS-2-DOWNLOADFAIL1: Another download in progress, try later

Explanation This message indicates that another download process is currently in progress.

Recommended Action Try to download after the other process completes. If this message reappears, contact your technical support representative.

VMPS-2-DOWNLOADFAIL2: Unable to download file [chars]

Explanation This message indicates that either the Trivial File Transfer Protocol (TFTP) server is not online or the file does not exist on the server; [chars] is the VMPS filename.

Recommended Action Make sure that the server is online, and the filename and the pathname are correct and exist on the server. If any of these conditions have not been met, correct and put in place. If correct and in place, contact your technical support representative.

VMPS-2-NORES: Insufficient resources to build database

Explanation This message indicates that there is not enough DRAM to load the VMPS configuration database.

Recommended Action Increase the DRAM on the supervisor engine. If this message reappears, contact your technical support representative.

VMPS-2-NOMGTDOM: Management Domain not defined in configuration file

Explanation This message indicates that the management domain is not defined in the configuration file.

Recommended Action Configure the management domain name in the configuration file. If this message reappears, contact your technical support representative.

VMPS-2-ENABLEFAIL: VMPS Enable Failed

Explanation This message indicates that the attempt to enable VMPS failed.

Recommended Action This message is provided for information only.

VMPS-2-PREVCONF: VMPS is using the previous configuration

Explanation This message indicates that VMPS is using a previous configuration.

Recommended Action This message is provided for information only.

VMPS-2-DNLDFAIL: Download Failed. VMPS is now inactive

Explanation This message indicates that the attempt to download failed and VMPS is inactive.

Recommended Action This message is provided for information only.

VMPS-3-INVARGS: PARSER: Invalid no. of args at line [dec]

Explanation This message indicates a parsing error in the configuration file; [dec] is the line number in the configuration file.

Recommended Action Correct the error in the configuration file.

VMPS-3-BADKEYWD: PARSER: Unknown keyword [chars] at line [dec]

Explanation This message indicates that an unknown keyword [chars] exists at line number [dec] in the configuration file; [chars] is the keyword, and [dec] is the line number in the configuration file.

Recommended Action Correct the error in the configuration file. If this message reappears, contact your technical support representative.

VMPS-3-INVSYNTAX: PARSER: Invalid syntax at line [dec]

Explanation This message indicates that an invalid syntax exists at line [dec] in the configuration file; [dec] is the line number in the configuration file.

Recommended Action Correct the error in the configuration file. If this message reappears, contact your technical support representative.

VMPS-3-INVIP: PARSER: Invalid IP addr [chars] at line [dec]

Explanation This message indicates that an invalid IP address [chars] at line [dec] exists in the configuration file; [chars] is the IP address, and [dec] is the line number in the configuration file.

Recommended Action Correct the error in the configuration file. If this message reappears, contact your technical support representative.

VMPS-3-INVVLAN: PARSER: Invalid VLAN [chars] at line [dec]

Explanation This message indicates that an invalid VLAN [chars] at line [dec] exists in the configuration file; [chars] is the VLAN number and [dec] is the line number in the configuration file.

Recommended Action Correct the error in the configuration file. If this message reappears, contact your technical support representative.

VMPS-3-INVMAC: PARSER: Invalid MAC addr [chars] at line [dec]

Explanation This message indicates that an invalid MAC address [chars] at line [dec] exists in the configuration file; [chars] is the MAC address and [dec] is the line number in the configuration file.

Recommended Action Correct the error in the configuration file. If this message reappears, contact your technical support representative.

VMPS-3-INVVLANGRP: PARSER: Unknown VLAN group [chars] at line [dec]

Explanation This message indicates that an unknown VLAN group [chars] at line [dec] exists in the configuration file; [chars] is the VLAN group number and [dec] is the line number in the configuration file.

Recommended Action Correct the error in the configuration file. If this message reappears, contact your technical support representative.

VMPS-3-INVPORTGRP: PARSER: Unknown port group [chars] at line [dec]

Explanation This message indicates that an unknown port group [chars] at line [dec] exists in the configuration file; [chars] is the port group number, and [dec] is the line number in the configuration file.

Recommended Action Correct the error in the configuration file. If this message reappears, contact your technical support representative.

VLAN Membership Policy Server Messages

VMPS-7-INVVER: Invalid version 0x[hex] in packet

Explanation This message appears during debugging only and indicates that the server is running an older version of VMPS; 0x[hex] is the version the client is running.

Recommended Action Upgrade the server to a newer version.

VMPS-7-INVOPCODE: Invalid opcode 0x[hex] in packet

Explanation This message appears during debugging only and indicates that the server received an invalid request from the client; 0x[hex] is the invalid request number.

Recommended Action Contact your technical support representative.

VMPS-7-INVLEN: Invalid length [dec] for IP address

Explanation This message appears during debugging only and indicates that the server received an invalid request from the client; [dec] is the length of invalid data in the request.

Recommended Action Contact your technical support representative.

VMPS-7-INVTLV: Invalid TLV type 0x[hex]

Explanation This message appears during debugging only and indicates that the server received an invalid request from the client; 0x[hex] is the invalid data in the request.

Recommended Action Contact your technical support representative.

VLAN Trunking Protocol Messages

This section contains the VLAN Trunking Protocol (VTP) messages.

VTP-2-LLCRXFAIL: LLC couldn't parse received vtp packet.

Explanation This message indicates an internal error in LLC.

Recommended Action Contact your technical support representative.

VTP-2-RXINVSUMMARY: rx invalid summary from [chars], len=[dec], rev=[dec]

Explanation This message indicates that the sanity check in VTP detects a received VTP message with an invalid length; [chars] is the module/port where the message was received, the first [dec] is the message length, and the second [dec] is the configuration revision number.

Recommended Action Contact your technical support representative.

VTP-2-TXINVSUMMARY: tx invalid summary to [dec]/[dec], len=[dec]

Explanation This message indicates that the sanity check in VTP detects a VTP message with an invalid length to be transmitted; [dec]/[dec] is the destination module/port, and [dec] is the message length.

Recommended Action Contact your customer service representative.

VTP-2-ISL1QMAPSCPSSENDFAIL: Send [chars] via scp failed to module [dec]

Explanation This message indicates that an Serial Communications Protocol (SCP) message failed to reach the module. [chars] is the information sent and [dec] is the module number to which the message was sent.

Recommended Action This message is provided for information only.

VLAN Trunking Protocol Messages

VTP-2-ISL1QMAPMALLOCFAIL: Malloc failed [chars]

Explanation This message indicates that memory allocation failed. The [chars] field is the action.

Recommended Action This message is provided for information only.

VTP-4-NODOMAIN: domain [chars] not found

Explanation This message indicates that domain [chars] cannot be found; [chars] is the domain name.

Recommended Action Contact your technical support representative.

VTP-4-DBLOCKED: Database for domain [chars] locked, giving up

Explanation This message indicates that the database for domain [chars] is locked; [chars] is the domain name and will not permit entry.

Recommended Action Contact your technical support representative.

VTP-4-NOVLAN: vlan [dec] not found (mode = [dec])

Explanation This message indicates that the VLAN cannot be found while trying to modify or delete it; [dec] is the VLAN number and (mode = [dec]) is the mode value.

Recommended Action This message is intended as an informational warning only.

VTP-4-NOTSERVER: Cannot configure a VLAN in client mode

Explanation This message indicates that the user tried to create a VLAN when VTP is in client mode.

Recommended Action You can change VTP to server or transparent mode to create the VLAN.

VTP-4-ISL1QMAPSCPSTATUSNOTOK: Send [chars] via scp to Module [dec]
result no OK, status = [dec]

Explanation This message indicates that the information sent to the module through SCP was not transmitted successfully; [chars] is the message sent, module [dec] is the module number where the message was sent, and status = [dec] is the error message.

Recommended Action This message is provided for information only.

VTP-6-VLANCHG: VLAN [dec] [chars]ed

Explanation This message indicates that VLAN [dec] is [chars]; [dec] is the VLAN number, and [chars]ed is added, modified, or deleted.

Recommended Action This message is provided for information only.

VTP-6-DOMAINCHG: Domain [chars] modified

Explanation This message indicates that domain [chars] was modified; [chars] is the domain name.

Recommended Action This message is provided for information only.

