System Messaging Platform Reference Guide

Passport 8000 Series Software Release 3.7

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Preface

Nortel Networks* Passport 8000 Series* switch is flexible and multifunctional, supporting a diverse range of network architectures and protocols. This guide for the Passport 8000 Series switch provides a general description of the design principles underlying System Messaging Platform features.

Before you begin

This guide is intended for network designers and administrators with the following background:

- Basic knowledge of networks, Ethernet bridging, and IP and IPX routing
- Familiarity with networking concepts and terminology
- Basic knowledge of network topologies
- Experience with window systems or graphical user interfaces (GUIs)

Text conventions

This guide uses the following text conventions:

angle brackets (< >)	Indicate that you choose the text to enter based on the description inside the brackets. Do not type the brackets when entering the command. Example: If the command syntax is `ping <ip_address>`, you enter `ping 192.32.10.12`
bold Courier text	Indicates command names and options and text that you need to enter. Example: Use the **dinfo** command. Example: Enter **show ip** {**alerts**|**routes**}.
braces ({})	Indicate required elements in syntax descriptions where there is more than one option. You must choose only one of the options. Do not type the braces when entering the command. Example: If the command syntax is `show ip {alerts|routes}`, you must enter either `show ip alerts` or `show ip routes`, but not both.
brackets ([ ])	Indicate optional elements in syntax descriptions. Do not type the brackets when entering the command. Example: If the command syntax is `show ip interfaces [-alerts]`, you can enter either `show ip interfaces` or `show ip interfaces -alerts`.
italic text	Indicates new terms, book titles, and variables in command syntax descriptions. Where a variable is two or more words, the words are connected by an underscore. Example: If the command syntax is `show at <valid_route>`, *valid_route* is one variable and you substitute one value for it.
plain Courier text	Indicates command syntax and system output, for example, prompts and system messages. Example: `Set Trap Monitor Filters`

separator (>)	Shows menu paths.
	Example: Protocols > IP identifies the IP command on the Protocols menu.
vertical line (	)	Separates choices for command keywords and arguments. Enter only one of the choices. Do not type the vertical line when entering the command.
	Example: If the command syntax is `show ip {alerts|routes}`, you enter either `show ip alerts` or `show ip routes`, but not both.

Acronyms

This guide uses the following acronyms:

BootP	Bootstrap Protocol
CPU	Central Processing Unit
FTP	File Transfer Protocol
IP	Internet Protocol
MAC	Media Access Control
MAU	Media Access Unit
MDI-X	Medium Dependent Interface Crossover
NBMA	Nonbroadcast Multi-access
NP	Nortel Proprietary
OSPF	Open Shortest Path First
PPP	Point-to-Point Protocol
SF	Switch Fabric
SMP	System Messaging Platform
SNMP	Simple Network Management Protocol
TCP/IP	Transmission Control Protocol/Internet Protocol
TELNET	Network Virtual Terminal Protocol

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Chapter 1
System Messaging Platform

The System Messaging Platform (SMP) creates a scheme for the display and access of system messages. SMP enhances your access of information by offering greater serviceability.

In addition to standardizing system messages, SMP captures all relevant error information (system messages and crash dumps) in a single file. SMP helps in collecting, analyzing, and providing solutions to issues in a timely manner.

Log Message format

The log messages for the Passport 8000 Series switch now have a standardized format.

Tagging of messages

All system messages are tagged with the following, as shown in "Message Format.

- Category: The Category of the log message. Refer to Table 1 for possible categories.
- Module ID: Software module from which the log is generated
- CPU/SF slot: This identifies which slot of the CPU generated the log message.
- Nortel Proprietary (NP) information for debugging purposes.

Message Format

The SMP message format is as follows:

<Module ID><Task><NP info><CPU slot><Time stamp><Category><Severity>

Example

VLAN Task=tTrapd No-interface CPU5 [10/14/98 15:46:26] VLAN WARNING Link Down

> ➡ **Note:** The NP information, shown in *italics*, is encrypted before being written into the Syslog file. The encrypted information is for debugging purposes only. Thus, they are not readable on the switch. It can be decrypted only by Customer Service engineer. The CLI commands display the logs without the encrypted information. It is not advisable to edit the log file.

Table 1,Table 2, and Table 3 provide a list of message categories, severity levels, and CPU examples, respectively.

Table 1 SMP categories

SMP Categories			
ATM	IPMC	PIM	SNMP
CPU	IP-RIP	POLICY	STG
DVMRP	IPX	POS	SW
FILTER	MLT	QOS	VLAN
HW	NONE	RADIUS	WEB
IGMP	OSPF	RMON	

Table 2 SMP severity levels

Severity level	Definition
Info	Information only. No action is required.
Error	A nonfatal condition has occurred. You may be required to take appropriate action. For example, an error message is generated when the system is unable to lock onto the semaphore before initialization of the IP addresses configured for the SMP log file transfer to a remote host.
Warning	A nonfatal condition has occurred. No immediate action is needed.
Fatal	A nonfatal condition has occurred that the system cannot recover from without rebooting. For example, a fatal message is generated when the configuration database is corrupted.

Table 3 SMP CPU examples

CPU examples {string length 0.25}	
CPU1	CPU4
CPU2	CPU5
CPU3	CPU6

Crash dump information

All crash dump information is captured, encrypted, and stored in a log file for debugging purpose. The time of crash dump occurrence is also captured. Crash dump information is only retained when logging to a PCMCIA card. This information is not saved to DRAM.

Log file modifications

SMP changes the way syslog files are captured and named.

Log file

The syslog.txt and sysHwlog.txt files have been merged to enhance the maintainability of the logs. Thus, both hardware and software messages are captured in the same, single log file. This log file is simultaneously saved to DRAM and the PCMCIA card (if available).

→ **Note:** Nortel Networks strongly recommends logging to a PCMCIA card and keeping a PCMCIA card in each CPU at all time. The DRAM has limited memory allocated to SMP. DRAM logs are stored in a circular list, which will overwrite older log messages when the log fills up. The DRAM log also does not contain any encrypted information, which may limit the information available during troubleshooting.

Log file naming convention

The following are the naming conventions of the log file.

• The log file is named according to 8.3 (*xxxxxxxx.sss*) format in which the first 6 characters of the log file name contains the last three bytes of the chassis base MAC address. The next two characters specify the slot number of CPU that generated the logs. The last three characters (*sss*) denote the sequence number of the log file.

- The sequence number of the log file is incremented after every successful auto-transfer of the file to the remote host (see "Transfer of a log file to remote machine).

- After reboot, the logs are stored in the log file name with the highest sequence number present in the PCMCIA. If the log file does not exist, then a new log file with the sequence number `000` is created and the logs are stored.

Transfer of a log file to remote machine

The system logs contain important information for debugging and maintaining your Passport 8000 Series switch. When logging to the PCMCIA card, the log file is automatically transferred to a remote host when the size parameters you specified are met. You can configure up to 10 remote hosts, creating long-term backup storage of your system log files.

> **Note:** Of the 10 configured remote hosts, 1 is the primary host and the other 9 are redundant. Upon initiating a transfer, SMP always attempts to use host 1 first. If host 1 is not reachable, host 2 is tried, then host 3, etc.

If the auto-transfer of the log file is unsuccessful, SMP will log any future messages in the DRAM, instead of the PCMCIA.

You can specify the following, based on which file you are transferring to a remote machine:

- Configurable log size parameters (Table 4)
- IP address of remote host
- File name – The name of the file that is to be stored in the remote host

> **Note:** It is recommended that you should not set this option. Setting this option causes the syslog file to be overwritten on the remote server.

• Username and password, if required

> **Note:** This is configured by using the command `config bootconfig host user <value>` and `config bootconfig host password <value>`. Be aware that this password is not encrypted and is saved in plain-text format in the `bootconfig` file.

The log file is transferred to the remote machine by FTP if a username and password are configured. Otherwise, TFTP is used to transfer the log file. For TFTP, the destination file must have write permission in the remote host. All of your FTP transfer hosts must use the same username and password. This includes hosts used to copy files as well as the SMP log.

> **Note:** The IP address you configured for the remote host must be reachable.

> **Note:** Nortel Networks strongly recommends renaming any log file before transferring it from a host to the switch (for example, for use with the `show log file name-of-file <filename>` command). Failure to rename the log file may cause the switch to use the recently transferred file as the current log, if the sequence number in the extension is higher than the current log file. For example, if bf800005.002 is the current log file and the you transfer bf800005.007 to the switch, the switch will log future messages to the bf800005.007 file. This can be avoided by renaming log files to something other than the format used by SMP.

> → **Note:** If your TFTP server is a UNIX-based machine, any files written to the server must already exist. For example, you must create dummy files with the same names as your system logs if they are to be saved properly on a UNIX TFTP server. This is commonly done by using the `touch` command (for example, `touch bf800005.001`)

Table 4 User configurable parameters for triggering of transfer of log file

Parameter	Description	Default value
`Minsize`	Minimum acceptable free space available on the PCMCIA for logging.	100 KB
`Maxsize`	Maximum size of the log file on the PCMCIA.	1 MB
`maxoccupypercentage`	Specifies the amount of memory to use for SMP logging when the Maxsize parameter cannot be met.	90%

Transfer criteria

Before logging a system message on the PCMCIA card, SMP calculates the space available for logging according to the parameters defined. Logging either continues on the PCMCIA card, or SMP transfers the existing log to a remote host. When the current log is transferred, a new log file is created on the PCMCIA card. If there is not enough free space on the PCMCIA card (not including the current log file size) for the log to reach the configured minsize parameter, SMP transfers the log and begins logging to DRAM until there is enough free space on the PCMCIA card.

Example 1

The Passport 8000 Series switch has been in operation for some time with an 8MB (8192KB) PCMCIA card installed.

The configured parameters are as follows:

• `minsize`: 100KB

- `maxsize`: 2048KB
- `maxoccupyPercentage`: 90

Current operating parameters are as follows:

- PCMCIA card size: 8192KB
- Current log file size: 200KB

There are no files on the PCMCIA card except for the current SMP log file. The system recalculates the allowable log file size as follows:

- Space available to SMP: 8192KB - 0KB = 8192KB
- Allowed log file size: 2048KB

The current log file will be transferred to a remote host when the log file size reaches the configured maxsize of 2048KB. The `maxoccupyPercentage` parameter does not have any affect in this example, since the space available for SMP is so much greater than the `maxsize` parameter.

Example 2

The Passport 8000 Series switch has been in operation for some time with an 8MB (8192KB) PCMCIA card installed.

The configured parameters are as follows:

- `minsize`: 100KB
- `maxsize`: 2048KB
- `maxoccupyPercentage`: 90

Current operating parameters are as follows:

- PCMCIA card size:8192KB
- Current log file size: 1000KB

There are some image and configuration files on the PCMCIA card which take up a total of 6144KB. The system recalculates the allowable log file size as follows:

- Space available to SMP: 8192KB - 6144KB = 2048KB

- Allowed log file size: 2048KB * 0.90 = 1843KB

The log file will be transferred to a remote host when it reaches 1843KB. A transfer is triggered at 1843KB, rather than 2048KB, because of the maxoccupyPercentage parameter. This parameter, set at 90% in this example, ensures that the PCMCIA card never completely fills to 100% capacity. Therefore, a transfer of the log file is triggered by either maxsize or maxoccuptPercentage, whichever is reached first.

Example 3

The Passport 8000 Series switch has been in operation for some time with an 8MB (8192KB) PCMCIA card installed.

The configured parameters are as follows:

- minsize: 500KB
- maxsize: 2048KB
- maxoccupyPercentage: 90

Current operating parameters are as follows:

- PCMCIA card size: 8192KB
- Current log file size: 200KB

There are some image and configuration files on the PCMCIA card that take up a total of 7782KB. The system recalculates the allowable log file size as follows:

- Space available to SMP: 8192KB - 7782KB = 410KB
- Allowed log file size: 410KB * 0.90 = 369KB

The log file is immediately transferred to a remote host the next time a log message is generated. Logging to the PCMCIA card also stops, and system logging is continued in DRAM on the CPU.

The allowed log file size is below the set `minsize` parameter for the log. In this scenario, the system transfers the log when it checks the available space on the PCMCIA card before writing the next log message. After the transfer, there are only 410KB free on the PCMCIA card. Since this is below the set `minsize`, no new messages are saved to the PCMCIA card until more space is available to SMP on the PCMCIA card.

The log file is transferred to a remote host when it reaches 1843KB. A transfer is triggered at 1843KB rather than 2048KB because of the `maxoccupyPercentage` parameter. This parameter, set at 90% in this example, ensures that the PCMCIA card never completely fills to 100% capacity. Therefore, a transfer of the log file is triggered by either `maxsize` or `maxoccuptPercentage`, whichever is reached first.

> **Note:** Make sure you have sufficient space for the SMP log on your PCMCIA card. Smaller amounts of free space for the log cause more frequent TFTP/FTP transfers.

If FTP/TFTP fails, a message indicating the failure is generated. Also, if all the configured hosts are unreachable and the transfer fails, a log message is generated and the logging of messages to the PCMCIA is stopped. Logging continues in the DRAM, and a trap is generated.

After the current SMP log file is transferred to a remote host and the transfer verified as successful, the SMP log on the PCMCIA card is deleted. A new log file is started, with the extension incremented by 1 (for example, /pcmcia/ bf800005.003 is transferred then deleted and /pcmcia/bf800005.004 is created)

Chapter 2
Setting up SMP using the CLI

This chapter includes the following topics that describe how to set up SMP logs using the CLI:

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Displaying logs by file name, category, severity, and CPU

To display log information by file name, category, severity, or CPU, enter the following command:

```
show log file [tail] [name-of-file <value>] [category <value>] [severity
<value>] [CPU <value>] [save-to-file <value>]
```

show log file [tail] followed by:	
name-of-file	Displays the valid logs from the file name specified by the user. This command cannot be used on the current log file (the file into which the messages are currently logged). For example the name of the file could be /pcmcia/logcopy.txt.
category, severity, and CPU	Filters and lists the logs (individually or combined) according to category, severity, and the CPU that generated it. The categories are as shown in Table1.
save-to-file	Redirects the output to a file specified and removes all encrypted information. The tail option is not supported with the *Save-to-file* option.

Configuration example

This configuration example uses the above commands to show all of the log messages generated by OSPF or IP with severity levels of ERROR or WARNING. The example also displays the log messages from the specified file name, `/pcmcia/sample.txt`.

```
8600# show log file category OSPF|IP severity ERROR|WARNING cpu CPU3.
8600#show log file name-of-file /pcmcia/sample.txt.
```

Defining transfer criteria for the log file

To define transfer criteria for log transfer, use the CLI command:

config bootconfig logfile minsize maxsize maxcopyPercentage

`config bootconfig`
`logfile`
followed by:	

`[minsize]`	Minimum size of the log file in KB. The range is 64KB..500KB.
`[maxsize]`	Maximum size of the log file in KB. The range is 500KB..16384KB.
`[maxoccupyPercentage]`	Percentage of free PCMCIA that can be used for the log file. The range is 10.. 90.

Configuration example

This configuration example uses the above commands to specify a minimum SMP log file size of 200KB, a maximum log file size of 1024KB, and the percentage of free space on the PCMCIA card that can be used for the log file (90%).

```
8610:5# config bootconfig logfile 200 1024 90
```

You can change these parameters, although they are stored in the boot config file, at anytime without rebooting the system. Changes made to these parameters take affect immediately.

Configuring the remote host address and filename for log transfer

To configure the remote host address and filename for log transfer, use the CLI command:

config log transferFile <id>

config log transferFile <id> followed by:	
id	Specifies an ID for the log file. The range is 1..10.
add-IP	Adds the IP address of the host to which the log file needs to be transferred. You can configure only a reachable remote host.
filename <str>	Replace <str> with the file name of the file stored in the remote host. If not configured, the current log file name is the default. If this option is set, the previously transferred log file is overwritten on the remote server. **Note:** It is recommended that you not set this option.
info	Shows the configured IP address and the file name for the remote host.
remove-IP	Removes the IP address configured by the user. It is then set to the default (0.0.0.0).

> **Note:** When the PCMCIA card is removed from the master CPU, a trap is generated and system logging continues in DRAM only.

Configuration example

This configuration example uses the above commands to add an IP address for a new host.

```
8610:5/config/log# transferFile 1
8610:5/config/log/transferFile/1#
8610:5/config/log/transferFile/1# add-IP 10.10.42.1
8610:5/config/log/transferFile/1# info
Sub-Context:
Current Context:

        RemoteIPAddress : 10.10.42.1
             File Name : 39d00005.000
```

If the IP address you are attempting to configure is not reachable, the following message is displayed:

```
Destination IP address not reachable !!! Could not configure
```

Logging system messages to the PCMCIA card

To begin or stop logging system messages on the PCMCIA card, use the following command:

config log logToPCMCIA

config log logToPCMCIA followed by:	
true	Begins logging system messages on the PCMCIA card. The following message is returned: Logging to PCMCIA STARTED.
false	Begins logging system messages on the PCMCIA card. The following message is returned: Logging to PCMCIA STOPPED.

> ⚠ **Warning:** Before removing the PCMCIA card from your master CPU, you must stop logging using the above command. Failure to do so may corrupt the file system on the PCMCIA card and cause your log file to be permanently lost.

Chapter 3
SMP log error messages

This chapter lists SMP error messages in alphabetical order. Each message has a severity level, description, and a recommended response, if required.

Message	-FATAL- ospf_config_grp_table_notify: malloc failed!
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	-FATAL- ospf_lsdb_table_sync: malloc failed! msg len = <length>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	-FATAL- ospf_route_table_sync: malloc failed!
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL- ospf_route_table_sync: malloc failed!
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL- ospf_send_admin_stat_enable_msg: malloc failed!
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL- ospfNodeTblSync: malloc failed!
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL- ospfsync_area_config_address_range_sync: malloc failed! msg len = <len>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL- ospfsync_area_entry_sync: malloc failed! msg len <len>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL- ospfsync_host_route_sync: malloc failed! msg len <length>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL- ospfsync_nbma_nbr_entry_notify: malloc failed!
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL- ospfsync_nbr_entry_notify: malloc failed!
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL-ospfOsCircuitTblEntrySync: malloc failed!
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	-FATAL- remote mirroring data sync: malloc failed!
Severity	ERROR
Description	Could not sync the remote mirroring data to slave CPU in HA mode
Synopsis	N/A
Action	Redo the remote mirroring configuration on Master or re-boot the slave

Message	2 MLT's per WSM is required!
Severity	Info
Description	This message is generated when there are no MLTs available. Two MLTs are required for the Web Switching Module to initialize.
Synopsis	N/A
Action	Free two MLTs on the switch and re-insert the Web Switching Module.

Message	Add ARP __ Failed for RSMLT PEER. IP RSMLT is not working properly
Severity	Warning
Description	This message is generated when RSMLT transfers to Holdup Forward state and it is unable to add ARP entry for peer RSMLT.
Synopsis	N/A
Action	Contact customer service.

Message	Add IP RSMLT temporary default route failed when IST up
Severity	Error
Description	This message is generated when it is unable to add the temporary default route when the IST comes up.
Synopsis	N/A
Action	Contact customer support.

Message	alsClientRegister returns
Severity	Error
Description	This message is generated if the registering of a client fails. This can be due to unavailable memory spaces for creation of a new memory block for the client.
Synopsis	Unable to register client.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	alsWriteClientRecord failed
Severity	Error
Description	This message is generated if the alsWriteClientRecord fails.
Synopsis	The als procedure failed.
Action	Not applicable

Message	and communication may have been lost
Severity	Info
Description	This message is generated when the chassis doesn't automatically reset the misbehaving Web Switching Module.
Synopsis	N/A
Action	N/A

Message	arpEventSyncCallback: corrupt message
Severity	Error
Description	Software version mismatch between master and HA-CPU
Synopsis	Hot-standby static ARP data will be out of sync with master CPU.
Action	Check software versions between master and HA-CPU. Contact customer service and have the following information available: software version on both CPUs.

Message	arpEventSyncCallback: corrupt message at config Static ARP
Severity	Error
Description	Static ARP sync message received by HA-CPU is NULL.
Synopsis	Hot-standby static ARP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	arpEventSyncCallback: failed to sync ARP Static Mcast Mac vlan <int> <mac address>
Severity	Error
Description	Failed to create static multicast ARP record on HA-CPU
Synopsis	Hot-standby ARP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	arpSyncNotify: failed to sync <int> ARPs
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby ARP data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	arpSyncNotify: failed to sync <int> Static ARP records
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby ARP data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	arpSyncNotify: incompatible size of ARPENT <int> <int> or tArpRec <int> <int>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby ARP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	arpSyncNotify: malloc failed!
Severity	Error
Description	Framework message memory allocation failed
Synopsis	Hot-standby ARP data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	arpTableSyncHandler: corrupt message
Severity	Error
Description	Software version mismatch between master and HA-CPU.
Synopsis	Hot-standby ARP data will be out of sync with master CPU.
Action	Check software versions between master and HA-CPU. Contact customer service and have the following information available: software version on both CPUs.

Message	arpTableSyncHandler: corrupt msg at Dyn ARP
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby ARP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	arpTableSyncHandler: exceed NVRAM limit during restoring Static ARP
Severity	Error
Description	Static ARP table is full.
Synopsis	Hot-standby ARP data will be out of sync with master CPU.
Action	Check software versions between master and HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	arpTableSyncHandler: mstrkey <int> mismatching my Hash Key <int>
Severity	Error
Description	Hash key calculated on HA-CPU does not match that of master CPU.
Synopsis	Hot-standby ARP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	arpTableSyncHandler: unable to save the Static ARP <ipa> to nvram
Severity	Error
Description	Creating static ARP record on HA-CPU failed.
Synopsis	Hot-standby ARP data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroAddPortsToMlt: fail rcMltTblGet mlt
Severity	Error
Description	This message is generated when fetching rows from MLT table fails.
Synopsis	Internal Error
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroAddVlanToTrunk: MltTblGet Error
Severity	Error
Description	This message is generated when attempt to configure trunk fails.
Synopsis	Trunk cannot be configured.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroAddVlanToTrunk: MltTblGet Error
Severity	Error
Description	This message is generated when rows cannot be fetched from the MLT table.
Synopsis	Internal error
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroAssignMgmtVlanIP: Assigned IP to vlan
Severity	Info
Description	This message is generated when Ip address is assigned to a VLAN in a non-hidden mode.
Synopsis	IP address assigned.
Action	N/A

Message	astroAssignMgmtVlanIP: fail consistency check
Severity	Error
Description	This message is generated when performing a consistency check on a SET fails.
Synopsis	Consistency check failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroAssignMgmtVlanIP: fail vlan set
Severity	Error
Description	This message is generated when setting of a VLAN fails.
Synopsis	VLAN nor set.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astrobootp: Can't queue message!
Severity	Error
Description	This message is generated when queuing of messages fails.
Synopsis	Cannot queue the message.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astrobootp: Failed to create NON-IMC VLAN
Severity	Error
Description	This message is generated when attempt of creating a VLAN for astro fails.
Synopsis	Cannot create VLAN.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astrobootp: Received BOOTP Req from Slot
Severity	Error
Description	This message is generated when mode is not hidden.
Synopsis	Mode invalid
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astrobootp: Received BOOTP Req from Slot
Severity	Error
Description	This message is generated when invalid slot is selected.
Synopsis	Slot invalid
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroBootp: Slot __ - assigned __
Severity	Info
Description	This message is generated to specify slot number and the new IP address.
Synopsis	N/A
Action	N/A

Message	astroBootpInit: Can't create!
Severity	Error
Description	This message is generated when an attempt to create a semaphore, which is used to control re-entrance to the routing process, fails.
Synopsis	The semaphore creation failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroBootpInit: Fail to create msg queue for PreConfigTask
Severity	Error
Description	This message is generated when an attempt to create message queue for PreConfigTask fails.
Synopsis	Message queue creation failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroChkEntry: Can't notify IMC!
Severity	Error
Description	Communication with Web Switching Module is not possible. (Unable to send message to WSM message queue).
Synopsis	The semaphore creation failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroChkEntry: IP already assigned
Severity	Info
Description	This message is generated when mode is not hidden.
Synopsis	Mode invalid
Action	N/A

Message	astroChkEntry: Removed previous info and restart
Severity	Info
Description	This message is generated when mode is not hidden.
Synopsis	Mode invalid
Action	N/A

Message	astroCreateVlan: Created VLAN
Severity	Info
Description	This message is generated when creation of a VLAN successes in non-hidden mode.
Synopsis	A VLAN was created.
Action	N/A

Message	astroCreateVlan: Failed to Create VLAN
Severity	Error
Description	This message is generated when creation of a VLAN fails.
Synopsis	Cannot create VLAN.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroGetMlt 1: Failed to configure trunk
Severity	Error
Description	This message is generated when attempt to configure trunk fails.
Synopsis	The trunk cannot be configured.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroGetMlt: No more MLT to configure this WSM card
Severity	Error
Description	This message is generated when grabbing of two MLTs fails.
Synopsis	No Free MLT to grab.
Action	Free unused MLTs.

Message	astroInformIMC for Slot __
Severity	Info
Message	This message is generated when requested slot number matches with what is in the database, requested IP address matches with what is in the database, and bootp to IMC trigger successes in non-hidden mode.
Synopsis	BOOTP triggered IMC for Web Switching Module in the mentioned slot.
Action	N/A

Message	astroInformIMC: bootp to IMC trigger failed
Severity	Error
Description	This message is generated when requested IP address matches with what's there in the database and bootp to IMC trigger failed.
Synopsis	The trigger failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroInformIMC: erroneous invocation
Severity	Error
Description	A requested IP address does not match the address in the database.
Synopsis	IP address mismatch.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroInformIMC: slot number does not match
Severity	Error
Description	A requested slot number does not match what's there in the database.
Synopsis	Slot mismatch.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroootp: failed to get NewIpAddress
Severity	Error
Description	An attempt to get a new IP address has failed. The database is probably corrupted.
Synopsis	Cannot get IP address.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroPreConfig 1 Slot __: Failed to add ports to IMC mlt
Severity	Error
Description	This message is generated when adding ports to IMC MLT fails.
Synopsis	Ports are not added to IMC MLT.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroPreConfig 1 Slot __: Failed to add vlan: __ to mlt
Severity	Error
Description	This message is generated when adding vlan to MLT fails.
Synopsis	vlan is not/are not added.
Action	Try to add VLAN to MLT or Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroPreConfig 1 Slot __: Failed to add vlan
Severity	Error
Description	This message is generated when addition of a VLAN to a trunk fails.
Synopsis	Addition of VLAN failed.
Action	Check VLAN configuration. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroPreConfig 2 Slot __: Failed to add ports to NON_IMC mlt
Severity	Error
Description	This message is generated when adding ports to NON IMC MLT fails.
Synopsis	Ports are not added.
Action	Try to add VLAN to non IMC MLT. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroPreConfig Slot %d: Failed to enable tagging on MLT
Severity	Error
Description	This message is generated when tagging on the MLT fails.
Synopsis	MLT assigned for Web Switching Module is not getting tagged.
Action	Enable tagging on the MLT.

Message	astroPreConfig Successful for slot
Severity	Info
Description	Successfully created the MLT and added the ports and assigned VLANS for Web Switching Module communication.
Synopsis	N/A
Action	N/A

Message	astroPreConfig: Failed to get 2 MLTs for slot
Severity	Error
Description	This message is generated when two MLTs are not available for a slot.
Synopsis	MLTs not free.
Action	Free MLT. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroPreConfig:Got MLTs
Severity	Info
Description	This message is generated when two MLTs are available.
Synopsis	N/A
Action	N/A

Message	AstroPreConfigTask - Init failed
Severity	Error
Description	This message is generated when the task, which kicks off to handle pre-configuration setup, could not be spawned off.
Synopsis	Spawning of task fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroPreConfigTask: Invalid slot #
Severity	Error
Description	This message is generated when slot number is invalid.
Synopsis	Invalid slot number
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroReleaseTrunk: Failed to Remove Trunk
Severity	Error
Description	This message is generated when removing a trunk fails.
Synopsis	Trunk not removed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Add ARP __ Failed for RSMLT PEER. IP RSMLT is not working properly
Severity	Warning
Description	This message is generated when RSMLT transfers to Holdup Forward state and it is unable to add ARP entry for peer RSMLT.
Synopsis	N/A
Action	Contact customer service.

Message	astroReleaseTrunk: Removed Trunk
Severity	Info
Description	This message is generated to specify that trunk is removed.
Synopsis	N/A
Action	N/A

Message	astroSendBootPReply: Unable to allocate an output buffer
Severity	Error
Description	This message is generated when memory allocation fails.
Synopsis	Cannot allocate memory dynamically.
Action	Close all CLI sessions to free the memory.

Message	astroSetPortDefaultVlan: failed consistency check
Severity	Error
Description	This message is generated when consistency check fails for a port.
Synopsis	consistency check fails.
Action	Port should be in valid range. It shouldn't be part of MLT. If ATM port tagging should be enabled, if POS port & BCP is there, tagging should be disabled. Check whether port is configurable, single-routable, or locked. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroSetPortDefaultVlan: failed set
Severity	Error
Description	This message is generated when setting of specified default VLAN for the specified Web Switching Module port fails during the pre-configuration on system initialization.
Synopsis	Cannot set default VLAN
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroTrunkPerformTag: fail to tag mlt
Severity	Error
Description	This message is generated when tagging of a MLTfails.
Synopsis	MLT could not be tagged.
Action	Check mlt configuration. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroUpdateBackFacingTrunk: can't take semaphore
Severity	Error
Description	This message is generated when taking of semaphore fails.
Synopsis	Getting semaphore failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroUpdateCurrConn: conn count negative
Severity	Error
Description	This message is generated when number of outstanding connection to a Web Switching Module is less than zero.
Synopsis	No established connection.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroWSMInserted in slot
Severity	Info
Description	This message is generated when a Web Switching Module is inserted successfully in non-hidden mode.
Synopsis	Card inserted
Action	N/A

Message	astroWSMRemoved from slot number __
Severity	Info
Description	This message is generated when a Web Switching Module is removed successfully in non-hidden mode.
Synopsis	Card removed
Action	N/A

Message	astroWSMRemoved: Can't notify IMC
Severity	Error
Description	This message is generated when a Web Switching Module is pulled out
Synopsis	Hardware detached.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	astroWSMRemoved from slot number __
Severity	Info
Description	This message is generated when a Web Switching Module is removed successfully in non-hidden mode.
Synopsis	Card removed
Action	N/A

Message	astroWSMRemoved: Can't notify IMC
Severity	Error
Description	This message is generated when a Web Switching Module is pulled out.
Synopsis	Hardware detached.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Bkend state of Port -- - Recd EAP request from Server
Severity	Info
Description	This message is generated when 8021x Backend Authentication State Machine receives EAP request from RADIUS server.
Synopsis	RADIUS server sent the EAP Request packet for the user on specified port.
Action	No action necessary

Message	Bkend state of Port -- - Recd Respose from supplicant
Severity	Info
Description	This message is generated when 8021x Backend Authentication State Machine receives a response from supplicant.
Synopsis	Supplicant sent the EAP Response packet for the user on specified port.
Action	No action necessary

Message	Bkend state of Port -- - Recd accept from server
Severity	Info
Description	This message is generated when 8021x Backend Authentication State Machine receives a Access-Accept message from RADIUS server.
Synopsis	RADIUS server sent Access-Accept message for the user on specified port.
Action	No action necessary.

Message	Bkend state of Port -- - Recd Reject from server
Severity	Info
Description	This message is generated when 8021x Backend Authentication State Machine receives a Access-Reject message from RADIUS server.
Synopsis	RADIUS server sent Access-Reject message for the user on specified port.
Action	No action necessary.

Message	Can not Allocate Memory for SNMP EngineId String
Severity	Error
Description	This message is generated when the system is out of memory while executing the software.
Synopsis	System is out of memory.
Action	Report the problem.

Message	Can not allocate remote mirroring packet list index object
Severity	Fatal
Description	Switch Fails to allocate index list for storing remote mirroring packet list.
Synopsis	Cannot allocate index list.
Action	This will re-boot the switch.

Message	Can not allocate remote mirroring port list index object
Severity	Fatal
Description	Switch Fails to allocate index list for storing remote mirroring Port list.
Synopsis	Cannot allocate index list
Action	This will re-boot the switch.

Message	Can not add an arp entry to a non-existing port
Severity	Info
Description	This message is generated when a port is not found to add entry into ARP table.
Synopsis	Cannot add new entry in ARP table.
Action	Check the configuration for the port.

Message	Can not config card due to condition specified
Severity	Info
Description	This message is generated when a card can not be configured because of specified conditions.
Synopsis	Card is not configured.
Action	N/A

Message	Can not config WSM blade due to condition specified
Severity	Info
Description	This message is generated when it is not possible to configure a Web Switching Module because of specifications.
Synopsis	N/A
Action	N/A

Message	Can not configure card. Please remove and insert again.
Severity	Error
Description	This message is generated to specify that card should be removed and then again inserted.
Synopsis	Can not configure card.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Can not add any more entries in the table max reached
Severity	Error
Description	This message is generated when given entry index on which entry has to be added is greater than the maximum possible size of the UdpProtocolTbl table.
Synopsis	Index out of range for UdpProtocolTbl table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Can not delete ARP entry __ of IP RSMLT Peer when forwarding for peer stop
Severity	Warning
Description	This message is generated when we stop forwarding to peer and it is unable to delete the ARP entry of the IP RSMLT Peer.
Synopsis	N/A
Action	If problem persists contact customer service.

Message	Can not delete ARP entry __ of IP RSMLT Peer when holdup forward to forward
Severity	Warning
Description	This message is generated when the RSMLT state changes from Holdup Forward to Forward and it is unable to delete the ARP entry added for the IP RSMLT Peer.
Synopsis	N/A
Action	Contact customer service.

Message	Can not turn on IP routing on MAC Addr = __ of IP RSMLT Peer when forwarding for peer
Severity	Warning
Description	This message is generated when we stop forwarding to peer and it is unable to turn on IP routing on the MAC address record of the IP RSMLT Peer.
Synopsis	N/A
Action	Contact customer service.

Message	Can not turn off IP Routing on MAC Addr = __ of IP RSMLT Peer When Stop Forwarding For Peer
Severity	Warning
Description	This message is generated when we stop forwarding to peer and it is unable to turn off IP routing on the Mac address record of the IP RSMLT Peer.
Synopsis	N/A
Action	Contact customer service.

Message	Can not Set IPX routing on MAC addr = __ of IP RSMLT Peer when forwarding for peer
Severity	Warning
Description	This message is generated when it is unable to set the Ipx routing bit for the MAC address.
Synopsis	Failed to set Ipx routing.
Action	If problem persists contact customer service.

Message	Can not add an Arp entry to a non-existing port
Severity	Info
Description	This message is generated when a port is not found to add entry into ARP table.
Synopsis	Can not add new entry in ARP table.
Action	Check the configuration for the port.

Message	Can not config card due to condition specified
Severity	Info
Description	This message is generated when a card can not be configured because of specified conditions.
Synopsis	Card is not configured.
Action	N/A

Message	Can not config WSM blade due to condition specified
Severity	Info
Description	This message is generated when it is not possible to configure a Web Switching Module because of specifications.
Synopsis	N/A
Action	N/A

Message	Can not configure card. Please remove and insert again
Severity	Error
Description	This message is generated to specify that card should be removed and then again inserted.
Synopsis	Card not configure card.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not add any more entries in the table max reached
Severity	Error
Description	This message is generated when given entry index on which entry has to be added is greater than the maximum possible size of the UdpProtocolTbl table.
Synopsis	Index out of range for UdpProtocolTbl table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not add any more entries in the table max reached
Severity	Error
Description	This message is generated when given entry index on which entry has to be added is greater than the maximum possible size of the UdpPortFwdTbl table.
Synopsis	Index out of range for UdpPortFwdTbl table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not add any more entries in the UdpConfBcastIntfTbltable max
Severity	Error
Description	This message is generated when given entry index on which entry has to be added is greater than the maximum possible size of the UdpConfBcastIntfTbltable table.
Synopsis	Index out of range for UdpConfBcastIntfTbltable table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not add entry as the table is in use
Severity	Error
Description	This message is generated when UdpProtocolTbl is in use by some other process and any new entry cannot be added in it.
Synopsis	Cannot update the table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not add entry to UdpConfBcastIntfTbl as it is in use
Severity	Error
Description	This message is generated when table UdpConfBcastIntfTbl is in use by another process and any new entry cannot be added in it.
Synopsis	Cannot update the table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not allocate filter index object
Severity	Fatal
Description	This message is generated when memory allocation for the filter index link list fails due to low memory.
Synopsis	Unable to allocate memory for index linked list.
Action	Increase DRAM size. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not allocate filter index object
Severity	Error
Description	This message is generated when creation of an index object returns NULL.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory.

Message	can not allocate filter link list object
Severity	Fatal
Description	This message is generated if the memory allocation for the filter link list database failed.
Synopsis	Unable to allocate memory for filter link list.
Action	Increase DRAM size. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not allocate filter link list object
Severity	Error
Description	This message is generated when request to allocate a doubly linked list management structure returns NULL.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory.

Message	can not allocate group index object
Severity	Fatal
Description	This message is generated when initializing the IGMP group list and the DRAM memory is exhausted.
Synopsis	DRAM memory unavailable for group link list.
Action	Increase DRAM memory size.

Message	can not allocate group link list object
Severity	Fatal
Description	This message is generated when initializing the IGMP group list and the DRAM memory is exhausted.
Synopsis	DRAM memory unavailable for group link list.
Action	Increase DRAM memory size.

Message	can not allocate id stack object for Udp PortFwd tbl
Severity	Fatal
Description	This message is generated when allocation and initialization the stack with a given stack size fails.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory.

Message	can not allocate OSPF access head
Severity	Fatal
Description	This message is generated if the system runs out of DRAM memory.
Synopsis	Insufficient DRAM memory
Action	Close all CLI sessions to free the memory.

Message	can not allocate OSPF access head avl head object
Severity	Fatal
Description	This message is generated if the system runs out of DRAM memory.
Synopsis	Insufficient DRAM memory.
Action	Close all CLI sessions to free the memory.

Message	can not allocate rcip_route_index object
Severity	Fatal
Description	The system is unable to allocate memory for the RCIP object.
Synopsis	Unable to allocate memory for RCIP route object.
Action	Increase DRAM size. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not allocate RIP access head
Severity	Fatal
Description	This message is generated whenever initial memory allocation for RIP entries is not successful.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not allocate RIP access head avl head object
Severity	Fatal
Description	This message is generated whenever initial memory allocation for RIP entries is not successful.
Synopsis	Dynamic memory allocation failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not delete entry - UdpPortFwdListTable is already in use
Severity	Error
Description	This message is generated when deletion of an entry from the table UdpPortFwdListTable fails.
Synopsis	Deletion failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not remove entry UdpConfBcastIntfTbl is in use
Severity	Error
Message	This message is generated when the table UdpConfBcastIntfTbl is in use by other process and hence we cannot update/delete the table.
Synopsis	Can not update the table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	can not search for entry in UdpConfBcastIntfTbl is in use
Severity	Error
Description	This message is generated when the table UdpConfBcastIntfTbl is in use by other process and hence we cannot search in the table.
Synopsis	Cannot search the table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Can not set max ecmp paths number without enabling ECMP feature first
Severity	Error
Description	This message is generated when ECMP is not enable.
Synopsis	ECMP is not enabled.
Action	Enable ECMP.

Message	Can not delete IMC STG after all WSM blades removed
Severity	Error
Description	This message is generated when deletion of STG and after removal of all Web Switching Module fails.
Synopsis	Cannot remove STG.
Action	Check power cycle or reset 8600 chassis.

Message	Can not turn off IP Routing on MAC Addr = __ of IP RSMLT Peer When Stop Forwarding For Peer
Severity	Warning
Description	This message is generated when it was unable to turn off the Ipx routing bit for a MAC address.
Synopsis	Failed to turn off IPX routing bit.
Action	If problem persists contact customer service.

Message	circlessIpSyncNotify Failed to notify circuitless IP Entries
Severity	Error
Description	Syncing Circuitless Ip interface info to HA-CPU failed
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	circlessIpSyncNotify: Mismatch between number of circuitless IP entries send= <int> and existing= <int>
Severity	Error
Description	Not all the circuitless ip interfaces are synced to HA-CPU.
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Could not find the Ip Rec for Index
Severity	Error
Description	This message is generated whenever system tries to read the memory location of a exiting IP record.
Synopsis	The IP record for the Interface Index passed is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Could not get the area structure for aId= _._._._
Severity	Warning
Description	This message is generated if an invalid or null area is passed for the decoupling of OSPF.
Synopsis	Invalid OSPF area.
Action	Area not present, no action required.

Message	Could not get the area structure for AreaId
Severity	Warning
Description	This message is generated if pointer to the area structure is coming NULL through its area id.
Synopsis	Area structure is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Could not get the area structure for AreaId=_._._._
Severity	Warning
Description	This message is generated if an invalid OSPF area id is encountered.
Synopsis	Invalid OSPF encountered.
Action	NA

Message	could not add the entry for UDP
Severity	Warning
Description	This message is generated when addition of an entry for UDP port into UDP protocol table fails.
Synopsis	Cannot add entry in UDP port forward table.
Action	Remove unwanted or stale entries. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	creating mb5 key for id <id> failed
Severity	Error
Description	Creation of MD5 key failed on HA-CPU
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration.

Message	Dead interval _ _ is not a multiple of _ _
Severity	Warning
Description	This message is generated when the dead interval entered is not a multiple of the OSPF hello interval.
Synopsis	Improper dead interval entered.
Action	Enter a valid dead interval multiple of the OSPF hello interval.

Message	delete MAC record __ of IP RSMLT Peer Failed When Stop Forwarding For Peer
Severity	Warning
Description	This message is generated when we stop forwarding to peer and it is unable to delete the MAC record of the IP RSMLT Peer.
Synopsis	N/A
Action	Contact customer service.

Message	detected bad timer_cum logic
Severity	Error
Description	There is no OSPF timer to link or a bad timer.
Synopsis	Bad timer and invalid logic
Action	Rerun OSPF, if problem not solved, contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	detected loop - 1: timer __ TRYING TO LINK A TIMER THAT ALREADY EXISTS
Severity	Error
Description	This message is generated when the system tries to link a timer that already exists.
Synopsis	Linking a timer that already exists.
Action	Internal protocol error, upgrade the software.

Message	detected loop - 2: timer 0x%x TRYING TO LINK A TIMER THAT ALREADY EXISTS
Severity	Error
Description	This message is generated when the system tries to link a timer that already exists.
Synopsis	Linking a timer that already exists.
Action	Internal protocol error, upgrade the software.

Message	detected loop in ospfLink
Severity	Error
Description	This message is generated when the OSPF timer link is run more than the existing number of timers.
Synopsis	Loop in the OSPF link.
Action	Rerun OSPF, if problem not solved, contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.due to insufficient MLT's.

Message	dhcpSyncNotify: failed to sync dhcp conf record
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	dhcpSyncNotify: malloc failed!
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby IP data will be out of sync with master CPU
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	EapApplyVlanAndPri: unable to add port -- to vlan --
Severity	Error
Description	This message is generated when the system encounters unexpected error while trying to add the 8021x authorized port to VLAN returned by RADIUS server.
Synopsis	System encountered unexpected error.
Action	Report the problem.

Message	EapApplyVlanAndPri: Unable to set Qos priority -- for port --
Severity	Error
Description	This message is generated when the system encounters an error while it tries to apply the QOS priority returned by RADIUS server to the 8021x authorized port.
Synopsis	System encountered error or invalid QOS priority value is returned by RADIUS server.
Action	Verify that QOS priority configured on RADIUS server is valid.

Message	eapInitTx: malloc failed for buf
Severity	Error
Description	This message is generated when the system is out of memory while executing the software.
Synopsis	System is out of memory.
Action	Report the problem.

Message	EapProcessPktFromSupp: malloc failed!
Severity	Error
Description	This message is generated when the system is out of memory while executing the software.
Synopsis	System is out of memory.
Action	Report the problem.

Message	EapTransmitEapolPkt: Can't send frame!
Severity	Error
Description	This message is generated when system encounters unexpected error while sending out an EAPOL frame out of a port.
Synopsis	System error
Action	Report the problem.

Message	Error - Fail STG consistency check
Severity	Error
Description	This message is generated when STG consistency check fails.
Synopsis	Fields in the STG Table entry might be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Error - Fail to create STG __ for mgmt VLAN
Severity	Error
Description	This message is generated when setting of a row on the STG Table fails.
Synopsis	Fields in the STG Table entry might be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Error - Fail to delete STG
Severity	Error
Description	This message is generated when deletion of a STG fails.
Synopsis	Cannot delete STG.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Error - Fail to delete VLAN
Severity	Error
Description	This message is generated when deletion of a VLAN fails.
Synopsis	Cannot delete VLAN.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Error in initializing FwdListId object
Severity	Error
Description	This message is generated when allocation for the Fwd List Id object to store the Fwd List Ids fails.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory.

Message	Error in vlanRemoteMirroringPacketListEntryAdd
Severity	Error
Description	Error in adding remote mirroring packet to linked list
Synopsis	N/A
Action	Disable and re-enable remote mirroring

Message	fail config STG for mgmt VLAN
Severity	Error
Description	This message is generated when attempt to create a STG for a specified VLAN fails.
Synopsis	Cannot create STG.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	failed deleting a route in rcIpRouteTblSet()
Severity	Error
Description	This message is generated when deletion of a route fails.
Synopsis	Cannot delete the route.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Failed to assign IP address to mgmt VLAN
Severity	Error
Description	This message is generated when creation assigning of IP address to mgmt VLAN fails during the pre-configuration on system initialization.
Synopsis	Cannot assign IP address.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Failed to create IMC VLAN
Severity	Error
Description	This message is generated when creation of IMC VLAN fails during the pre-configuration on system initialization.
Synopsis	Cannot create VLAN.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Failed to create STG for IMC VLAN
Severity	Error
Description	This message is generated when creation of STG for IMC fails during the pre-configuration on system initialization.
Synopsis	Can not create STG.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Failed to find a unused IP address
Severity	Error
Description	This message is generated when attempt of getting an unused ip address fails.
Synopsis	Search failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Failure to do so will cause incorrect behavior
Severity	Info
Description	Can not config a Web Switching Module due to condition specified.
Synopsis	N/A
Action	N/A

Message	FATAL- vlanTblEntrySync: malloc failed!
Severity	Error
Description	This message is generated while table-based synchronization of the IP address assigned to a VLAN is performed. This is due to the unavailability of the memory and so unable to allocate memory for the entry.
Synopsis	Unable to allocate memory for the VLAN entity.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Filter Unknown message type
Severity	Error
Description	This message is generated on the hot-standby when the filter entity receive a unidentified HA framework message during table or event based synchronization.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	FloodLSA: invalid - circuit
Severity	Fatal
Description	This message is generated when the system finds that the interface for flooding the LSA is NULL.
Synopsis	NULL interface encountered when trying to flood LSAs.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration and network topology for further analysis.

Message	framework: emptied the Event Queue...
Severity	info
Description	Postponed events during table sync/HA-CPU fail-over are queued to be processed after table sync/HA-CPU fail-over. When all those events are processed, this message is logged.
Synopsis	N/A
Action	None

Message	Free up MLT and re-insert card
Severity	Info
Description	Possible solution for ìPreConfigTask: Slot __ NO pre-configured.
Synopsis	N/A
Action	N/A

Message	Gratuitous Arp is not sent out for IP RSMLT node for IfIndex __
Severity	Error
Description	This message is generated when the gratuitous ARP is not sent out for IP RSMLT node.
Synopsis	N/A
Action	Contact customer service.

Message	HA-CPU LSDB sanity check: area checksum total mismatch. area id <ipa> master value = <hex> ha-cpu value = <hex>
Severity	Warning
Description	LS checksum total in area is out-of-sync between the CPUs
Synopsis	LSAs in area are out-of-sync between the CPUs.
Action	Compare LSAs in that area between the CPUs. Reboot HA-CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	HA-CPU LSDB sanity check: AS external checksum total mismatch. master value = <hex> ha-cpu value = <hex>
Severity	Warning
Description	OSPF AS external checksum total mismatch between the CPUs.
Synopsis	As externals are out-of-sync between the CPUs.
Action	Compare AS external LSAs. Reboot HA-CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	HA-CPU route table sanity check: route table size (best route count) mismatch. master value = <int> ha-cpu value = <int>
Severity	Warning
Description	Best route count between the CPUs do not match
Synopsis	Routing tables between the CPU are out-of-sync.
Action	Compare routing tables between the CPUs. reboot HA-CPU to Force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	hello pkt received from nbr <ipa> during table sync/HA-CPU fail-over
Severity	Info
Description	Router processed OSPF hello packet during table sync/HA-CPU fail-over
Synopsis	N/A
Action	none

Message	hello_rx_callback RED_OSPF_ESTABLISH_NBR_ bad nb_state
Severity	Error
Description	Neighbor state is invalid on HA-CPU.
Synopsis	Hot-standby OSPF data may get out of sync with master CPU.
Message	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	iDLStart: rcIpGetIf returns NULL
Severity	Error
Description	This message is generated if no IP record exists. The IfIndex may be out of range, or there is no IP record for the IfIndex.
Synopsis	Cannot obtain the IP record for the IfIndex.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	IfRec(ipaddr=_._._._, index=_) - Exceeded NVRAM limit of _
Severity	Warning
Description	This message is generated when the available NVRAM space for storing the records are exhausted.
Synopsis	NVRAM limit exceeded.
Action	No action needs to be taken.

Message	igmpAddARRec: arAddIpmcEntry failed
Severity	Error
Description	This message is generated during the process of adding AR records when the addition of IP multicast entry.
Synopsis	Addition of IPMC entry failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	igmpAddRptRec: unable to allocate IGMP_RPTR
Severity	Error
Description	This message is generated when trying to create a report record, insert it to the report list and in the process, unable to allocate memory for the report record.
Severity	Unable to allocate memory for the report record.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	igmpCacheData: Can't add AR Rec
Severity	Error
Description	This message is generated if addition of AR record failed.
Synopsis	Unable to add AR record.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	igmpCacheUnsolData: unable to allocate IGMP_SRCGRP
Severity	Error
Description	This message is generated if the source group pair allocation is unsuccessful. This is because the memory allocation for the source group pair failed due to low DRAM memory.
Synopsis	Allocation of source group pair failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	igmpCreateSrcRec: unable to allocate IGMP_SRC
Severity	Error
Description	This message is generated when trying to allocate memory for the IGMP source group and the system finds that it is unable to do so due to low memory.
Synopsis	Unable to allocate memory to IGMP source.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	IgmpGrpCreate: Error in igmpAlloc!
Severity	Error
Description	An attempt to create a new igmp group failed. This error could be due to lack of memory.
Synopsis	Cannot allocate memory dynamically.
Action	Close all CLI sessions to free the memory.

Message	igmpGrpCreate: Error in imgpSetUpARRec
Severity	Error
Description	This message is generated when trying to add a port to a MGID entry and add AR record for any src/grp pair. This message results if MGID cannot be created or if you are trying to add an invalid port to a group.
Synopsis	Unable to add port to MGID entry.
Action	Check validity of the port or contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	IgmpInit: unable to allocate tSGBlock
Severity	Error
Description	This message is generated when the system is not able to allocate memory for a tSGBlock.
Synopsis	Cannot allocate memory dynamically.
Action	Close all CLI sessions to free the memory.

Message	igmpProcReport: Can't add AR Rec!
Severity	Fatal
Description	This message is generated when you add an AR Record for a multicast group, with a specified source/group pair and the Multicast Group ID (MGID) operation, failed. The AR table may be corrupted.
Synopsis	Cannot add AR Record for a multicast group.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration and network topology for further analysis.

Message	igmpSetUpARRec: Can't add AR Rec
Severity	Error
Description	This message is generated while creating a new IGMP group, which in turn gets a MGID and adds an AR record for the new source group pair.
Synopsis	Unable to add AR record while creating a new IGMP.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	igmpSetUpARRec: Can't allocate MGID
Severity	Error
Description	This message is generated when trying to add a new multi-cast group due to low memory.
Synopsis	MGID not allocated.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	igmpSetUpARRec: Try to add invalid port to group
Severity	Fatal
Description	This message is generated when an invalid port is added to the group in the IPMC.
Synopsis	Invalid port to add to the multicast group.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	igmpSrcLstDelete: arDeletePortFromGroup failed
Severity	Fatal
Description	This message is generated while trying to delete a port from a source group pair.
Synopsis	Unable to delete port from group.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	igmpUpdUnsolRec: Can't add AR Rec
Severity	Error
Description	This message is generated if addition of AR record failed.
Synopsis	Unable to add AR record.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	igmpUpdUnsolRec: Unsol rec for port _ should have been deleted by now
Severity	Error
Description	This message is generated if an unsolicited record is found.
Synopsis	Unsolicited record found.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Impossible Neighbor State
Severity	Fatal
Description	This message is generated if an invalid neighbor state is encountered.
Synopsis	Invalid neighbor state.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Impossible returncode from ospfProcLsa()
Severity	Fatal
Description	This message is generated when an invalid return code from LSA procedure is encountered.
Synopsis	Invalid return code encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Incoming intf has neither PIM nor DVMRP enabled
Severity	Warning
Description	This message is generated if a multicast packet is received on a interface and on that interface PIM and DVMPRP protocols are not enabled.
Synopsis	PIM and DVMPRP are not enabled on the interface.
Action	Enable PIM/DVMRP on the interface.

Message	Invalid action of changing Vlan in MLT
Severity	Error
Description	This message is generated when an invalid action of changing a VLAN in a MLT is specified.
Synopsis	Software error
Action	Contact customer support.

Message	Invalid - circuit is null
Severity	Fatal
Description	This message is generated when trying to acknowledge LSA and an invalid interface circuit (NULL) is encountered.
Synopsis	Invalid interface, null circuit encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Invalid configuration: abr with no backbone connection
Severity	Info
Description	This message is generated when ABR is not connected to the backbone of the OSPF network.
Synopsis	Invalid OSPF configuration.
Action	Configure OSPF backbone connection to the ABR using physical connectivity or virtual links

Message	Invalid configuration: network appears in two areas
Severity	Info
Description	The same route appears for different areas.
Synopsis	Two areas have the same network.
Action	Configure the network properly so that there are no repetitions.

Message	invalid interface index
Severity	Error
Description	This message is generated if the VLAN ID is out of range
Synopsis	VLAN ID is wrong.
Action	Enter a valid VLAN ID / check instructions in vlan config command.

Message	invalid interface index _
Severity	Error
Description	This message is generated when the user is enabling or disabling the IGMP for the circuit. If the interface for which this is done is not a valid VLAN then this message is generated.
Synopsis	Invalid VLAN interface.
Action	Provide a VLAN interface which is valid.

Message	invalid interface index __
Severity	Error
Description	This message is generated if the VLAN interface is not valid and thus the fetch operation failed.
Synopsis	VLAN interface fetching failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	invalid lsai ptr
Severity	Fatal
Description	This message is generated when the system encountered an invalid pointer to the LSA identifier.
Synopsis	Invalid LSA ID encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	invalid page choice
Severity	Error
Description	This message is generated when an invalid choice is made
Synopsis	Invalid choice entered.
Action	Enter correct choice as stated in the CLI help.

Message	Invalid VLAN ID
Severity	ERROR
Description	Invalid VLAN ID specified when enabling remote mirroring.
Synopsis	N/A
Action	Disable and re-enable remote mirroring

Message	Invalid VR IP addresses __ received for Vrid __ on IfIndex __
Severity	Warning
Description	This message is generated if the router receives an VRRP advertisement having an incorrect VRRP IP address for a VRID.
Synopsis	Invalid VR IP address
Action	Check and ensure that all the routers with the same VRID have the same VR IP address.

Message	IP circuit%d doesn't have an RIP circuit
Severity	Warning
Description	This message is generated whenever attempt to get the RIP circuit pointer of a specified circuit ID fails.
Synopsis	Memory is corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ip2GarbageList: Could not allocate mem for garbage!!!
Severity	Error
Message	This message is generated whenever memory allocation failed for garbage collection list.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	IpCircEvent: Unable to find IpRec for IfIndex
Severity	Fatal
Description	This message is generated whenever circuit I/O channel is in alive state and system tries to read the memory location to an exiting IP record.
Synopsis	Cannot read the memory location.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	IpDecrMaskCntr: negative # of intf with mask
Severity	Error
Description	This message is generated whenever the route mask counter is less than zero for an IP circuit that has to be deleted.
Synopsis	Internal error
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	IpDoSpecial: ipNetToMediaPhysAddress_index arpadd failed!
Severity	Error
Description	This message is generated when we are trying to add a static ARP entry from JDM and due to some reason the action failed.
Synopsis	N/A
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	IpDoSpecial: ipNetToMediaPhysAddress_index Port%d not a member of vlan
Severity	Error
Description	This message is generated when the ifindex (Interface index which is unique for each port or VLAN) supplied is not associated with any VLAN or brouter port.
Synopsis	Wrong interface index
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	IpDoSpecial: ipNetToMediaPhysAddress_index rcIpLoadArpRecfailed!
Severity	Error
Description	This message is generated if failure to load the ARP entry into the static ARP table occurred.
Synopsis	Cannot load a static ARP record
Action	ARP table might be corrupted / system is unable to allocate memory.

Message	ipFilGlobalVarTblSync: malloc failed
Severity	Error
Description	This message is generated on the master CPU during the notification of Filter global parameters to the hot-standby due to unavailability of memory in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipFilListTblSync: malloc failed
Severity	Error
Description	This message is generated on the master CPU during the notification of IP Filter list to the hot-standby due to unavailability of memory in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipFilMedDeviceTblSync: malloc failed
Severity	Error
Description	This message is generated on the master CPU during the table based synchronization of filter media device parameters to the hot-standby due to unavailability of memory in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipFilMedStreamTblSync: malloc failed
Severity	Error
Description	This message is generated on the master CPU during the table based synchronization of filter media stream parameters to the hot-standby due to unavailability of memory in a HA enabled chassis
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipFilPortTblSync: malloc failed
Severity	Error
Description	This message is generated on the master CPU during the table based synchronization of filter port parameters to the hot-standby due to unavailability of memory in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipfTblSyncCallBack: BAL_TengipfFilterSetProfile failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity is unable to set the profile for ten gig port during table based synchronization.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipfTblSyncCallBack: corrupt msg
Severity	Error
Description	This message is generated on the hot-standby when the filter entity recieve a corrupt HA framework message during table or event based synchronization of filter parameters.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ipFilterTblSync: malloc failed
Severity	Error
Description	This message is generated on the master CPU during the table based synchronization of filter parameters to the hot-standby due to unavailability of memory in a HA enabled chassis
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ipFilTrafficProfTblSync: malloc failed
Severity	Error
Description	This message is generated on the master CPU during the notification of IP Filter Traffic Profile parameters to the hot-standby due to unavailability of memory in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ipfTblSyncCallBack: ipfAllocPId failed
Severity	Error
Description	This message is generated on the hot-standby when the filter entity could not allocate filter ID during the table based synchronization.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipForward: pP2IpBd == NULL
Severity	Error
Description	This message is generated when the frame desc buffer passed is NULL.
Synopsis	System Error.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipfTblSyncCallBack: BAL_TengipfFilterCreate failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity is unable to create filter for 10gig port during table based synchronization.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipfTblSyncCallBack: malloc failed
Severity	Error
Description	This message is generated on the hot-standby due to the unavailability of memory during table or event based synchronization.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipfTblSyncCallBack: ipfIdSetProfile failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity is unable to set the profile id during table based synchronization.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipfTblSyncCallBack: ipfListAddIpfId failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity is unable to add filter id to the filter list during table based synchronization.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipfTblSyncCallBack: ipfListNew failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity is unable to create a new filter list during table based synchronization.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipfTblSyncCallBack: ipfPortGetTblIdx failed.
Severity	Error
Description	This message is generated in the hot-standby when the filter entity could not get the filter table index for a port during table based synchronization.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipfTblSyncCallBack: ipfPortIndexEntryInit failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity could not initialize filter port parameters during table based synchronization.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipfTblSyncCallBack: ipfPortAddListId failed
Severity	Error
Description	This message is generated in the hot-standby when the filter entity is unable to add the filter list to a filter port during table based synchronization.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipGlobalSyncHandler: corrupt message.
Severity	Error
Description	HA-CPU does not recognize the IP sync message received from master CPU.
Synopsis	Hot-standby IP data will be out of sync with master CPU
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ipGlobalSyncHandler: DHCP Config table sync failed
Severity	Error
Description	processing of DHCP Relay config info on HA-CPU failed
Synopsis	Hot-standby DHCP Relay data will be out of sync with master CPU
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipGlobalSyncHandler: IP Globals table sync failed
Severity	Error
Description	MIB table set for IP global data failed
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipGlobalSyncHandler: mismatching length
Severity	Error
Description	data structure size mismatch between the master and secondary CPUs
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ipGlobalSyncHandler: Route Preference table sync failed.
Severity	Error
Description	Processing of route preference config info failed on HA-CPU
Synopsis	Hot-standby route preference data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipGlobalSyncNotify: failed to get IP Globals
Severity	Error
Description	MIB table get for IP global group table failed
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipGlobalSyncNotify: failed to sync dhcp relay
Severity	Error
Description	syncing DHCP Relay config info to HA-CPU failed
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipGlobalSyncNotify: failed to sync IP Globals
Severity	Error
Description	framework sync message sent to HA-CPU failed
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipGlobalSyncNotify: failed to sync Route Preference
Severity	Error
Description	route preference config sync to HA-CPU failed
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipGlobalSyncNotify: incompatible size of tRC_IP_CONF_GLOBAL_GRP <int> <int>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ipGlobalSyncNotify: malloc failed!
Severity	Error
Description	Framework message memory allocation failed
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipLocAddrFind: Can't find IfIndex for cid
Severity	Fatal
Description	This message is generated when the system tries to find the local IP address and no IP record exists for the given interface index. The system software IP table could be corrupted.
Synopsis	Cannot find an IP record for a specific interface index.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipmcRx: Can't find circuit for cid
Severity	Fatal
Description	This message is generated if the system finds a NULL circuit pointer for a specific ID.
Synopsis	Cannot read the memory location.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipNetToMediaPhysAddress_index NULL snmp_arp_circ
Severity	Error
Description	This message is generated when the physical address you have supplied is not associated with any circuit.
Synopsis	Wrong physical address
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipNetToMediaPhysAddress_index vlanGetVlanIdFromIfIndex failed for IfIndex
Severity	Error
Description	This message is generated if there is no VLAN associated with the interface index.
Synopsis	Wrong interface index
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipPktOut: ipCircFromId failed for cid
Severity	Error
Description	This message is generated when circuit pointer for specific circuit id is NULL.
Synopsis	Memory might be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipPktOut: Unable to find IpRec for IfIndex
Severity	Error
Description	This message is generated when the pointer to the frame buffer descriptor of the last ip packet received from the CPP module is null.
Synopsis	Synopsis: memory location is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipPktOutVrrp: Can't copy frame buffer
Severity	Error
Description	This message is generated when copying of frame buffer fails.
Synopsis	Copy is failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipPktOutVrrp: Can't send frame
Severity	Error
Description	This message is generated when transmission of an Ethernet frame through the specified port fails.
Synopsis	transmission is not done.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipPktOutVrrp: ipCircFromId failed for cid
Severity	Error
Description	This message is generated when circuit pointer for specific circuit id is NULL.
Synopsis	Memory might be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipPktOutVrrp: pBd->bdOff < size of MAC header
Severity	Fatal
Description	This message is generated when there is not enough space available to insert the Ethernet header.
Synopsis	Not enough memory available.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipPktOutVrrp: Unable to find IpRec for IfIndex
Severity	Error
Description	The pointer to an IP record does not exist.
Synopsis	Memory location is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipProcIpa: owner is not RIP
Severity	Error
Description	This message is generated whenever system finds that RIP timers are holding non-RIP routes.
Synopsis	RIP timer is holding timers for non RIP routes.
Action	Check configuration for RIP timers. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipReasmInit: Can't allocate bondable!
Severity	Error
Description	This message is generated when system is not able to allocated memory for Net data block table.
Synopsis	Cannot allocate memory dynamically.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	ipReasmInit: Can't allocate presentable!
Severity	Error
Description	This message is generated when system is not able to allocated memory for IP reassembly table.
Synopsis	Cannot allocate memory dynamically.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	IpRec does not exists for IfIndex
Severity	Error
Description	This message is generated if IP record does not exist for the corresponding IP address when trying to update the OSPF up to date.
Synopsis	N/A
Action	Check the interface configuration and state. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ipRoutePrefSyncCallback: mismatching number of Route Preference.
Severity	Warning
Description	Number of route sources are not the same between master and HA-CPU
Synopsis	HA-CPU will use it's number of route sources instead of what master synced.
Action	Compare software versions between the CPUs. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ipRoutePrefSyncCallback: mismatching size of Route Preference structure.
Severity	Warning
Description	Data structure size mismatch between the master and secondary CPUs
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ipRoutePrefSyncNotify: failed to sync Route Preference
Severity	Error
Description	Framework sync message sent to HA-CPU failed
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ipRoutePrefSyncNotify: incompatible size of Route Preference Entry <int> <int>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby IP data will be out of sync with master CPU
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ipRoutePrefSyncNotify: malloc failed!
Severity	Error
Description	Framework message memory allocation failed
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ipRsmltSyncCallback: unsupported version __
Severity	Error
Description	This message is generated when an unsupported module version is encountered during a sync callback.
Synopsis	Unsupported version.
Action	Contact customer support.

Message	ipRsmltSyncCallback: unknown msg type __
Severity	Error
Description	This message is generated when an unknown messages type is encountered during a sync callback.
Synopsis	Unknown message type.
Action	Contact customer support.

Message	ipRsmltEventSyncHandler: rcv framework msg failed for holddown-timer expire event
Severity	Error
Description	This message is generated when it is unable to sync RSMLT holddown timer expire event to the secondary in HA mode.
Synopsis	Software error.
Action	Contact customer support.

Message	ipRsmltEventSyncHandler: rcv framework msg for unknown IfIndex __ on Vlan __
Severity	Error
Description	This message is generated when it is unable to sync RSMLT configurations to the secondary in HA mode.
Synopsis	Software error.
Action	Contact customer support.

Message	ipRsmltEventSyncHandler: rcv holddown-timer event for empty RSMLT Circuit, IfIndex __ on Vlan __
Severity	Error
Description	This message is generated when it is unable to sync RSMLT configurations to the secondary in HA mode.
Synopsis	Software error.
Action	Contact customer support.

Message	ipRsmltEventSyncHandler: rcv holdup-timer event for empty Rsmlt Circuit, IfIndex __ on Vlan __
Severity	Error
Description	This message is generated when it is unable to sync RSMLT configurations to the secondary in HA mode.
Synopsis	Software error.
Action	Contact customer support.

Message	IPX Interface removed, Delete RSMLT Node Failed on Vlan __, potential memory Leak
Severity	Error
Description	This message is generated when the deletion of RSMLT node fails after the IPX interface is removed.
Synopsis	Failed to delete RSMLT node.
Action	Contact customer service.

Message	lsack sync malloc failed
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU
Action	check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	LSDB has changed. Please try the command again later
Severity	Info
Description	This message is generated if the command for displaying OSPF LSDB is executed from CLI and there is a change in the LSDB.
Synopsis	Change in LSDB.
Action	Try the command again after sometime once the LSDB is updated by the system dynamically.

Message	malloc failed in ospfLinkToBERefreshed
Severity	Error
Description	This message is generated after completion of SPF and system tries to refresh the ospf link abd fails due to inability of memory allocation.
Synopsis	Unable to allocate memory.
Action	No action required.

Message	mlt%d - inBytes0_2%d inBytes0_1%d
Severity	Info
Description	This message is generated when number of bytes sent to chassis from a Web Switching Module over MLT 0 at a certain time and 2 seconds before is printed.
Synopsis	N/A
Action	N/A

Message	mlt%d - inBytes1_2%d inBytes1_1%d
Severity	Info
Description	This message is generated when number of bytes sent to chassis from a Web Switching Module over MLT 2 at a certain time and 2 seconds before is printed.
Synopsis	N/A
Action	N/A

Message	mlt%d - outBytes0_2%d outBytes0_1
Severity	Info
Description	This message is generated when number of bytes sent to a Web Switching Module from chassis over MLT 0 at a certain time and 2 seconds before is printed.
Synopsis	N/A
Action	N/A

Message	mlt%d - outBytes1_2%d outBytes1_1%d
Severity	Info
Description	This message is generated when number of bytes sent to a Web Switching Module from chassis over MLT 1 at a certain time and 2 seconds before is printed.
Synopsis	N/A
Action	N/A

Message	MLT allocated are: __ and __
Severity	Info
Description	This message is generated when two MLTs are allocated in non-hidden mode.
Synopsis	MLTs are allocated.
Action	N/A

Message	New Mac -- Old Mac -- - Port -- being shut down
Severity	Warning
Description	This message is generated when a new MAC Address is seen on an 8021x authorized port.
Synopsis	Possible security threat.
Action	The port is shut down. Initialize the port again.

Message	no nbr. drop hello pkt rxed from rtid <ipa> during table sync/ HA-CPU fail-over
Severity	Info
Description	Router received OSPF hellos from a new neighbors during table sync/ HA-CPU fail-over. To keep the OSPF database constant during this time period, it will drop such hello packets to avoid creating new neighbors.
Synopsis	N/A
Action	none

Message	No rarMacAddress record of VR with BackupMasterState up
Severity	Error
Description	This message is generated when there is a memory problem.
Synopsis	Memory might be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	No VLAN for specified IfIndex __
Severity	Error
Description	This message is generated when it is unable to find the VLAN for which RSMLT has to be enabled.
Synopsis	Software error.
Action	Contact customer service.

Message	Not able to add entry to remote mirroring packet list, vlan ID = <vlan-id>
Severity	ERROR
Description	Not able to add the broadcast packet for remote mirroring
Synopsis	N/A
Action	Disable and re-enable remote mirroring. If the issue persists, re-boot the switch.

Message	Not able to remove entry from remote mirroring packet list, vlan ID = <vlan-id>
Severity	ERROR
Description	Not able to remove the broadcast packet for remote mirroring from packet linked list
Synopsis	N/A
Action	Disable remote mirroring. If the issue persists, re-boot the switch

Message	oframe_alloc: buffer length too long
Severity	Error
Description	This message is generated when the length of the IP frame is more than the maximum allowed length of the frame buffer size.
Synopsis	Length of IP frame is too long.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospf_config_grp_table_sync_callback: msgLen <int> expected msg length <int > mismatch!!
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	opsfLeak - invalid path type __

Message	Fatal
Description	This message is generated if an invalid path type is encountered when trying to leak into OSPF intra area.
Synopsis	Invalid path type encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	os_init: failed init_avl
Severity	Fatal
Description	This message is generated if the system runs out of DRAM memory.
Synopsis	Insufficient DRAM memory
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospf_lsdb_table_send_lsa: lsa does not fit in sync msg. lsid <ip address> msg size <size> required size <size>
Severity	Error
Description	LSA on master CPU does not fit in the framework msg. This LSA exceeds the supported maximum size of the LSA.
Synopsis	Hot-standby's LSDB will be out of sync with master CPU.
Action	Look for large LSAs on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospf_lsdb_table_sync: size mismatch. size of lsa_tbl_sync_entry = <size> SIZE_RC_OSPF_LSA_ENTRY = <size>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospf_lsdb_table_sync_callback: area is NULL. area id <area id>
Severity	Error
Description	Area id specified by the master CPU is not found on HA-CPU
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospf_lsdb_table_sync_callback: LSA add failed.
Severity	Error
Description	Adding an LSA on secondary CPU failed. This could be caused by low memory on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospf_receive: dropping pkt type: <packet type> from ipa <ipa> during table sync/HA-CPU fail-over
Severity	Info
Description	Router drops all OSPF packets other than Hellos to keep the OSPF database constant during table sync or HA-CPU fail-over.
Synopsis	N/A
Action	none

Message	ospfCopyMsg2OsCirc: next hop circuit for virtual interface does not exist. abr id <ipa>
Severity	Error
Description	OSFP next hop circuit for virtual circuit does not exist on HA-CPU
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Force a SPF run and reboot secondary CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfCopyOsCircData2Msg: bad transit area for virtual link to ABR rtid <ipa>
Severity	Error
Description	Transit area for OSPF virtual circuit is not set.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfDistinTemplNotify: Could not allocate memory for distribute template
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ospfDistinTemplSync: msgLen <len> expected msg length <len> mismatch!!
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfNodeTblSync: size mismatch. size of ospfNodeTblSync = <size> SIZE_RC_OSPF_NODE_TBL_ENTRY = <size>
Severity	Error
Description	dynamic size of tOspfNodeSyncEntry structure and static size SIZE_RC_OSPF_NODE_TBL_ENTRY are not the same.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check image versions on both CPUs. Contact customer service and have the following information available: software versions on both CPUs.

Message	ospfNodeTblSyncCallback: msgLen <length> expected msg length <len> mismatch!!
Severity	Error
Description	Expected size and received sizes do not match for OSPF Node table sync msg.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check software versions on both CPUs. Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfOsCircuitTblEntrySync: size mismatch. size of tOsCircTblSync = <size> SIZE_OSPF_CIRCUIT_TABLE_ENTRY = <size>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfOsCircuitTblEntrySyncCallback: msg length mismatch: expected size <size> rxed size <size>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfRedistinTemplNotify: Could not allocate memory for redistribute template
Severity	Error
Description	framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfRedistinTemplSync: msgLen <len> expected msg length <len> mismatch
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_add_ase_notify_list: ase sync malloc failed. size = <int>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_add_route_notify_list: lsai is NULL. route dst <ipa> nhop <int>
Severity	Error
Description	LSA pointer for the OSPF route's next hop is not valid.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Force an SPF run and reboot HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_add_route_notify_list: memory allocation FAILED
Severity	Error
Description	Framework message memory allocation failed
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_add_t7ase_notify_list: ase sync malloc failed. size <int>
Severity	Error
Description	Framework message memory allocation failed
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_adj_change_event_callback: msg length mismatch. master msglen = <len> expected msglen = <len>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_adj_change_event_callback: NULL nbr <ipa>
Severity	Error
Description	OSPF neighbor specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_adj_change_event_callback:OSPF_ESTABLISH_NBR bad nbr state: nbr <ipa>
Severity	Error
Description	Neighbor state on HA-CPU is invalid when adjacency change event is received from master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_area_aggregate_tbl_set_event: event sync FAILED
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_area_config_address_range_sync: invalid range type <type>
Severity	Error
Description	ospf area range type is invalid
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_area_config_address_range_sync: size mismatch. size of cfg_range_sync_entry = <size> SIZE_OSPF_CFG_RANGE_SYNC_ENTRY = <size>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_area_config_address_range_sync_callback: area id <area id> does NOT exist
Severity	Error
Description	Area id specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_area_config_address_range_sync_callback: cfg range memory allocation FAILD. area_id. = <area id> cfg range ipa <ipa>
Severity	Error
Description	Memory allocation failed on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_area_entry_sync: FAILED area id = <area id>
Severity	Error
Description	Framework message to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Try rebooting secondary CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ospfsync_area_entry_sync: size mismatch. size of area_sync_entry = <size> SIZE_RC_OSPF_AREA_SYNC_ENTRY = <size>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_area_entry_sync_callback: area <area id> exists.
Severity	Error
Description	HA-CPU already has the area that is being synced by Master CPU
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_area_entry_sync_callback: backbone area not created.
Severity	Error
Description	Hot-standby OSPF data will be out of sync with master CPU.
Synopsis	Backbone area is not created on HA-CPU during system initialization.
Action	Check memory stats on HA-CPU. Try rebooting the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_area_entry_sync_callback: memory allocation failed. area id <area ipa>
Severity	Error
Description	Memory allocation failed on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_area_entry_sync_callback: msgLen <len> expected msg length <len> mismatch!!
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_ase_header_callback: invalid list type <type>
Severity	Error
Description	AS External Header type received by HA-CPU is invalid.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_ase_header_callback: out of memory.
Severity	Error
Description	Memory allocation failed on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_ase_header_cb: ase header empty
Severity	Fatal
Description	Initialization of AS External Header list has failed on HA-CPU.
Synopsis	N/A
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_ase_header_cb: ase summ header empty
Severity	Fatal
Description	Initialization of AS External Summary Header list has failed on HA-CPU.
Synopsis	N/A
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_ase_header_cb: ase_sync_entry size mismatch. size = <len> rxed = <len>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_ase_header_notify: invalid list type <type>
Severity	Error
Description	As external list type is invalid.
Synopsis	N/A
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_ase_header_notify: malloc failed. msg length <length>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_ase_header_notify: size mismatch. size of ase_sync_entry = <size> SIZE_OSPF_ASE_SYNC_ENTRY = <size>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_bad_ls_request_event: sync failed!
Severity	Error
Description	Sending sync message to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on Master CPU.Contact customer service and have the following information available: system logs including any memory dumps, switch configuration.

Message	ospfsync_bad_ls_request_event_callback: msg length mismatch. master msglen = <int> expected msglen = <int>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_bad_ls_request_event_callback: nbr <ipa> NOT found.
Severity	Error
Description	OSPF neighbor specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_build_my_lsa_callback: invalid area_pt for area_id <ipa>
Severity	Error
Description	OSPF area specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_build_my_lsa_callback: lsa is NOT in lsdb. lsid: <ipa> adv_rtr <ipa> ls type <int> master's seq <int> area <ipa>
Severity	Error
Description	LSA is not in HA-CPU's LSDB.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_build_my_lsa_callback: lsa LSA_REBUILD already set. lsid: \<ipa\> adv_rtr \<ipa\> ls type \<int\> master's seq \<int\> area id \<ipa\>
Severity	warning
Description	Rebuilding of the LSA on HA-CPU has not happened in a timely fashion.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_build_my_lsa_callback: msg length mismatch. master msglen = \<int\> expected msglen \<int\>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, configuration, and network topology for further analysis.

Message	ospfsync_lsa_timer_event: ha_lsa_pt is NULL.
Severity	Error
Description	LSA pointer passed on to above function is NULL.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_build_my_lsa_event: malloc failed lsid <ipa> adv_rtr <ipa> type <int>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_build_my_lsa_event: size mismatch. size of lsa_sync_entry = <int> lsa_sync_entry = <int>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_check_dr_event_cb: need DR flag already set: circ <ipa>
Severity	Error
Description	DR election flag is still set on ospf circuit on HA-CPU.
Synopsis	Hot-standby OSPF data may be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_check_dr_event_cb: need_dr already false.
Severity	Warning
Description	DR election needed flag is not set on HA-CPU.
Synopsis	Hot-standby OSPF data may be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_circuit_table_entry_callback: area <ipa> is NULL.
Severity	Error
Description	Area id specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_circuit_table_entry_callback: circ <ipa> consistency Check FAILED.
Severity	Error
Description	Creation of OSPF circuit on HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_circuit_table_entry_callback: circ <ipa> already exists.
Severity	Error
Description	OSPF circuit already exists on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_circuit_table_entry_callback: circ <ipa> creation FAILED.
Severity	Error
Description	Creation of OSPF circuit on HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_circuit_table_entry_callback: circ <ipa> IpRec is NOT found.
Severity	Error
Description	IP record associated with OSPF circuit not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_conf_area_table_set_event: event sync failed.
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_conf_grp_set_event: event sync failed.
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_conf_metric_grp_set_event: event sync failed
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_copy_lsai_info: invalid pointer
Severity	Error
Description	Pointer to the real LSA in LSAI structure is invalid.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Force a SPF run on master CPU and reboot the HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_copy_nbr_info: NULL circ_pt for nbr <ipa>
Severity	Error
Description	Circuit info in neighbor data structure is not valid.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_copy_nhop_info: invalid area_pt for area_id <ipa>
Severity	Error
Description	Area id specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_copy_nhop_info: lsa is NOT in lsdb. lsid: \<ipa\> adv_rtr \<ipa\> ls type \<int\>
Severity	Error
Description	LSA specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_create_sanity_check_timer: creation failed.
Severity	Error
Description	OSPF sanity check timer creation failed on master CPU.
Synopsis	Periodic sanity checking between the CPUs will fail.
Action	Check memory stats on failed CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_create_tic_sync_timer: creation failed.
Severity	Error
Description	Sync timer creation on master CPU failed.
Synopsis	OSPF tic synchronization between the CPUs will fail.
Action	Check memory stats on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_ddp_rx_event_callback: nbr <ipa> NOT found.
Severity	Error
Description	OSPF neighbor specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data may be out of sync with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_ddp_rx_event_callback: length mismatch. master msglen <len> expected msglen = <len>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_electdr_event_callback invalid area <ipa>
Severity	Error
Description	Area id specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_electdr_event_callback: invalid circuit <ipa>
Severity	Error
Description	OSPF circuit specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files

Message	ospfsync_electdr_event_callback: msg length mismatch. master msglen = <len> expected msglen = <len>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_event_handler: unknown msg type <msg type>
Severity	Warning
Description	Secondary CPU does not recognize the received OSPF msg type.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Load compatible L3 redundancy software versions on master and secondary. Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_event_handler: unsupported version <id>
Severity	Error
Description	Secondary CPU does not support the OSPF framework version that is loaded on master CPU. OSPF framework versions between the CPU do not match.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Load compatible L3 redundancy software versions on master and secondary. Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_find_neighbor: area <ipa> is NULL.
Severity	Error
Description	Area id specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_find_neighbor: ospf circuit NOT found! circuit ipa<ipa> circuit type <type> nbr ipa <ipa>
Severity	Error
Description	Circuit id specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_free_ase_notify_list: possible memory leak
Severity	Error
Description	Possible framework buffer leak as allocated and freed buffer counters do not match.
Synopsis	May cause framework memory leak.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_free_proc_redis_notify_list: possible memory leak.
Severity	Error
Description	Not all framework buffers are freed.
Synopsis	May cause framework memory leak.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_free_summ_notify_list: possible memory leak.
Severity	Error
Description	Sent and freed element count for ospf summary headers do not match.
Synopsis	Possible framework buffer leak
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_hello_rx_event_callback invalid NBMA event for nbr <ipa>
Severity	
Description	NBMA circuit state is incorrect.
Synopsis	Hot-standby OSPF data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_hello_rx_event_callback: area does not exist. area id <ipa>
Severity	Error
Description	Area id specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_hello_rx_event_callback: circuit does not exist. nbr ipa <ipa>
Severity	Error
Description	OSPF circuit specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_hello_rx_event_callback: create nbr <ipa> failed.
Severity	Error
Description	Neighbor creation failed on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_electdr_event_callback: msg length mismatch. master msglen = <len> expected msglen = <len>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_hello_rx_event_callback: nbma priority did not change for nbr <ipa>
Severity	Warning
Description	Priority change of NBMA nbr did not happen on HA-CPU.
Synopsis	Hot-standby OSPF data may get out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_hello_rx_event_callback: nbr <ipa> does not exist. mask <val>
Severity	Error
Description	OSPF neighbor does not exist on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the followinginformation available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_hello_rx_event_callback: nbr <ipa> exists.
Severity	Error
Description	Cannot create new neighbor as it already exists on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following informationavailable: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_hello_rx_event_callback: virtual interface " is not ready for nbr <ipa>
Severity	Error
Description	Virtual interface state is incorrect.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_host_route_sync: size mismatch. size of host_rt_sync_entry <size> SIZE_OSPF_HOST_RT_SYNC_ENTRY = <size>
Severity	Error
Description	Real size and static sizes of host_rt_sync_entry do not match.
Synopsis	Hot-standby OSPF data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on the master CPU.

Message	ospfsync_host_route_sync_callback: host_rt_sync_entry size mismatch. expected size <size> rxed size <size>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_host_route_sync_cb: host route add FAILED. host ipa <ip address> area <area id>
Severity	Error
Description	Adding the OSPF host route entry failed (most probably caused by low memory) on secondary CPU.
Synopsis	Hot-standby OSPF data will be out of sync with the master CPU.
Action	Check memory stats. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_init_ase_notify_list: possible memory leak
Severity	Error
Description	Possible framework buffer leak as allocated and freed buffer counters do not match.
Synopsis	May cause framework memory leak.
Action	Contact customer service and have the following informationavailable: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_init_proc_redis_notify_list: possible memory leak
Severity	Error
Description	Possible framework buffer leak as allocated and freed buffer counters do not match.
Synopsis	May cause framework memory leak.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_init_route_notify_list: possible memory leak
Severity	Error
Description	Sent and freed element count for OSPF route notify list do not match.
Synopsis	Possible framework buffer leak.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_init_summ_notify_list: possible memory leak
Severity	Error
Description	Sent and freed element count for OSPF summary headers do not match.
Synopsis	Possible framework buffer leak.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_ip_conf_table_event: send failed: setmask <hex> ifindex <int>
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsa_timer_event: ha_lsa_pt is NULL.
Severity	Error
Description	LSA pointer passed on to above function is NULL.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsa_timer_event: sync msg failed for lsid <ipa> type <int> adv_rtr <ipa>
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsa_timer_event_callback: invalid area_pt for area_id <ipa>
Severity	Error
Description	Area id specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_lsa_timer_event_callback: lsa is NOT in lsdb. lsid: <ipa> adv_rtr <ipa> ls type <int> area id <ipa> master's ls seq <int> ospfsync_init_t7ase_notify_list: possible memory leak
Severity	Error
Description	Possible framework buffer leak as allocated and freed buffer counters do not match.
Synopsis	May cause framework memory leak.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsa_timer_event_callback: msg length mismatch. master msglen = \<int> expected msglen = \<int>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_lsack_event_callback: cannot find retransmit element. nbr \<ipa> lsid \<ipa> advrtr \<ipa> ls_type \<int>
Severity	Error
Description	Retransmission element is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsack_event_callback: data structure size mismatch. size of ha_nbr_info = \<int> received size = \<int> lsa_sync_entry \<int> received size \<int>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_lsack_event_callback: nbr does not exist. nbr ipa <ipa>
Severity	Error
Description	OSPF neighbor specified by the master CPU cannot be found HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsupdate_rx_event: lsa is NULL.
Severity	Error
Description	LSA to be sent to HA-CPU is NULL.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files and system logs.

Message	ospfsync_lsupdate_rx_event: malloc failed for nbr ipa <ipa> lsid <ipa> length <int>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsupdate_rx_event: send failed for nbr ipa <ipa> lsid <ipa>
Severity	Error
Description	Sending the message to HA-CPU FAILED.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsupdate_rx_event_callback: lsa add failed for lsid <ipa>
Severity	Error
Description	Adding new LSA on HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU.Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsupdate_rx_event_callback: lsa flood failed for lsid <ipa>
Severity	Error
Description	Hot-standby OSPF data will be out of sync with master CPU.
Synopsis	Check memory stats on HA-CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsupdate_rx_event_callback: msg length mismatch. master msglen = <int> expected msglen = <int> lsa length <int>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_lsupdate_rx_event_callback: nbr <ipa> NOT found.
Severity	Error
Description	OSPF neighbor specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsupdate_rx_event_cb: add lsa failed: lsid <ipa> seq <int> exists.
Severity	Error
Description	Cannot add new LSA as another instance exists on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsupdate_rx_event_cb: BAD event mask <int>. LSA does not exist! lsid <ipa> adv_rtr <ipa> type <int> seq <int> area <ipa>
Severity	Error
Description	LSA does not exist on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsupdate_rx_event_cb: delete old request for lsid <ipa> for nbr <ipa> FAILED.
Severity	Error
Description	Deletion of LS request on HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_lsupdate_rx_event_cb: update lsa failed for lsid <ipa>for nbr <ipa>
Severity	Error
Description	Updating LSA on HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbma_nbr_entry_callback: area id = <area id> not found.
Severity	Error
Description	Area id specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_nbma_nbr_entry_callback: circuit not found. circuit ipa = <circuit ipa>
Severity	Error
Description	OSPF circuit specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbma_nbr_entry_callback: msgLen <len> expected msg length <len> mismatch!!
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_nbma_nbr_entry_callback: NBMA nbr add FAILED. NBMA Neighbor ipa <ipa>
Severity	Error
Description	NBMA neighbor addition failed on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbma_nbr_inactive_event_cb: cannot find NBMA nbr <ipa>
Severity	Error
Description	NBMA neighbor specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbma_nbr_table_notify: size mismatch. size of nbma_dst_sync_entry = <size> SIZE_OSPF_NBMA_NBR_TABLE_ENTRY = <size>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Synopsis: Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: Runtime software version on master CPU.

Message	ospfsync_nbr_change_state: invalid circ_pt\
Severity	Error
Description	OSPF circuit specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files and system logs.

Message	ospfsync_nbr_change_state: ls request list is not empty: nbr <ipa>
Severity	Error
Description	When neighbor state was changed to FULL, LS request list is not empty on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Reboot HA-CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_entry_callback: cannot create NBR <ipa>
Severity	Error
Description	Cannot create neighbor on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_entry_callback: msgLen <len> expected msg length <len mismatch!!
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_nbr_entry_callback: Nbr <ipa> exists.
Severity	Error
Description	HA-CPU already has the neighbor that is synced by the master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_inactive_event: sync msg failed for nbr ipa <ipa>
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_inactive_event_callback: msg length mismatch. master msglen = <int> expected msglen = <int>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_nbr_inactive_event_callback: nbr <ipa> NOT found.
Severity	Error
Description	Neighbor specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_reqlist_add_callback: lsreq malloc FAILED for lsid <ipa> nbr <ipa>
Severity	Error
Description	Memory allocation failed on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_reqlist_add_callback: nbr <ipa> NOT found.
Severity	Error
Description	OSPF neighbor specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_nbr_reqlist_add_callback: nbr <ipa> state <state> is invalid.
Severity	Error
Description	OSPF neighbor state on HA-CPU is invalid to receive LS requests.
Synopsis	Hot-standby OSPF data may be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_nbr_reqlist_add_cb: size mismatch: ha_nbr_info size = <size> received size = <size>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_nbr_reqlist_add_cb: size mismatch: lsreq_sync_entry size = <size> received size = <size>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_nbr_reqlist_add_event: consistency check failed. ha_nbr_info size of <size> SIZE_OSPF_NBR_INFO_ENTRY = <size> lsreq_sync_entry size <size> SIZE_OSPF_LSREQ_SYNC_ENTRY = <size>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	msg : ospfsync_nbr_reqlist_add_event: malloc failed. size = <size> nbr ipa <ipa>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_reqlist_add_event: sync FAILED. nbr ip \<ipa\>
Severity	Error
Description	Sending the message to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_rtxlist_add_event: consistency check failed. ha_nbr_info size of \<size\> SIZE_OSPF_NBR_INFO_ENTRY = \<size\> lsa_sync_entry size \<size\> SIZE_OSPF_LSA_SYNC_ENTRY = \<size\>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_nbr_rtxlist_add_event: malloc failed! size = \<size\>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_rtxlist_add_event_cb: nbr <ipa> NOT found.
Severity	Error
Description	OSPF neighbor specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_nbr_rtxlist_add_event_cb: adding to rtx list failed. nbr ipa <ipa> lsid <ipa> adv_rtr <ipa> type <type> seq <seq>
Severity	Error
Description	Adding retransmission element failed on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nbr_rtxlist_add_event_cb: invalid area_pt for area_id <ipa>
Severity	Error
Description	OSPF area specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_nbr_rtxlist_add_event_cb: lsa is NOT in lsdb. lsid: \<ipa\> adv_rtr \<ipa\> ls type \<type\> master's seq # \<seq\>.
Severity	Error
Description	OSPF LSA specified by the master CPU is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs, and configuration files.

Message	ospfsync_nbr_rtxlist_add_event_cb: size mismatch: ha_nbr_info size = \<size\> received size \<size\>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_nbr_rtxlist_add_event_cb: size mismatch: lsa_sync_entry size = \<size\> received size \<size\>.
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_nbr_table_notify: size mismatch. size of tNbrTblSyncEntry = \<size\> SIZE_OSPF_NBR_TABLE_ENTRY = \<size\>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_nssa_translator_change_event: send failed. area id \<ipa\>
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_nssa_translator_change_event_cb: area id \<ipa\> does NOT exist.
Severity	Error
Description	Area id specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_add_ext_rt: (more specific) add import summ failed. ase dst <ipa>
Severity	Error
Description	Adding appendix E case AS external header failed on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_add_ext_rt: add import summ failed. ase dst <ipa>
Severity	Error
Description	Adding AS external header failed on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_add_ext_rt: add new failed as ASE exists. ase dst <ipa>
Severity	Error
Description	AS External header already exists on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_add_ext_rt: add summ ase failed. ase ipa <ipa>
Severity	Error
Description	Adding AS External summary header failed on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_add_ext_rt: appendix E case mismatch. appendix E case not found
Severity	Error
Description	Cannot find appendix E case AS External header on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_add_ext_rt: ase does not exist to modify. ase dst <ipa>
Severity	Error
Description	AS External header not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_add_ext_rt: cannot find summ ase <ipa>
Severity	Error
Description	Cannot find AS External header on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following informationavailable: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_add_ext_rt: could not allocate memory for ASE.
Severity	Error
Description	Memory allocation failed on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_all_redis_callback: size mismatch. redist_route_sync_entry size = <int> rxed size <int>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_proc_all_redis_callback: size mismatch. ase_sync_entry size = <int> rxed size <int>
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_add_ext_rt: cannot find summ ase <ipa>
Severity	Error
Description	Cannot find AS External header on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_del_ext_rt: exact match not found. rxed ase dst <ipa> mask <ipa> src <int> type <int> cost <int>
Severity	Error
Description	Cannot find AS External summary header on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_del_ext_rt: invalid ase. rxed ase dst <ipa> mask <ipa> src <int> type <int> cost <int>
Severity	Error
Description	Cannot find AS External summary header on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_redis_ase_event_cb: FAILED for ase ip add ipa> mask <ipa> sync_flag <hex>
Severity	Error
Description	Processing redistribute event on HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_proc_redis_ase_event_cb: unknown sync flag = <hex>
Severity	Error
Description	Sync flag received by HA-CPU is not recognized.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Compare software versions between the CPUs. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_route_event_cb: add route FAILED. a route to dst \<ipa> found.
Severity	Error
Description	Add route on HA-CPU failed as a route already exists.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_route_event_cb: add route FAILED. route dst \<ipa>
Severity	Error
Description	Add route on HA-CPU failed probably caused by low memory.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_route_event_cb: modify route FAILED. route to dst \<ipa> not found.
Severity	Error
Description	Route modification failed on HA-CPU as the route is not found.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_route_event_cb: msg length mismatch. master msglen = \<int\> expected msglen \<int\>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_route_table_cb: route add FAILED. dst \<ipa/mask\> first nhop \<ip address\>
Severity	Error
Description	Adding OSPF route on HA-CPU failed during table sync. This may be caused by low memory.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_route_table_cb: route_sync_entry size mismatch. size \<size\> rxed \<size\>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_route_table_notify: arp entry is null. route dst <ip address/mask>
Severity	Error
Description	On Master CPU, OSPF route does not have an ARP entry for it's next hop. This is can be caused by low memory.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_route_table_notify: size mismatch. size of route_sync_entry = <size> SIZE_OSPF_ROUTE_SYNC_ENTRY = <size>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_sanity_check_callback: size mismatch. ha-cpu's area_lsa_cksum_sync_entry size = <int> received size = <int>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_sanity_check_cb: area does not exist. area id <ipa>
Severity	Error
Description	Area id specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_sanity_check_event: expired timers found. count <int>
Severity	Warning
Description	Expired timers are not getting cleaned up in a timely fashion during table sync or HA-CPU to master fail-over.
Synopsis	OSPF data may get stale.
Action	Check CPU utilization. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	msg : ospfsync_sanity_check_event: malloc failed! msg_length = <int>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_sanity_check_event: send failed
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_send_all_redis_notify_lists: bad ase_notify_list counter. cnt = <int> ase_notify_list.cnt = <int>
Severity	Error
Description	Number of sent entries and number of elements in notify list do not match.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_send_all_redis_notify_lists: bad redist_route_notify_list counter. cnt = <int> redist_route_notify_list.cnt <int>
Severity	Error
Description	Number of sent entries and number of elements in notify list do not match.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_send_all_redis_notify_lists: malloc failed. size = <int>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_send_all_redis_notify_lists: notify FAILED
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_send_lsack_notify_list: bad ls_ack_notify_list count = <int>
Severity	Error
Description	Accumulated LS ACK elements and actual number of LS ACK elements that were syned to HA-CPU do not match.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_send_lsack_notify_list: malloc failed. size <int>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_send_lsack_notify_list: notify FAILED. nbr ipa = <ipa>
Severity	Error
Description	Framework message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_send_route_notify_list: FAILED. route destination = <ipa>
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_send_t7leak_notify_list: FAILED. ase destination <ipa>
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_spf_run_event_cb: invalid area ptr. a_id = <ipa>
Severity	Error
Description	Area id specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_event_callback: add FAILED. summary header exists. summ net <ipa> mask <ipa> type <int> sync_flag <int>
Severity	Error
Description	OSPF summary header already exists on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_event_callback: invalid area for sh summ net \<ipa\> mask \<ipa\> type \<int\> sync_flag \<int\>
Severity	Error
Description	Area id specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_event_callback: invalid old nexhop area id \<ipa\> for sh summ net \<ipa\> mask \<ipa\> type \<int\> sync_flag \<int\>
Severity	Error
Description	Area id specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_event_callback: invalid summ hdr state: local summary header not updated. summ net \<ipa\> mask \<ipa\> type \<int\> sync_flag
Severity	Error
Description	Sync flag state received from master CPU is not valid.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check software version on both CPUs. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_event_callback: update NEW FAILED. current summ state \<int> summ net \<ipa> mask \<ipa> type \<int> sync_flag \<int>
Severity	Error
Description	Invalid summary header flag on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_event_callback: update summary FAILED. summary header does not exist. summ net \<ipa> mask \<ipa> type \<int> sync_flag \<int>
Severity	Error
Description	OSPF summary header not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_event_cb: msg length mismatch. master msglen = \<int> expected msglen = \<int>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_summ_header_callback: source or next hop areas does not exist for sh summ net <ipa> mask <ipa> type <type> sync_flag <val>
Severity	Error
Description	Summary header related area info not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_header_callback: out of memory.
Severity	Error
Description	Cannot allocate memory for summary header on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_header_cb: summhdr_sync_entry size mismatch. size <size> rxed = <size>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_summ_header_notify: malloc failed. msg len <length>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_summ_header_notify: size mismatch. size of summhdr_sync_entry = < size > SIZE_OSPF_SUMMHDR_SYNC_ENTRY = <size>
Severity	Error
Description	Real size and static size of sync data structure do not match on master CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software version on master CPU.

Message	ospfsync_summ_header_notify: malloc failed. msg len <length>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_t7leak_event_cb: cannot create entry for dest <ipa>
Severity	Error
Description	Memory allocation failed on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_t7leak_event_cb: msg length mismatch. master msglen = <int> expected msglen = <int>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_t7leak_event_cb: T7 leaked entry does not exist for dest <ipa>
Severity	Error
Description	Modification failed as Type 7. Summary header is not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_t7leak_event_cb: T7 leaked entry exists for dest \<ipa\>
Severity	Error
Description	Add failed as Type 7 Summary header already exists on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_table_sync_done: malloc failed.
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_tic_sync_event: failed
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_update_translate_event: "msg sent failed. msg mask = <hex>
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_update_translate_event: area is NULL.
Severity	Error
Description	Area pointer passed to above function is NULL.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_update_translate_event: invalid msg mask = <hex>
Severity	Error
Description	Invalid message mask passed to above function.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_update_translate_event_callback: area id <ipa> does NOT exist.
Severity	Error
Description	Area id specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_update_virtual_link_event_cb: area <ipa> not found
Severity	Error
Description	Area id specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ospfsync_update_virtual_link_event_cb: virtual circuit creation failed to abr = <ipa>
Severity	Error
Description	Virtual circuit creation on HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_update_virtual_link_event_cb: virtual circuit exists to abr! rtid = <ipa>
Severity	Error
Description	Virtual circuit already exists on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_vc_circuit_table_entry_callback: virtual circuit creation to ABR <ipa> FAILED.
Severity	Error
Description	Creation of OSPF virtual circuit on HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_vc_circuit_table_entry_callback: virtual circuit to ABR <ipa> creation FAILED.
Severity	Error
Description	creation of OSPF virtual circuit on HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_virtual_circ_event: sync failed. virtual rtid <ipa>
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_virtual_circ_event_cb: area does not exist. area id <ipa>
Severity	Error
Description	Area id specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_virtual_circ_event_cb: msg length mismatch. expected size <int> rxed size <int>
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfsync_virtual_circ_event_cb: real circuit not found. circ ipa \<ipa> area id \<ipa> ABR router id \<ipa>
Severity	Error
Description	Physical ospf circuit for virtual interface not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_virtual_circ_event_cb: transit area does not exist. area id \<ipa> vlink rtid \<ipa>
Severity	Error
Description	Area id specified by the master CPU cannot be found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_virtual_circ_event_cb: virtual circuit not found. vlink rtid \<ipa>
Severity	Error
Description	OSPF virtual circuit not found on HA-CPU.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncCallback: unknown msg type <msg type>
Severity	Warning
Description	Secondary CPU does not recognize the received OSPF msg type.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Load compatible L3 redundancy software versions on master and secondary. Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfSyncCallback: unsupported version <version id>
Severity	Error
Description	Secondary CPU does not support the OSPF framework version that is loaded on master CPU. OSPF framework versions between the CPU do not match.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Load compatible L3 redundancy software versions on master and secondary CPUs. Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	ospfSyncNotify: ospf_config_grp_table_notify: FAILED.
Severity	Error
Description	Table syncing of OSPF config group mib table failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospf_lsdb_table_entry_sync FAILED.
Severity	Error
Description	Table syncing of OSPF LSDB table failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfDistinTemplNotify FAILED.
Severity	Error
Description	Table syncing of OSPF redistribute template info failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfOsCircuitTblEntrySync (virtual interface) FAILED
Severity	Error
Description	Table syncing of OSPF virtual interfaces failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfOsCircuitTblEntrySync FAILED
Severity	Error
Description	Table syncing of OSPF interfaces (circuits) failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfRedistinTemplNotify FAILED.
Severity	Error
Description	Table syncing of OSPF redistribute template info failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfsync_area_table FAILED.
Severity	Error
Description	Table syncing of OSPF area table failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfsync_ase_header_notify: (ase header) FAILED.
Severity	Error
Description	Table syncing of OSPF AS External header info failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfsync_ase_header_notify: (ase summary header) FAILED.
Severity	Error
Description	Table syncing of OSPF AS External summary headers failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfsync_ase_header_notify: (t7 leaked ase header) FAILED.
Severity	Error
Description	Table syncing of OSPF type 7 AS External header info failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfsync_host_route_sync FAILED.
Severity	Error
Description	Table syncing of OSPF host route entries failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfsync_nbr_table_notify (virtual interface) FAILED.
Severity	Error
Description	Table syncing of OSPF neighbors learned on virtual interfaces failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfsync_nbr_table_notify FAILED.
Severity	Error
Description	Table syncing of OSPF dynamic neighbor table failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfsync_route_table_notify FAILED.
Severity	Error
Description	Table syncing of OSPF routes failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfsync_summ_header_notify FAILED.
Severity	Error
Description	Table syncing of OSPF summary header failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Ospf Nbr State Change rtid:_ _ _ _ ipa: _ _ _ _ nbr-rtid: _ _ _ _
Severity	Info
Description	This message is generated if there is a change in the neighbor's state.
Synopsis	Neighbor state change.
Action	Internal change of state information.

Message	ospf_do_kill_nbr: Impossible State
Severity	Fatal
Description	This message is generated when the system encounters an invalid state for neighbor's current state of conversation.
Synopsis	Invalid current state of neighbor.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospf_largeoframe_alloc: buffer length too long than large fbuf-len= __
Severity	Error
Description	This message is generated when the length of the packet is greater than the Maximum declared size for it.
Synopsis	Requested size of the buffer exceeds the maximum allowed limit.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospf_oframe_alloc: buffer length too long - len= __
Severity	Error
Description	This message is generated if the length of the OSPF buffer requested is greater than the Maximum allowed size.
Synopsis	OSPF buffer bigger than the maximum limit.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospf_oframe_free: trying to free a null buffer
Severity	Error
Description	When an attempt is made to free a null memory for OSPF frame, this message is generated.
Synopsis	Attempt to free a NULL buffer.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfAddLsai - invalid lsa type
Severity	Fatal
Description	This message is generated if the type of LSA is not valid at all.
Synopsis	Invalid LSA type to add the LSA id.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfAddLsai - lsa len is > max_lsa_len
Severity	Fatal
Description	This message is generated if LSA length is out of range.
Synopsis	Invalid length of the LSA.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration and network topology for further analysis.

Message	ospfAddLsai lsa type __
Severity	Fatal
Description	This message is generated when the LSA type is invalid.
Synopsis	Invalid LSA type.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration and network topology for further analysis.

Message	ospfAddTent: couldn't allocate memory for path entry in the list
Severity	Warning
Description	The system is unable to allocate memory for the path entry list.
Synopsis	Unable to allocate memory.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfCopyIntfInfo: could not find the IpRec
Severity	Fatal
Description	An IP interface is not found for the given IP address.
Synopsis	Unable to obtain IP interface from the database.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfExtLsaLink: calloc failed: could not link _ _ _ _
Severity	Error
Description	This message is generated when trying to allocate memory for LSA index in a linked list.
Synopsis	Failure to allocate memory when trying to add a new element in the linked list has occurred.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfFindLsai: invalid lsa type
Severity	Error
Description	This message is generated if an invalid type is passed to find the LSA.
Synopsis	Type out of range.
Action	NA

Message	ospfFlood: debug info
Severity	Info
Description	This message is generated before a Fatal error occurs. This is caused due to an unclear LSA ID, Receive nbr state and system is not able to identify it.
Synopsis	LSA reference count is not zero.
Action	No action required.

Message	ospfFlood: rx_nbr, rx_nbr_st and old rtx not clear
Severity	Fatal
Description	This message is generated before a Fatal error occurs. This is caused due to an unclear LSA ID, Receive nbr state and system is not able to identify it.
Synopsis	System restart due to non-zero LSA reference count
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfLsaRefresh netlinks - no circ for ipa=_._._._
Severity	Fatal
Description	This message is generated during refreshing the network links and no OSPF circuit is found for the IP address.
Synopsis	Unable to refresh network links.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfLsaRTXClr reference count is zero
Severity	Fatal
Description	This message is generated if the reference count of the LSA to be deleted from the retransmit list is zero.
Synopsis	Reference count is 0.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfLsaTimeout: lsai is null
Severity	Fatal
Description	This message is generated when invalid LSA identity is obtained.
Synopsis	Invalid LSA encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfModLeak: Area broken or not connected to backbone
Severity	Warning
Description	This message is generated if the area is not connected to the backbone. This follows a OSPF transit.
Synopsis	Area broken or not connected to backbone.
Action	Establish Virtual Neighbor ship for the area to the backbone.

Message	ospfNeighborRetransmit: nbr= __
Severity	Fatal
Description	This message is generated when the system encounters invalid reference count for the LSA.
Synopsis	Invalid reference count for deletion.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfProcDDP: interface is null
Severity	Fatal
Description	Generated when processing DDP packets and found that interface was null.
Synopsis	Invalid interface.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfProcHello: netmask mismatch ipa= _._._._
Severity	Info
Description	This message is generated due to a mismatch in the netmask of the Hello packet and interface.
Synopsis	Netmask mismatch between hello packet and interface.
Action	Enter proper IP network and netmask of the area.

Message	ospfProcHello: option-e or n mismatch ipa=_._._._
Severity	Info
Description	This message is generated when there is a mismatch between the hello packet options and the area options.
Synopsis	Mismatch between the E and N options.
Action	Set valid network options.

Message	ospfSyncNotify: ospfNodeTblSync FAILED
Severity	Error

Message	ospfProcLSR: invalid - circuit is NULL
Severity	Fatal
Description	This message is generated if the interface is a null due to internal protocol error.
Synopsis	Invalid interface encountered
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfProcLSU: interface is null
Severity	Fatal
Description	This message is generated when the system encounters an invalid OSPF interface when sending a LSU.
Synopsis	Invalid OSPF interface encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfRetransDel count 0
Severity	Fatal
Description	This message is generated if the reference count of the LSA to be deleted from the retransmit list is zero.
Synopsis	No node to delete.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfRTXLink: failed to add
Severity	Fatal
Description	This message is generated when a new link could not be inserted in the nbr retransmission list.
Synopsis	Unable to insert an entry in the rtx list.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSpfExtern: Running Incremental SPF when it is turned off
Severity	Error
Description	This message is generated when incremental SPF is run even after disabling it.
Synopsis	Running incremental SPF even after being disabled.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSpfInter: Running Incremental SPF when it is turned off
Severity	Error
Description	This message is generated when incremental SPF is run even after disabling it.
Synopsis	Running incremental SPF even after being disabled.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfsync_event_sync: send failed. even id <event id>
Severity	Error
Description	Generic OSPF event sync failed due to an error in framework message sending.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfSyncNotify: ospfNodeTblSync FAILED
Severity	Error
Description	Table syncing of OSPF Node data failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats, try rebooting secondary CPU to force a fresh table sync. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfTimerLink invalid timer value __
Severity	Error
Description	This message is generated when the signature of the timer is not a valid one.
Synopsis	Invalid timer.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfTimerUnlink invalid timer value
Severity	Error
Description	This message is generated when the system encounters an invalid OSPF timer signature.
Synopsis	Invalid OSPF timer.
Action	Rerun OSPF, if problem not solved, contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfUpdateLsai lsa type
Severity	Fatal
Description	This is a fatal error and is generated when the system encounters an invalid LSA type.
Synopsis	Invalid LSA type encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfUpdateLsai lsa type __
Severity	Fatal
Description	This message is generated during updating the LSA when undefined LSA type is encountered.
Synopsis	Undefined LSA type encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfUpdateLsai: len __ is > max_len __
Severity	Fatal
Description	This message is generated when the length of the LSA packet is greater than the maximum length defined.
Synopsis	Invalid length of LSA packet.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfVCEvent
Severity	Fatal
Description	This message is generated when the virtual circuit event is invalid. This is fatal that would crash the box.
Synopsis	Unrecognized virtual circuit event.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ospfVCEvent: could not find route
Severity	Error
Description	This message is generated when system is not able to get the MAC address of the next hop to be used by OSPF hello packet.
Synopsis	Could not find route to destination
Action	Action not applicable.

Message	ospfVCEvent: could not find the arp info
Severity	Error
Description	This message is generated when the system looks up the ARP entry for the destination IP address.
Synopsis	ARP entry for destination not found.
Action	NA

Message	ospfVerLsaCsum: the length field in lsa seems to be invalid
Severity	Error
Description	This message is generated when the system encounters an invalid value for the length of the LSA.
Synopsis	Invalid length of LSA.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Peer RSMLT IP __ is not in Local RSMLT IP subnet __ on Vlan __
Severity	Warning
Description	This message is generated during a set operation when the peer RSMLT IP is not in the local RSMLT IP circuit.
Synopsis	N/A
Action	Contact customer service.

Message	Pim mode is not set
Severity	Error
Description	This message is generated if PIM routing is not enabled globally.
Synopsis	PIM mode is not set.
Action	Enable PIM on the port.

Message	Pim mode is not set
Severity	Error
Description	This message is generated if PIM mode (sparse/dense) is not set before enabling PIM on an interface.
Synopsis	PIM mode is not set.
Action	Check if the mode is set to sparse (dense mode is not supported).

Message	Please power cycle or reset 8600 chassis
Severity	Error
Description	This message is generated when deletion of STG and after removal of all Web Switching Modules fails.
Synopsis	Possible Solution of the above issue.
Action	NA

Message	Port -- authenticating
Severity	Info
Description	This message is generated when an 8021x controlled port enters the authenticating state of Authenticator PAE State Machine
Synopsis	Port entered the authenticating state of Authenticator PAE State Machine.
Action	No action necessary

Message	Port -- connecting
Severity	Info
Description	This message is generated when an 8021x controlled port enters the connecting state of Authenticator PAE State Machine.
Synopsis	Port entered the connecting state of Authenticator PAE State Machine.
Action	No action necessary

Message	Ports for WSM blade in slot __
Severity	Info
Description	This message is generated when a Web Switching Module has not been inadvertently added to another MLT.
Synopsis	Ports for a Web Switching Module are already members of a MLT ID.
Action	NA

Message	PreconfigTask SLot __: cont_bootp_config request
Severity	Info
Description	This message is generated when bootp requests preconfig task to run the preconfig.
Synopsis	N/A
Action	N/A

Message	PreconfigTask: card inserted request
Severity	Info
Description	This message is generated when a card is inserted from a slot in non-hidden mode.
Synopsis	N/A
Action	N/A

Message	PreconfigTask: card removed request
Severity	Info
Description	This message is generated when a card is removed from a slot in non-hidden mode.
Synopsis	N/A
Action	N/A

Message	PreconfigTask: illegal cont_bootp_config
Severity	Error
Description	When bootp requests preconfig task to run the preconfig and the card is not in the inserted stage.
Synopsis	Card not inserted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	PreConfigTask: PreConfig will be re-tried!!
Severity	Info
Description	This message is generated when to specify that PreConfig will be re-tried.
Synopsis	N/A
Action	N/A

Message	PreConfigTask: Slot __ NO pre-configured
Severity	Error
Description	This message is generated when a slot is not pre-configured due to insufficient MLT's.
Synopsis	Slot not configured.
Action	Free MLT and re-insert card.

Message	PreconfigTask: waiting for request
Severity	Info
Description	This message is generated when task is waiting for a request to come in non-hidden mode.
Synopsis	N/A
Action	N/A

Message	ProcPendingRefresh _._._._ type _
Severity	Error
Description	This message is generated if LSA type is not of Hashed type.
Synopsis	Invalid LSA type.
Action	No action required.

Message	rccExtendAggrNetList failed: no memory
Severity	Warning
Description	This message is generated when system is not able to allocate memory for a block of size 1024.
Synopsis	Cannot allocate memory dynamically.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	rccInitAggrNetList failed
Severity	Warning
Description	This message is generated whenever initialization of the aggregated-networks list for RIP fails.
Synopsis	Dynamic memory allocation failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rccOspfHelloTimerLink invalid timer value _ _
Severity	Error
Description	This message is generated when an invalid timer is passed to the timer linking function rccOspfHelloTimerLink().
Synopsis	Invalid timer value.
Action	Internal error, rerun OSPF. If problem not solved, contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rccOspfOfHelloAlloc: pOspfHelloBd is NULL
Severity	Error
Description	This message is generated if a null is encountered allocating the Hello buffer.
Synopsis	OSPF buffer descriptor is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rccOspfOfHelloFree: trying to free a null buffer
Severity	Error
Description	This message is generated when trying to free OSPF hello buffer as the buffer is a NULL.
Synopsis	Null buffer encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rccOspfTimerUnlink invalid timer value _ _
Severity	Error
Description	This message is generated if when an invalid timer value is passed to the unlinking function.
Synopsis	Invalid timer value passed.
Action	Internal error, rerun OSPF. If problem not solved, contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddrTblSynCallBack: unable to allocate an IpRec for IfIndex \<int\>
Severity	Error
Description	Cannot create an IP record for IP interface on HA-CPU.
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddrTblSyncCallback: corrupt msg
Severity	Error
Description	Ip Record info received on HA-CPU is NULL.
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpGetDhcpRec: unable to allocate a DhcpRec
Severity	Error
Description	Memory allocation failed on HA-CPU.
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpRouteTblSetEvent: event sync failed.
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby IP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpSyncVlanDownEvent: malloc failed. IfIndex = \<int\>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	VLAN down event may not get synced to HA-CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpSyncVlanDownEvent: sync failed. IfIndex = \<int\>
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	VLAN down event may not get synced to HA-CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpSyncVlanDownEventCallback: cannot find IP Record for IfIndex = \<int\>
Severity	Error
Description	Cannot find an IP record for the ifindex received from master CPU on HA-CPU.
Synopsis	VLAN down event may not get synced to HA-CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	recomputing: rcIpGetIf returns NULL
Severity	Error
Description	This message is generated when search for IP interface returns NULL.
Synopsis	Interface not identified.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	redistribution sync malloc failed. size = <int>
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIgmpStat: rcIpGetIf returns NULL
Severity	Error
Description	This message is generated when search for IP interface returns NULL.
Synopsis	Interface not identified.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddPortToVlan: Bad PortNum __
Severity	Error
Description	This message is generated if the port number is out of range of valid values.
Synopsis	Invalid port number.
Action	Provide a correct and valid port number.

Message	rcIpAddReplaceStaticRoute: rcIpStaticRouteActive failed
Severity	Error
Description	This message is generated when the static route whose state has to be changed to active is not present.
Synopsis	List is empty.
Action	Check the configuration for IP static route entries.

Message	rcIpAddRoute: route pointer is null
Severity	Error
Description	This message is generated when an invalid or null route entry is made in the CLI for the.
Synopsis	Invalid Route entry for adding IP route.
Action	Provide valid route entry in the CLI.

Message	rcIpAddRoute: Arp pointer is NULL for route
Severity	Fatal
Description	While adding an IP route, the ARP pointer is found to have NULL. This is a Fatal error.
Synopsis	APR pointer to the route is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddRoute: ipCircFromId failed for cid
Severity	Error
Description	This message is generated if getting pointer to circuit fails.
Synopsis	Unable to get pointer to circuit.
Action	No immediate action required.

Message	rcIpAddRoute: ipCircFromId failed for cid
Severity	Error
Description	This message is generated if getting pointer to circuit fails.
Synopsis	Unable to get pointer to circuit.
Action	No immediate action required.

Message	rcIpAddRoute: rarAddIpRoute failed
Severity	Error
Description	This message is generated if an IP route entry cannot be added. This can be caused if unable to allocate memory, inconsistency in ghost records and hardware records.
Synopsis	Adding of IP route failed.
Action	Enter a valid IP address, next hop and IP mask. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddRoute: rarMakeNextHopRouter failed
Severity	Error
Description	This message is generated when trying to update a route entry for the next hop router. This can be caused if unable to allocate memory, inconsistency in ghost records and hardware records.
Synopsis	Failed to allocate route entry for next hop router.
Action	Enter a valid IP address, next hop and IP mask. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddRoute: rcIpAddArp failed with _ _ Status.
Severity	Error
Description	This message is generated if the system is unable to add the ARP entry to the table.
Synopsis	Addition of the ARP unsuccessful.
Action	Enter a valid IP address, next hop and IP mask. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddrTblConsistencyCheck: unable to allocate an IpRec for IfIndex _
Severity	Error
Description	This message is generated if the IP record is not a valid entry. This occurs while performing the table consistency check.
Synopsis	Invalid IP record entry.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddrTblConsistencyCheck: unknown row status _
Severity	Error
Description	This message is generated if an invalid row status is encountered during consistency check on the table.
Synopsis	Invalid row status encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddrTblSet: unable to allocate an IpRec for IfIndex _
Severity	Error
Description	This message is generated if the system is unable to find or allocate a new IP record for the provided index. This may be caused due to unavailability of the memory.
Synopsis	Unable to allocate IP record.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddrTblSet: unable to find an IpRec for ifindex _
Severity	Error
Description	This message is generated if an invalid index for a IP record is passed.
Synopsis	Invalid IP record.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddrTblSet: unknown row status _
Severity	Error
Description	This message is generated if an invalid row status in encountered.
Synopsis	Invalid row status encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddrTblSet: vlanGetMcastGroupId failed for Vlan __ IfIndex __
Severity	Error
Description	This message is generated if the VLAN is invalid.
Synopsis	Invalid VLAN.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddrTblSynCallBack: unable to allocate an IpRec for IfIndex
Severity	Error
Description	This message is generated when it is unable to allocate an IP record.
Synopsis	Unable to allocate IP record.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddStaticArp: arpadd failed for failed
Severity	Error
Description	The addition of a static ARP entry in the ARP table failed.
Synopsis	Addition of static ARP table entry failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddStaticArp: ipCircFromIFID failed
Severity	Error
Description	This message is generated when the circuit data is null for a given specific circuit id.
Synopsis	Getting semaphore failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddStaticRoute: arpaddUnres returns NULL
Severity	Fatal
Description	This message is generated if system is not able to locate an entry in the unresolved table.
Synopsis	Search failed
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpAddStaticRtsByArp: could not find the specified next hop
Severity	Error
Description	This message is generated when ECMP path index for non-local static route is not equal to its maximum value.
Synopsis	Value mismatch.
Action	Check the configuration for maximum value of when ECMP path index.

Message	rcIpBootPReply: cppTxFrame failed!
Severity	Error
Description	This message is generated when forwarding a BootP Replay packet frame through the specified port failed. The CPU transmit queue may be full, the CPU frame buffer may be used up, or there may be another problem.
Synopsis	A frame cannot be transmitted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpConfDhcpTblGet invalid get option
Severity	Error
Description	This message is generated when invalid option is selected.
Synopsis	Option invalid.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpConfDhcpTblGet invalid Mode
Severity	Error
Description	This message is generated when invalid mode is selected.
Synopsis	Mode invalid.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpConfDvmrpTblEntryAdd: Can't malloc
Severity	Error
Description	This message is generated when addition of an entry to the Ip Config DVMRP link list fails.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory.

Message	rcIpConfRsmltTblSet: entry config event sync failed for IfIndex —
Severity	Error
Description	This message is generated it was unable to sync RSMLT configurations to the secondary CPUThis message is generated it was unable to sync RSMLT configurations to the secondary CPU
Synopsis	Software Error.
Action	Contact customer service.

Message	rcIpOspfInFilterTblSet : OSPF Accept event sync failed
Severity	Error
Description	This message is generated on the master when the RPS entity is unable to notify OSPF accept policy event during an event based synchronization in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpRsmltAddMacRecordForPeer: add MacAddress __ failed on MGID __ for IfIndex __
Severity	Error.
Description	This message is generated when the system is unable to add a MAC address record.
Synopsis	Addition of MAC address record failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration and network topology for further analysis.

Message	rcIpxRsmltAddMacRecordForPeer: add MacAddress __ failed on MGID __ for Vlan __
Severity	Error
Description	This message is generated when the addition of MAC address record fails.
Synopsis	Addition of MAC address failed.
Action	Contact customer service.

Message	rcIpxAddrTblSet: remove IPX Net addr and cid in Rsmlt circ failed on vlan __
Severity	Error
Description	Unable to remove the RSMLT circuit when the IPX circuit is deleted.
Synopsis	N/A
Action	Contact customer support.

Message	rcIpRsmltForwardingForPeer: Unable to find the Vlan __. IP RSMLT feature failed on Macaddr __
Severity	Warning
Description	This message is generated when we stop forwarding to peer and it is unable to find the specified VLAN.
Synopsis	Software error
Action	Contact customer service.

Message	rcIpxRsmltForwardingForPeer: Unable to find Vlan __. IPX RSMLT feature failed on Macaddr = __
Severity	Warning
Description	This message is generated if the VLAN is invalid.
Synopsis	VLAN not found.
Action	Contact customer service

Message	rcIpRsmltOperTblGet invalid get option __
Severity	Error
Description	This message is generated when invalid option is selected.
Synopsis	Invalid option
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration and network topology for further analysis.

Message	rcIpxRsmltOperTblGet invalid get option __
Severity	Error
Description	This message is generated when an invalid get option is selected
Synopsis	Option invalid
Action	Contact customer service.

Message	rcIpxRsmltSetLocalCircDefaultValue: chGetMacAddrVlan failed for VlanId __! No mac address available.
Severity	Warning
Description	This message is generated when it is unable to allocate a MAC address to the VLAN.
Synopsis	N/A
Action	Contact customer support.

Message	rcIpxRsmltSetNode: unknown action __
Severity	Error
Description	This message is generated when an unknown action is encountered during a set operation.
Synopsis	Unknown action
Action	Contact customer service.

Message	rcIpxRsmltSetPeerRecord: rcv RSMLT msg from IST, but no RSMLT circuit on Vlan __
Severity	Error
Description	This message is generated when RSMLT is not enabled on the VLAN and the system receives a message from the IST peer.
Synopsis	RSMLT Circ not found.
Action	Contact customer service.

Message	rcIpRsmltSetPeerRecord: rcv RSMLT msg from IST, but no circuit on IfIndex ___
Severity	Error
Description	This message is generated when RSMLT is not enabled on the VLAN and the system receives a message from the IST peer.
Synopsis	N/A
Action	Contact customer service.

Message	rcIpRsmltTempDefaulRouteAdd: add temporary default route to IST peer ___ failed
Severity	Error
Description	This message is generated when it is unable to add the temporary default route.
Synopsis	N/A
Action	Contact customer support.

Message	rcIpRsmltTempDefaultRouteAdd: can't replace one static route
Severity	Error
Description	This message is generated when it is unable to add the temporary default route.
Synopsis	N/A
Action	Contact customer support.

Message	rcIpRsmltTempDefaultRouteDelete: can't delete temporary default route
Severity	Error
Description	This message is generated when it is unable to delete the temporary default route added.
Synopsis	N/A
Action	Contact customer support.

Message	rcIpRsmltTempDefaultRouteDelete: deleting temporary default route sync failed for IP RSMLT
Severity	Error
Description	This message is generated when it is unable to sync the RSMLT configuration to the secondary CPU with HA enabled.
Synopsis	Sync failed.
Action	Contact customer support.

Message	rcRsmltTic: Vlan __ Ip Rsmlt Hold Down expire event sync failed
Severity	Error
Description	This message is generated when it was unable to sync the hold down expire event to the secondary CPU with HA enabled.
Synopsis	Sync event failed
Action	Contact customer service and have the following information available : system logs including any memory dumps, switch configuration and network topology for further analysis.

Message	rcIpConfigureCid: ipCircAddIPA failed for __ on IfIndex __
Severity	Fatal
Description	This message is generated if addition of an IP address to a circuit fails.
Synopsis	Cannot add IP address.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpConfigureCid: ipCircAddIPA failed for on IfIndex
Severity	Fatal
Description	This message is generated when an attempt to add an IP address to a circuit fails.
Synopsis	Addition of an IP address failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpConfigureCid: ipCircCreate failed for%s on IfIndex
Severity	Error
Description	This message is generated if the creation of an IP circuit failed.
Synopsis	Failure to create an IP circuit occurred.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpConfigureCid: Ospf circuit for Ifindex __ not found
Severity	Fatal
Description	This message is generated if invalid OSPF circuit is encountered.
Synopsis	Invalid OSPF circuit encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpConfigureCid: Rip circuit for Ifindex __ not found
Severity	Fatal
Description	This message is generated if the RIP circuit for the given id is not found, invalid RIP circuit encountered.
Synopsis	Invalid RIP circuit encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpDelArpByIfIndex: Can't create _ task
Severity	Error
Description	This message is generated when a try for spawning a task fails.
Synopsis	Unable to create the task.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpDelArpByIfIndexAll: Can't create _ task
Severity	Error
Description	This message is generated when a try for spawning a task fails.
Synopsis	Unable to create the task.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpDeleteRoute: route pointer is null
Severity	Error
Description	This message is generated when a pointer to a route entry is invalid or NULL. This is encountered when the system tries to delete the IP route entry dynamically from the table and finds that the pointer passed is NULL.
Synopsis	Unrecognized route entry passed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpDeleteStaticArp: unable to find an IpRec for IfIndex
Severity	Error
Description	This message is generated when the delete sequence is initiated for an ARP entry. And the search returns NULL.
Synopsis	Unable to find the IP record for the provided index.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpDeleteStaticArp: unable to find Static Arp Rec for _ IfIndex
Severity	Error
Description	This message is generated when the delete sequence is initiated for an ARP entry. And the search for a static ARP record fails.
Synopsis	Static ARP record for the given index is not available.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpGetDhcpPortStatsRec: Bad PortNum
Severity	Error
Description	This message is generated when port number is not within its specified range.
Synopsis	Port number is invalid.
Action	Check the configuration for port number minimum and maximum values.

Message	rcIpGetDhcpPortStatsRec: unable to allocate a DhcpPortStatsRec for PortNum
Severity	Error
Description	This message is generated when memory allocation fails.
Synopsis	Cannot allocate memory dynamically.
Action	Close all CLI sessions to free the memory.

Message	rcIpGetIcmpInMsgs: m2IcmpGroupInfoGet failed
Severity	Error
Description	This message is generated if the ICMP group information fetching failed while trying receiving the message.
Synopsis	ICMP group information fetching failed.
Action	If error persists contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpGetIcmpOutMsgs: m2IcmpGroupInfoGet failed
Severity	Error
Description	This message is generated if the ICMP group information fetching failed while sending the message.
Synopsis	ICMP group information fetching failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpGetInEchos: m2IcmpGroupInfoGet failed
Severity	Error
Description	This message is generated if the ICMP group information fetching failed while receiving in the echoes.
Synopsis	ICMP group information fetching failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpGetInEchosReps: m2IcmpGroupInfoGet failed
Severity	Error
Description	This message is generated if the ICMP group information fetching failed while receiving Inward echoes repetitions.
Synopsis	ICMP group information fetching failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpGetOutEchoReps: m2IcmpGroupInfoGet failed
Severity	Error
Description	This message is generated if the ICMP group information fetching failed while sending out the repetition echoes message.
Synopsis	ICMP group information fetching failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpGetOutEchos: m2IcmpGroupInfoGet failed
Severity	Error
Description	This message is generated if the ICMP group information fetching failed while sending out the echoes message.
Synopsis	ICMP group information fetching failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpGetVrrpRec: Bad IfIndex
Severity	Error
Description	This message is generated if IfIndex is not within its specified range.
Synopsis	IfIndex out of range.
Action	Check configuration for IfIndex.

Message	rcIpGetVrrpRec: Bad Vrid
Severity	Error
Description	This message is generated if Vrid is not within its specified range.
Synopsis	Vrid out of range.
Action	Check configuration for Vrid.

Message	rcIpGetVrrpRec: unable to allocate a VrrpRec for IfIndex
Severity	Error
Description	This message is generated when allocation for creating new VRRP Rec for IfIndex fails.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory.

Message	rcIpGo: Can't create rcIp task
Severity	Fatal
Description	This message is generated when an attempt to start the IP stack's receive
Synopsis	(rcIpTask) task fails.
Action	Spawning of task failed. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcipIgmpGroupTblEntryAdd: Can't malloc
Severity	Error
Description	This message is generated when the system is unable to allocate memory for the IGMP group table entry.
Synopsis	Memory unavailable.
Action	Increase DRAM memory size.

Message	rcIpInitOspfBufDesc: Can't alloc ospf bufdesc fbuf!!
Severity	Error
Description	This message is generated if the OSPF buffer initiation fails due to unavailability of memory.
Synopsis	Unable to allocate memory for OSPF buffer.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpLoadArpRec: unable to allocate a StatArpRec for IfIndex _
Severity	Error
Description	This message is generated when the allocation of a static ARP record fails due to memory allocation problem.
Synopsis	Memory allocation for the static ARP entry failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpLock: Can't take semaphore, rcIpRouteLockSemId
Severity	Error
Description	This message is generated when acquiring of this semaphore fails.
Synopsis	Getting semaphore failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpMakeVlanRoutable: ipFindRoute failed for IfIndex __
Severity	Fatal
Description	This message is generated when making the VLAN routable and the finding of IP failed.
Synopsis	Unable to find the IP route for the given index.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpModifyNextHop: Arp pointer is NULL for route: __ mask:
Severity	Error
Description	This message is generated when the protocol has found a better route and tries to modify the next Hop but finds that the ARP pointer is NULL.
Synopsis	Null ARP entry
Action	No immediate action required.

Message	rcIpModifyNextHop: rarMakeNextHopRouter failed with _ _ Status
Severity	Error
Description	This message is generated when an attempt is made to make a router the next hop and is unable to do so. This can also be due to the unavailability of address record.
Synopsis	Unable to make next hop router.
Action	No immediate action required.

Message	rcIpModifyNextHop: rarReplaceIpRoute failed with _ for route: _ mask: _ NextHop
Severity	Error
Description	This message is generated in the process trying to modify the next hop when the IP replace fails.
Synopsis	IP route replace failed.
Action	No immediate action required.

Message	rcIpModifyNextHop: rcIpAddArp failed with _ _ Status
Severity	Error
Description	This message is generated if the system is unable to add the ARP entry to the table.
Synopsis	Addition of the ARP unsuccessful.
Action	Enter a valid IP address, next hop and IP mask. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpNextHopExists: arpaddUnres returns NULL
Severity	Fatal
Description	This message is generated when an attempt to locate an ARP entry in the unresolved table fails.
Synopsis	Search failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpPolicyPrefixListTblSet: prefix-list event sync failed
Severity	Error
Description	This message is generated on the master when the RPS entity is unable to notify the prefix-list related event during an event based synchronization in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpPimIfxTblEntryAdd: Can't malloc
Severity	Error
Description	This message is generated if unable to allocate memory for PIM interface table.
Synopsis	Unable to allocate memory.
Action	Increase DRAM size, contact customer service for further troubleshooting.

Message	rcIpPimIfxTblEntryAdd: couldn't find vif with IfIndex= __
Severity	Warning
Description	This message is generated if the VIF index is not a valid one.
Synopsis	Invalid VIF encountered.
Action	If error persists contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpProcessFrame: pP2IpBd!= NULL after call to iprx
Severity	Error
Description	This message is generated when the previously received buffer is not freed.
Synopsis	Buffer not released.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpProcessFrame: pP2IpBd!= NULL after call to iprx
Severity	Error
Description	This message is generated if the pointer to buffer for sending the IP packet is not freed after a call to the IP receive.
Synopsis	Buffer pointer not freed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpremoveIPAR: rarDeleteIpRoute failed
Severity	Error
Description	This message is generated when the route could not be deleted in the hardware.
Severity	rarDeleteIpRoute fails.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpRemovePortFromVlan: Bad Port Number __
Severity	Error
Description	This message is generated if the port number is out of range of valid values.
Synopsis	Invalid port number.
Action	Provide a correct and valid port number.

Message	rcIpRipInterfaceTblSet: Rip Circuit not found
Severity	Error
Description	This message is generated when RIP circuit pointer is NULL.
Synopsis	Memory might be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcipRouteIndexAdd() - failed adding _._._._, Mask= _._._._
Severity	Warning
Description	This message is generated if addition of new route index failed.
Synopsis	Addition of route index failed.
Action	No action necessary.

Message	rcipRouteIndexRemove() - failed removing _._._._, Mask= _._._._
Severity	Warning
Description	This message is generated if removal of route index failed.
Synopsis	Freeing of route index failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpRedistributeTblSet :Redistribute event sync failed
Severity	Error
Description	This message is generated on the master when the RPS entity is unable to notify redistribution event during an event based synchronization in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpRoutePolicyTblSet : route-policy event sync failed
Severity	Error
Description	This message is generated on the master when the RPS entity is unable to notify route policy related event during an event based synchronization in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpRxFrame: can't signal semaphore
Severity	Fatal
Description	This is due to inability of the system to release the semaphore.
Synopsis	Unable to free semaphore.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpSetIpSuperNet: found ecmp class A supernet route
Severity	Error
Description	This message is generated when ECMP is not enable and one more one path is not allowed.
Synopsis	Only one path is allowed.
Action	Enable ECMP.

Message	rcIpStart: Can't create mutual-exclusion semaphore rcIpRouteLockSemId
Severity	Fatal
Description	An attempt to create a semaphore, which is used to control re-entrance to the routing process, failed.
Synopsis	Semaphore creation failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpStaticRouteTblSet: rcIpLoadRouteRec failed
Severity	Error
Description	This message is generated when MIB2 static route table entries are added and memory exhausts an also due to DUPLICATE ENTRY also.
Synopsis	Unable to allocate memory for loading RCIP route record.
Action	Increase DRAM size, contact Customer Support for further troubleshooting.

Message	rcIpStaticRtSyncCallback: unsupported msg type _
Severity	Error
Description	This message is generated if an invalid message type is encountered.
Synopsis	Invalid message type encountered.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpSuperNetAddRoute: rarAddIpRoute failed with _: _._._._ mask: _._._ nh:_._. pRent _
Severity	Error
Description	This message is generated if adding of a IP route fails while trying to all a Super net address.
Synopsis	Invalid Mask and route entry.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpSuperNetAddRoute: rarAddIpRoute failed with _:_ mask:_ nh: _
Severity	Error
Description	This message is generated if adding of IP route fails while trying to add all supernet addresses.
Synopsis	Unable to add IP route entry.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpSuperNetDeleteRoute: find non-ecmp less specific route
Severity	Error
Description	This message is generated a non ECMP route is encountered.
Synopsis	Non-ECMP, less specific route chosen.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpSuperNetReplaceRoute: rarReplaceIpRoute failed with _ for route: _ mask: _ NextHop
Severity	Error
Description	This message is generated if replace IP route failed with.
Synopsis	Replace failed IP address.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpSuperNetReplaceRoute: trying to delete non-ecmp supernetting route
Severity	Error
Description	This message is generated when trying to replace a route which is a non-ecmp supernetting route.
Synopsis	Deleting a non-ecmp route.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpSuperNetReplaceRoute: trying to replace non-ecmp route
Severity	Error
Description	This message is generated when trying to replace a route which is a non-ecmp supernetting route.
Synopsis	Deleting a non-ecmp route.
Action	Contact customer service for further troubleshooting.

Message	rcIpTask: Can't create _ _ message queue
Severity	Fatal
Description	This message is generated when rcipTask is unable to create a new message queue. No memory space left.
Synopsis	Lack of memory, unable to create message.
Action	Increase the DRAM size, contact Customer Support for further troubleshooting.

Message	rcIpTask: Can't take semaphore
Severity	Fatal
Description	This message is generated if when the semaphore was not given.
Synopsis	Semaphore unavailable.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpUdpConfBcastIntfClearStats: UdpConfBcastIntf not initialized
Severity	Error
Description	This message is generated when Udp port forward Table is not initialized.
Synopsis	Pointer/reference to Udp port forward Table is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpUdpPortFwdClearStats: UdpPortFwdTbl not initialized
Severity	Error
Description	This message is generated when UdpPortFwdTbl is not initialized.
Synopsis	Pointer/reference to UdpPortFwdTbl Table is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpUdpPortFwdListTblEntryRemove: could not found entry for FwdListId
Severity	Error
Description	This message is generated when search of an entry from the table UdpPortFwdListTable fails.
Synopsis	Search failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpUdpPortFwdPoliyDoArp: ipCircFromIFID failed!
Severity	Error
Description	This message is generated when trying to retrieve the IP circuit by passing invalid interface index. This log is generated when the system cannot locate a circuit.
Synopsis	Unable to find the circuit for the given index.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpUdpPortFwdTblEntryRemove: invalid idlist pointer
Severity	Warning
Description	This message is generated when an invalid id list pointer is received from table rcIpUdpPortFwdListIdList.
Synopsis	Invalid pointer found.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpUdpProtocolTblEntryRemove: could not delete entry for UdpPort
Severity	Error
Description	This message is generated when deletion of an entry from table UdpProtocolTbl fails.
Synopsis	Deletion failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpUdpProtocolTblGet: invalid get option
Severity	Error
Description	This message is generated when wrong option has been encountered.
Synopsis	Wrong option
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVlanSetIpAddress: chAssignMacAddrVlan failed for IfIndex __! MacOffset __
Severity	Fatal
Description	This message is generated if the system is not able to allocate a MAC address for the VLAN. This is a fatal error.
Synopsis	Unable to assign MAC address.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVlanSetIpAddress: chGetMacAddrVlan failed for IfIndex%d! \nNo mac address available
Severity	Warning
Description	This message is generated if the available pool of MAC addresses are exhausted.
Synopsis	Unable to assign MAC address for VLAN.
Action	If error persists contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVlanSetIpAddress: ipCircAddIPA failed for __ on IfIndex __
Severity	Fatal
Description	This message is generated an invalid IP record is encountered and thus the circuit is not set.
Synopsis	Invalid IP record.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVlanSetIpAddress: ipCircCreate failed for ____ IfIndex __
Severity	Error
Description	This message is generated if an IP interface could not be created with the given index.
Synopsis	Unable to create an IP interface.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVlanUp rarAddArp failed with Status = __ for IfIndex
Severity	Error
Description	This message is generated if the ARP table is full and no further record can be accommodated.
Synopsis	Unable to add the ARP entry to the table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVlanUp rarAddMacAddress failed with Status = __ for IfIndex __
Severity	Error
Description	This message is generated when the IP VLAN is updated and is unable to add a MAC address due to unavailability of memory.
Synopsis	Unable to make the MAC address routable.
Action	If error persists contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVlanUp: cppAttach failed for IfIndex __ cid __
Severity	Fatal
Description	This message is generated when updating a VLAN info. This is caused due to the failure of the attaching of the IP record to vxworks task due to either memory not present or due to max number of devices utilized.
Severity	Unable to attach the IP record to the vxworks.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVlanUp: ifAddrSet failed for IfIndex __ cid __
Severity	Fatal
Description	This message is generated if unable to set the interface address.
Severity	Unable to set the Interface address.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVlanUp: ifMaskSet failed for IfIndex __ cid __
Severity	Fatal
Description	This message is generated when not able to set the mask for the IP address record.
Synopsis	Unable to set the mask for the IP record.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpBecomeBackup: Unable to find the IP Rec for Vrid __ on IfIndex __
Severity	Error
Description	This message is generated when pointer to a record returns NULL because of its non-existence.
Synopsis	Memory might be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpBecomeBackUpMaster: Unable to find the IP Rec for Vrid __ on IfIndex __
Severity	Error
Description	This message is generated when pointer to a record returns NULL because of its non-existence.
Synopsis	Memory might be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpBecomeMaster rarAddVrrpMacAddress failed with Status __ for IfIndex __
Severity	Fatal
Description	This message is generated when pointer to a record returns NULL because of its non-existence.
Synopsis	Memory might be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpBecomeMaster: Unable to find the IP Rec for Vrid __ on IfIndex __
Severity	Error
Description	This message is generated when pointer to a record returns NULL because of its non-existence.
Synopsis	Memory might be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpIn: Misconfigured Advertisment interval __ for Vrid __ on IfIndex __
Severity	Error
Description	This message is generated when advertisement interval is configured differently on VRRP routers with the same VRID.
Synopsis	Inconsistent advertisement interval
Action	Ensure that all the routers with the same VRID have the same advertisement interval.

Message	rcIpVrrpProcessAdvt: Unknown state __ for Vrid __ on IfIndex
Severity	Error
Description	This message is generated when unknown state has been encountered for VRRP state.
Synopsis	Wrong state option
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpSendAdvertisement: Unable to allocate an output buffer for Vrid __ on IfIndex __
Severity	Error
Description	This message is generated when pointer to the statically allocated VRRP hello buffer is NULL.
Synopsis	Memory might be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpSendAdvertisement: Unable to find the IP Rec for Vrid __ on IfIndex __
Severity	Error
Description	This message is generated when pointer to a record returns NULL because of its non-existence.
Synopsis	Memory might be corrupted.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpShutdown: Unknown state __ for Vrid __ on IfIndex __
Severity	Error
Description	This message is generated when unknown VRRP state has been encountered.
Synopsis	Unknown VRRP state.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpTic: Unknown state __ for Vrid __ on IfIndex
Severity	Error
Description	This message is generated when unknown state has been encountered for VRRP state.
Synopsis	Wrong state option
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcMcastLoadIfRec: unable to find an IpIfRec for IfIndex _
Severity	Error
Description	This message is generated if the interface for the multicast is not found. The reason being IP record is not found.
Synopsis	IP record not found for the given index.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpFilterBaseListTblSetBody: failed to sync event
Severity	Error
Description	This message is generated on the master when the notification of base filter list to the hot-standby is not successful during event based synchronization.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpFilterGlobalListTblSetBody: failed to sync event
Severity	Error
Description	This message is generated on the master when the notification of global filter list to the hot-standby is not successful during event based synchronization.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpFilterMediaDevTblSetBody: failed to sync event
Severity	Error
Description	This message is generated on the master when the notification of filter media device event to the hot-standby is not successful during event based synchronization.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpFilterMediaStreamTblSetBody: failed to sync evenT
Severity	Error
Description	This message is generated on the master when the notification of filter media stream event to the hot-standby is not successful during event based synchronization.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpFilterPortTblSetBody: failed to sync event
Severity	Error
Description	This message is generated on the master when the notification of filter port event to the hot-standby is not successful during event based synchronization.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rc2kQosTrafficProfileTblSetBody: failed to sync event
Severity	Error
Description	This message is generated on the master when the notification of QoS related event to the hot-standby is not successful during event based synchronization.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpFilterTblSetBody: failed to sync event
Severity	Error
Description	This message is generated on the master when the notification of filter event to the hot-standby is not successful during event based synchronization.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpOspfInFilterTblSet : OSPF Accept event sync failed
Severity	Error
Description	This message is generated on the master when the RPS entity is unable to notify ospf accept policy event during an event based synchronization in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpPolicyPrefixListTblSet: prefix-list event sync failed
Severity	Error
Description	This message is generated on the master when the RPS entity is unable to notify the prefix-list related event during an event based synchronization in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpRedistributeTblSet :Redistribute event sync failed
Severity	Error
Description	This message is generated on the master when the RPS entity is unable to notify redistribution event during an event based synchronization in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpRoutePolicyTblSet : route-policy event sync failed
Severity	Error
Description	This message is generated on the master when the RPS entity is unable to notify route policy related event during an event based synchronization in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcRipUpdateTimerTask: errno=%08x
Severity	Warning
Description	RcRipUpdateTimerTask runs in a infinite while loop and if it encounters any error in between it displays the error number. The error number is a task variable and it displays the error number so that errors can be identified.
Synopsis	N/A
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcSendTestFrame: can't get a framebuffer
Severity	Error
Description	Cannot allocate memory for storing frame buffer.
Synopsis	Frame buffer full
Action	Disable remote mirroring and re-enable when the CPU utilization is less.

Message	rcVrrpUpdateTimerTask: Can't alloc VRRP fbuf!!
Severity	Error
Description	This message is generated when allocation for VRRP frame buffer fails.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory.

Message	rcIpVrrpBecomePseudoBackkup: Unable to find the IP record for IfIndex <index>
Severity	Error
Description	Fail to get the IP record with which VRRP record associate.
Synopsis	Hot-standby CPU will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpBecomePseudoBackUpMaster: Unable to find the IP record for IfIndex <index>
Severity	Error
Description	Fail to get the IP record with which VRRP record associate.
Synopsis	Hot-standby CPU will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpBecomePseudoMaster: Unable to find the IP record for IfIndex <index>
Severity	Error
Description	Fail to get the IP record with which VRRP record associate.
Synopsis	Hot-standby CPU will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpBecomePseudoBackUpMaster: msg with unknown state
Severity	Error
Description	Unknown state in msg for BackupMaster
Synopsis	Hot-standby CPU will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcIpVrrpMasterIpEventSync: IfIndex <index>, VrId <vrid> failed on syncing vrrp Master-IP-change event
Severity	Error
Description	Framework fails to sync the master IP change event.
Synopsis	Hot-standby CPU will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcRipUpdateTimerTask: errno=%08x
Severity	Warning
Description	RcRipUpdateTimerTask runs in a infinite while loop and if it encounters any error in between it displays the error number. The error number is a task variable and it displays the error number so that errors can be identified.
Synopsis	N/A
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rcSendTestFrame: can't get a framebuffer
Severity	Error
Description	Cannot allocate memory for storing framebuffer
Synopsis	Frame buffer full
Action	Disable remote mirroringand re-enable when the CPU utilization is less.

Message	rcVrrpUpdateTimerTask: Can't alloc VRRP fbuf!!
Severity	Error
Description	This message is generated when allocation for VRRP frame buffer fails.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory.

Message	Reached max size in the UdpPort Fwd Table
Severity	Warning
Description	This message is generated when size of the UdpPortFwdTbl reaches its maximum size.
Synopsis	UdpPortFwdTbl is full.
Action	No action necessary.

Message	Reached max size in the UdpConfBcastIntf Table
Severity	Warning
Description	This message is generated when size of the UdpConfBcastIntf reaches its maximum size.
Synopsis	UdpConfBcastIntf is full.
Action	Remove unwanted or stale entries. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Reached max size in the UdpPortFwdList Table
Severity	Warning
Description	This message is generated when size of the UdpPortFwdList reaches its maximum size.
Synopsis	UdpPortFwdList is full.
Action	Remove unwanted or stale entries. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Reached max size in the UdpProtocol Table
Severity	Warning
Description	This message is generated when size of the UdpProtocolTbl reaches its maximum size.
Synopsis	UdpProtocolTbl is full.
Action	Remove unwanted or stale entries. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Reached max size in the UdpPort Fwd Table
Severity	Warning
Description	This message is generated when size of the UdpPortFwdTbl reaches its maximum size.
Synopsis	UdpPortFwdTbl is full.
Action	No action necessary.

Message	Reached max size in the UdpConfBcastIntf Table
Severity	Warning
Description	This message is generated when size of the UdpConfBcastIntf reaches its maximum size.
Synopsis	UdpConfBcastIntf is full.
Action	Remove unwanted or stale entries. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Reached max size in the UdpPortFwdList Table
Severity	Warning
Description	This message is generated when size of the UdpPortFwdList reaches its maximum size.
Synopsis	UdpPortFwdList is full.
Action	Remove unwanted or stale entries. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Reached max size in the UdpProtocol Table
Severity	Warning
Description	This message is generated when size of the UdpProtocolTbl reaches its maximum size.
Synopsis	UdpProtocolTbl is full.
Action	Remove unwanted or stale entries. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Releasing allocated MLTs
Severity	Info
Description	This message is generated to specify that allocated MLTs are being released.
Synopsis	N/A
Action	N/A

Message	Releasing allocated MLTs
Severity	Info
Description	This message is generated to specify that allocated MLTs are being released.
Synopsis	N/A
Action	N/A

Message	remoteMirroringTimer: can't send frame
Severity	Error
Description	Switch could not send the broadcast frame with RMT destination MAC as source MAC
Synopsis	N/A
Action	If the message is repeated, disable and re-enable remote mirroring

Message	Remote mirroring packet list not initialized
Severity	Error
Description	Switch fails to initialize the remote mirroring packet linked list
Synopsis	N/A
Action	Re-boot the switch

Message	Remote mirroring port list not initialized
Severity	Error
Description	Switch fails to initialize the remote mirroring packet linked list
Synopsis	N/A
Action	Re-boot the switch

Message	Remote Mirroring Source disabled on port <port-number>
Severity	Info
Description	Remote mirroring source disabled on the specifed port
Synopsis	N/A
Action	N/A

Message	Remote Mirroring Source enabled on port <port-number>
Severity	Info
Description	Remote mirroring source enabled on the specifed port.
Synopsis	N/A
Action	N/A

Message	Remote Mirroring Termination disabled on port <port-number>
Severity	Info
Description	Remote mirroring termination disabled on the specified port.
Synopsis	N/A
Action	N/A

Message	Remote Mirroring Termination enabled on port <port-number>
Severity	Info
Description	Remote mirroring termination enabled on the specified port.
Synopsis	N/A
Action	N/A

Message	remoteMirroringTimer: can't send frame
Severity	Error
Description	Switch could not send the broadcast frame with RMT destination MAC as source MAC.
Synopsis	N/A
Action	If the message is repeated, disable and re-enable remote mirroring.

Message	Remote mirroring packet list not initialized
Severity	Error
Description	Switch fails to initialize the remote mirroring packet linked list.
Synopsis	N/A
Action	Re-boot the switch.

Message	Remote mirroring port list not initialized
Severity	Error
Description	Switch fails to initialize the remote mirroring packet linked list.
Synopsis	N/A
Action	Re-boot the switch.

Message	Remote Mirroring Source disabled on port <port-number>
Severity	Info
Description	Remote mirroring source disabled on the specified port.
Synopsis	N/A
Action	N/A

Message	Remote Mirroring Source enabled on port <port-number>
Severity	Info
Description	Remote mirroring source enabled on the specified port.
Synopsis	N/A
Action	N/A

Message	Remote Mirroring Termination disabled on port <port-number>
Severity	Info
Description	Remote mirroring termination disabled on the specified port.
Synopsis	N/A
Action	N/A

Message	Remote Mirroring Termination enabled on port <port-number>
Severity	Info
Description	Remote mirroring termination enabled on the specified port.
Synopsis	N/A
Action	N/A

Message	Remove ALL the WSM blades. Correct problem
Severity	Info
Description	Possible solution for message "Can not config WSM blade due to condition specified."
Synopsis	N/A
Action	N/A

Message	Reset due to heartbeat failure
Severity	Info
Description	This message is generated when a Web Switching Module is rested.
Synopsis	N/A
Action	N/A

Message	Resetting config flag
Severity	Info
Description	This message is generated when resetting of config flag is being done.
Synopsis	N/A
Action	N/A

Message	RipAddRoute: Couldn't allocate timer param object
Severity	Error
Description	This message is generated whenever memory allocation for the timer param object fails.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	RipAddRoute: entire Garbage Rt path should be removed
Severity	Error
Description	This message is generated when not all entries in the garbage list could be deleted.
Synopsis	Internal deletion of garbage list entries failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	RipAddRoute: unable to allocate timer for RIP route
Severity	Error
Description	This message is generated whenever system is not able to allocate timer for the RIP route.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	ripCircuitSyncNotify: malloc() failed
Severity	Error
Description	This message is generated on the master CPU during the notification of RIP circuit parameters to the hot-standby due to unavailability of memory in a HA enabled chassis.
Synopsis	Unable to allocate memory for the RIP entity
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripCircuitSyncNotify: failed to sync RIP Circ.
Severity	Error
Description	This message is generated on the master CPU when the notification of the RIP circuit parameters to the hot-standby is not successfulin a HA enabled Chassis.
Synopsis	Hot-standby data will be out of sync with master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	RipDelRoute is deleting non-garbage route
Severity	Error
Description	This message is generated whenever system can not locate exact match in garbage collection list.
Synopsis	Search failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rip_free_redist_route_notify_list: rip_redist_route_notify_list is not empty
Severity	Error
Description	This message is generated on the Master when the RIP entity trying to free the list which is not notified to the hot-standby in a HA enabled chassis
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ripGarbageListSyncNotify : failed to sync RIP garbage rt
Severity	Error
Description	This message is generated on the master CPU when the notification of the RIP garbage list to the hot-standby is not successful in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripGarbageListSyncCallback: malloc() failed
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity is unable to allocate memory.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripGarbageListSyncCallback: malloc() failed for newPath
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity is unable to allocate memory for new route path.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripGarbageListSyncCallback: malloc() failed for pForw_Ent
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity is unable to allocate memory for new route path.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripGarbageListSyncCallback: malloc() failed for rip_timer
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity is unable to allocate memory for RIP related timer.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripGarbageListSyncCallback: malloc() failed for p2timer
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity is unable to allocate memory for RIP related timer.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rip2GarbageList Couldn't allocate timer param object
Severity	Error
Description	This message is generated whenever memory allocation is failed to allocate param object.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	rip2GarbageList detects a path that should have been removed when the new path is added into useful RIP route
Severity	Error
Description	This message is generated whenever it is detected that a path still exists which should have been removed before adding a new path to garbage list.
Synopsis	Deletion of previous route wasn't proper.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rip2GarbageList has too many paths
Severity	Error
Description	This message is generated whenever an attempt is made to add an new path to garbage collection list and the garbage list already has the maximum permissible entries.
Synopsis	Cannot add a new path.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rip2GarbageList unable to allocate a rcForwEnt for the new path
Severity	Error
Description	This message is generated whenever memory allocation is failed to add a new path in garbage collection list.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	ripGlobalsSyncNotify: failed to sync RIP Globals
Severity	Error
Description	This message is generated on the master CPU when the notification of the RIP global data structs to the hot-standby is not successful in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ripGlobalsSyncNotify: malloc() failed
Severity	Error
Description	This message is generated on the master CPU during the notification of RIP global data structs to the hot-standby due to unavailability of memory in a HA enabled chassis.
Synopsis	Unable to allocate memory for the RIP entity.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripRedistSyncNotify: bad value of cnt
Severity	Error
Description	This message is generated on the master when the RIP entity finds a mismatch in the number of entries notified to hot-standby with the actual number of entries existing.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis

Message	ripRedistSyncNotify: size mismatch exp_size msg_len
Severity	Error
Description	This message is generated on the master when the RIP entity finds a mismatch in the size of the route list notified to the hot-standby in a HA enabled chassis
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripRedistSyncCallBack size mismatch. rip_redist_ent
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity finds a mismatch in the size of the route list received from the master with the expected size.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripRouteSyncNotify: malloc() failed
Severity	Error
Description	This message is generated on the master CPU during the notification of learned RIP routes to the hot-standby due to unavailability of memory in a HA enabled chassis.
Synopsis	Unable to allocate memory for the RIP entity.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripRouteSyncNotify: failed to sync RIP routes
Severity	Error
Description	This message is generated on the master CPU when the notification of the learned RIP routes to the hot-standby is not successful in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	riprx: failed to event sync RIP Update
Severity	Error
Description	This message is generated on the master CPU when the RIP entity failed to notify the hot-standby about the RIP update in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripSyncCallback: corrupt message
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity recieves a corrupt HA framework message during table synchronization of RIP parameters.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripSyncNotify: ripCircuitSyncNotify() failed
Severity	Error
Description	This message is generated on the master CPU when the notification of the RIP circuit parameters to the hot-standby is not successful in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripSyncNotify: ripGarbageListSyncNotify() failed
Severity	Error
Description	This message is generated on the master CPU when the notification of the RIP garbage list to the hot-standby is not successful in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripSyncNotify: ripRouteSyncNotify() failed
Severity	Error
Description	This message is generated on the master CPU when the notification of the learned RIP routes to the hot-standby is not successful in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	RipProcEntry: RIP circuit not found
Severity	Error
Description	This message is generated when the specified RIP circuit ID is not found.
Synopsis	RIP circuit ID is not correct.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	RipProcIpa: failed at RipReplaceRoute with 1
Severity	Error
Description	This message is generated whenever an attempt is made to change the existing route with a new lower cost route and it fails.
Synopsis	Change of route failed.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	RipPurgeRouteByCirc: unable to allocate a blk mem for route deletion
Severity	Error
Description	This message is generated whenever memory allocation for route detection block fails.
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	ripSyncCallback: corrupt message
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity recieve a corrupt HA framework message during table synchronization of RIP parameters.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	RipSpecReq: unable to allocate a mem for new route
Severity	Error
Description	This message is generated whenever memory allocation fails for new route
Synopsis	Dynamic memory allocation failed.
Action	Close all CLI sessions to free the memory. Contact customer service if problem persists.

Message	ripSyncCallback: unknown msg type
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity receive a unidentified HA framework message during table or event based synchronization of RIP parameters.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripSyncCallback: unknown msg type %d in GLOBAL_ENABLE_EVENT
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity receives a unidentified HA framework message during event based synchronization of RIP parameters.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripSyncCallback: unknown msg type %d in RIP_INTERFACE_RXTX_EVENT
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity receives a unidentified HA framework message during event based synchronization of RIP parameters.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripTimeout: Could not find the path IP addr that is timing out
Severity	Error
Description	This message is generated whenever an attempt to timeout a RIP entry fails.
Synopsis	The RIP entry to be timed out is not found in the table.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripTimeout: failed to event sync RIP Purge Route
Severity	Error
Description	This message is generated on the master when the RIP entity failed to notify the hot-standby about the RIP timeout event in a HA enabled chassis
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	ripUpdateTimeSyncEvent:event sync failed for global rip update time
Severity	Error
Description	This message is generated on the Master when the RIP entity is unable to notify the hot-standby about the RIP update time.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	redistribution sync malloc failed
Severity	Error
Description	This message is generated on the Master CPU when the RIP entity is unable to allocate memory to notify the hot-standby about the redistributed route entries in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rmapSyncNotify: failed to sync rmap Entries
Severity	Error
Description	This message is generated on the master CPU when the notification of the route policy entries to the hot-standby is not successful in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rmapSyncNotify : malloc failed
Severity	Error
Description	This message is generated on the master CPU during the notification of route policy parameters to the hot-standby due to unavailability of memory in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rpsGenPolicyGrpSetEvent: event sync failed
Severity	Error
Description	This message is generated on the master CPU when the RPS entity is unable to notify the event during an event based synchronization in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rpsRedundPolPrefixEntrySync: malloc() failed
Severity	Error
Description	This message is generated on the master CPU during the notification of prefix list entries to the hot-standby due to unavailability of memory in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rpsSetOspfRedistApplyEvent: event sync failed
Severity	Error
Description	This message is generated on the master CPU when the RPS entity is unable to notify the event during an event based synchronization in a HA enabled chassis.
Synopsis	N/A
Action	N/A

Message	rpsSyncCallback:corrupt msg
Severity	Error
Description	This message is generated on the hot-standby when the RPS entity receive a corrupt HA framework message during event or table based synchronization of route policy entries.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rpsSyncCallback: Invalid Event Id
Severity	Error
Description	This message is generated on the hot-standby when the RPS entity receive a notification message for an invalid event during event or table based synchronization.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rpsSyncCallback: Prefix-list not found
Severity	Error
Description	This message is generated on the hot-standby when the RPS entity is unable to locate the prefix-list notified by the master during table based synchronization.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rpsSyncNotify: Failed to sync the prefix list entries
Severity	Error
Description	This message is generated on the master CPU when the notification of the prefix list entries to the hot-standby is not successful in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	RSMLT Circ not found when delete IPX Netaddr
Severity	Error
Description	This message is generated when it was unable to find the RSMLT Circ in order to delete the same.
Synopsis	Software error
Action	Contact customer service.

Message	rtmChangeListSyncCallback: received entry can't be located dst
Severity	Error
Description	This message is generated on the hot-standby when the RTM entity is unable to locate the destination route entry during the table based synchronization in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmClientBookmarkSyncCallback: Change list entries are corrupted
Severity	Error
Description	This message is generated on the hot-standby when the RTM entity finds Change list entries are corrupted during the table based synchronization in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmClientBookmarkSyncCallback :Redistribution is enabled for the protocol in master but not notified to HA.
Severity	Error
Description	This message is generated on the hot-standby when the RTM entity finds redistribution is not enabled for the protocol during the table based synchronization.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmChangeListSyncCallback: unable to allocate a rcForwEnt
Severity	Error
Description	This message is generated on the hot-standby when the RTM entity is unable to allocate memory to store change list entry in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmClientBookmarkSyncNotify:tRED_RTM_CLIENT_BOOKMARK_ ENTRY expected size mismatch
Severity	Error
Description	This message is generated on the master CPU when the RTM entity finds a mismatch in the size of bookmark entry notified to the hot-standby in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmClientBookmarkSyncNotify:failed to sync bookmark entries
Severity	Error
Description	This message is generated on the master CPU when the notification of the bookmark entries to the hot-standby is not successful in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmClientBookmarkSyncNotify : malloc failed
Severity	Error
Description	This message is generated on the master CPU during the notification of bookmark entries to the hot-standby due to unavailability of memory in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmRouteDelEntrySyncCallback: Entries to be deleted and actually deleted
Severity	Error
Description	This message is generated in the hot-standby when there is a mismatch in the routes notified to be deleted and actually deleted.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmRouteDelEntrySyncCallback received entry can't be located dst
Severity	Error
Description	This message is generated in the hot-standby when the received route path could not be found during the event based synchronization of flushed route entries.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmSyncCallback: corrupt msg
Severity	Error
Description	This message is generated on the hot-standby when the RIP entity recieve a corrupt HA framework message during table synchronization of change list and bookmark entries.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmSyncCallback: Invalid Event Id
Severity	Error
Description	This message is generated on the hot-standby when the RTM entity receive a Invalid event during the event based synchronization of change list or bookmark entries.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmSync_flush_init: arp_depend_ip_flush_list is not empty
Severity	Error
Description	This message is generated on the Master CPU during the event based synchronization of flushed route entries to hot-standby in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmSync_flush_init: malloc failed
Severity	Error
Description	This message is generated on the Master CPU when it is unable to allocate memory to notify flushed route entries during the event based synchronization.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmSyncSendRouteDelEntry: malloc() failed
Severity	Error
Description	This message is generated on the Master when it is unable to allocate memory to notify flushed route entries during the event based synchronization.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmSyncNotify:Failed to sync the change List entries
Severity	Error
Description	This message is generated on the master CPU when the notification of change List entries to the hot-standby is not successful in a HA enabled chassis
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmSyncNotify: failed to sync change list entries
Severity	Error
Description	This message is generated on the master CPU when the notification of the change list entries to the hot-standby is not successful in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmSyncNotify: Failed to sync the client bookmark entries
Severity	Error
Description	This message is generated on the master CPU when the notification of client bookmark entries to the hot-standby is not successful in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	rtmSyncNotify: malloc() failed
Severity	Error
Description	This message is generated on the master CPU during the notification of change list entries to the hot-standby due to unavailability of memory in a HA enabled chassis.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	SendLSUPacket: invalid circuit
Severity	Fatal
Description	This message is generated when the system encounters an invalid configuration of the interface when a request to send LSU is made.
Synopsis	Interface not available, fatal error.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Slot%d - card not init yet
Severity	Error
Description	This message is generated when card hardware has not been fully initialized by the chassis yet.
Synopsis	Card not initialized.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Slot __ Vlan __ Rel_Port_Id __
Severity	Info
Description	This message is generated to specify slot, VLAN and release port information for previous log message.
Synopsis	N/A
Action	N/A

Message	Slot: __ Current State __
Severity	Info
Description	This message is generated to print slot and the current state for the previous iPreconfigTask: illegal cont_bootp_configî scenario.
Synopsis	N/A
Action	N/A

Message	Slot: __ Current State: __
Severity	Info
Description	This message is generated when a card is inserted from a slot in non-hidden mode.
Synopsis	Slot and state for the previous log message.
Action	N/A

Message	SMLT Id array overflow in RSMLT Circ on Vlan __
Severity	Error
Description	This message is generated when the SMLT array is full and it has no place to accommodate more IDs.
Synopsis	Software error.
Action	If problem persists, contact customer service.

Message	SmltType number is overflow, IfIndex=__, Vlan Id=__, type SMLT, Smlt Id=__
Severity	Error.
Description	This message is generated when the number of SMLT Ids added exceeds the maximum limit.
Synopsis	N/A
Action	If problem persists, contact customer support.

Message	syncDynArpAdd: corrupt msg @ <int>
Severity	Error
Description	ARP sync message received by HA-CPU is NULL.
Synopsis	Hot-standby dynamic ARP data will be out of sync with master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	syncStaticArpAdd: corrupt msg @ <int>
Severity	Error
Description	ARP sync message received by HA-CPU is NULL.
Synopsis	Hot-standby static ARP data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	STG __ HAS ALREADY BEEN USED
Severity	Info
Description	This message is generated when Maximum number of STGs supported has already been taken.
Synopsis	STGs are exhausted.
Action	Change the configuration to free STG.

Message	System Arp Table Full
Severity	Error
Description	This message is generated whenever an entry is to be added to ARP table and there is no empty slot in the table.
Synopsis	Cannot add new entry in ARP table.
Action	Delete unwanted ARP entries from the table.

Message	System Arp Table Full
Severity	Error
Description	ARP table on HA-CPU is full.
Synopsis	Hot-standby ARP data will be out of sync with master CPU.
Action	Check software versions between master and HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	The RSMLT circuit of Vlan __ exists already in slave CPU.
Severity	Info
Description	This message is generated when the RSMLT circuit is already present on the secondary CPU.
Synopsis	RSMLT config already synced.
Action	N/A

Message	The WSM in slot%d has missed 6 heartbeats
Severity	Info
Description	This message is generated when the chassis doesn't automatically reset the misbehaving Web Switching Module.
Synopsis	N/A
Action	N/A

Message	Then re-insert WSM blades afterward
Severity	Info
Description	Possible solution for message "Can not config WSM blade due to condition specified."
Synopsis	N/A
Action	N/A

Message	This interface doesn't have an IpRec
Severity	Warning
Description	This message is generated whenever an attempt to get the IP record of an interface fails.
Synopsis	Memory is corrupted or sending RIP PDUs on an invalid interface.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	Tree depth should not be zero
Severity	Info
Description	This message is generated if the depth of the RTX tree is not zero.
Synopsis	non-zero value for RTX tree depth.
Action	No action needed, this is correct scenario.

Message	udpBcastIntfTblSyncCallback: corrupt message
Severity	Error
Description	Data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	udpBcastIntfTblSyncNotify: Failed to sync udpConfBcastIntfTbl.
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpBcastIntfTblSyncNotify: malloc failed
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Check memory stats on master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpCliShowInterfaceInfo: UdpConfBcastIntf not initialized
Severity	Error
Description	This message is generated when UdpConfBcastIntf is not initialized.
Synopsis	Pointer/reference to UdpConfBcastIntf Table is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpCliShowPortFwdListInfo: UdpPortFwdListTbl not initialized
Severity	Error
Description	This message is generated when UdpPortFwdListTbl is not initialized.
Synopsis	Pointer/reference to UdpPortFwdListTbl Table is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpCliShowProtocolInfo: UdpProtocolTbl not initialized
Severity	Error
Description	This message is generated when UdpProtocolTbl is not initialized.
Synopsis	Pointer/reference to UdpProtocolTbl Table is NULL.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpEntryIdStackSyncNotify: malloc failed!
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Check memory stats on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpPortFwdListTblSyncCallback: malloc failed!
Severity	
Description	Memory allocation for UDP port forward list failed on HA-CPU.
Synopsis	Synopsis: Hot-standby UDP data will be out of sync with the master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpPortFwdListTblSyncNotify: malloc failed!
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Check memory stats on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpPortFwdTblSyncCallback : malloc failed!
Severity	Error
Description	Memory allocation for UDP forward list failed on HA-CPU.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Check memory stats on HA-CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpPortFwdTblSyncNotify : malloc failed.
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Check memory stats on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpProtocolSyncCallback: corrupt message.
Severity	Error
Description	data structure size mismatch between the master and secondary CPUs.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: runtime software versions on both CPUs.

Message	udpProtocolSyncNotify : Failed to sync udp protocol table
Severity	Error
Description	Framework sync message sent to HA-CPU failed.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Check memory stats on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	UdpPortFwdList table already in use
Severity	Error
Description	This message is generated when table UdpPortFwdList is in use by some other process.
Synopsis	N/A
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	UdpPortFwdTbl Entry doesn't exist id
Severity	Warning
Description	This message is generated when there is no exact match found for the entry that matches the UdpPortFwdTable NetId.
Synopsis	Match not found.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	UdpProtocol Entry doesn't exist for UdpPort
Severity	Error
Description	This message is generated when UDP protocol record for the given UDP Port number doesn't exist.
Synopsis	Entry not found.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpSyncCallback: corrupt message.
Severity	Error
Description	software version mismatch between the master CPU and HA-CPU.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Check software versions between master and HA-CPU. Contact customer service and have the following information available: software version on both CPUs.

Message	udpSyncCallback:Invalid Event Id.
Severity	Error
Description	Event id received on HA-CPU is not recognized.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Check software versions between master and HA-CPU. Contact customer service and have the following information available: software version on both CPUs.

Message	udpSyncNotify: Failed to sync the udp portfwd table entries.
Severity	Error
Description	Table syncing of UDP portfwd table to HA-CPU failed.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpSyncNotify: Failed to sync the udp portfwdlist table entries.
Severity	Error
Description	Table syncing of udp portfwdlist table to HA-CPU failed.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpSyncNotify: Failed to sync the udp protocol table entries.
Severity	Error
Description	Table syncing of UDP protocol table to HA-CPU failed.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	udpSyncNotify: Failed to sync the udp stack id entries.
Severity	Error
Description	Table syncing of udp stack id entries to HA-CPU failed.
Synopsis	Hot-standby UDP data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	unable to get the IpRec for Addr _ _ _ _
Severity	Error
Description	This message is generated if IP record does not exist for the corresponding IP address when trying to update the OSPF circuit status.
Synopsis	Invalid IP address obtained while updating OSPF circuit.
Action	Check the interface configuration and state. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	unable to get the IpRec for Addr _._._._
Severity	Error
Description	This message is generated if unable to get the IP interface from the IP address.
Synopsis	Unable to get the interface from the IP address.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	unknown IP RSMLT node for IfIndex __
Severity	Error
Description	This message is generated when an invalid option of the RSMLT node type is encountered.
Synopsis	Software error.
Action	Contact customer service.

Message	Unknown message type in IPF Global
Severity	Error
Description	This message is generated on the hot-standby when the filter entity receive a unidentified HA framework message during table or event based synchronization.
Synopsis	Hot-standby data will be out of sync with the master CPU.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	unrecognized record type _ from alsRead
Severity	Error
Description	This message is generated an unidentified record type is encountered while trying to load a routine for the RCIP MultiCast.
Synopsis	Record type invalid.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	unrecognized record type __ from alsRead
Severity	Error
Description	This message is generated if an unidentified record type is received from the alsRead.
Synopsis	Invalid record type from alsRead.
Action	Action not necessary.

Message	update summary sync malloc failed
Severity	Error
Description	Framework message memory allocation failed.
Synopsis	Hot-standby OSPF data will be out of sync with the master CPU.
Action	Check memory stats on the master CPU. Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	verify_ospf_packet: are a mismatch other_areaid = _ _ _ _ myareaID = _ _ _ _
Severity	Info
Description	This message is generated if there is a mismatch between the areas.
Synopsis	Areas mismatch.
Action	Incorrect topology. Use proper configuration.

Message	verify_ospf_packet: auth failure ipa
Severity	Error
Description	This message is generated if the IP address is not authenticated. This is caused when the key in the packet mismatches the key in the OSPF area.
Synopsis	IP address not authenticated.
Action	Enter a valid key for authentication.

Message	verify_ospf_packet: virt intf area=_._._._nbr=_._._._ auth failure pkt type=_
Severity	Info
Description	This message is generated if the virtual interface is not authenticated against the neighbor due to invalid key or invalid auth type.
Synopsis	Authentication failed.
Action	Ensure valid Authentication type and authentication key are provided.

Message	vlanSyncCallback: unsupported version _
Severity	Error
Description	This message is generated if an unsupported version of static route is encountered during sync call back.
Synopsis	Invalid version
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	VR IP address is changed to __ and not equal to Phy IP Address __ any more - decrease Priority from 255 to 254
Severity	Error
Description	This message is generated when users change the VRRP IP address from interface address to some other IP address.
Severity	VR IP address changed.
Action	Change the priority from 255 to 254.

Message	vrrpOperTblGet invalid get option
Severity	Error
Description	This message is generated when wrong option has been encountered.
Synopsis	Wrong option
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	vrrpRouterStatsTblGet invalid get option
Severity	Error
Description	This message is generated when wrong option has been encountered.
Synopsis	Wrong option
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	wsm entry found in wsm4TrunkConfig
Severity	Error
Description	This message is generated when mode is not hidden.
Synopsis	Mode invalid.
Action	Contact customer service and have the following information available: system logs including any memory dumps, switch configuration, and network topology for further analysis.

Message	You may need to reset the WSM in slot
Severity	Info
Description	This message is generated when the chassis doesn't automatically reset the misbehaving Web Switching Module.
Synopsis	N/A
Action	N/A

Message	renaming file /flash/wsmtrunk.bin -> /flash/wsmtrunk.bin.bak
Severity	Info
Description	This message is generated when upgrading the 8600 to Release 3.5 and wsmtrunk.bin is present on flash. On successful upgrade, wsmtrunk.bin contents are saved in a new file asmconfig.bin. The wsmtrunk.bin file is renamed as wsmtrunk.bin.bak. 3.5 release uses only asmconfig.bin file and not wsmtrunk.bin or wsmtrunk.bin.bak.
Synopsis	In Release 3.5, the WSM/SAM binary config file is known as asmconfig.bin.
Action	If you decide to downgrade the switch to an older release, you can manually rename wsmtrunk.bin.bak to wsmtrunk.bin.

Message	Password modified for SSL ADMIN
Severity	Info
Description	This message is generated when the password for SSLADMIN access level is changed.
Synopsis	N/A
Action	N/A

Message	The username and the password for SSL ADMIN are set to default values. It is highly recommended to change the password once the switch boots up.
Severity	Info
Description	This message is generated when the Passport 8600 is upgraded from an old release that does not support SSLADMIN access level. SSLADMIN password is set to default.
Synopsis	N/A
Action	Change SSLADMIN password.

Message	user <UserName> connected from <IP Addr> via telnet
Severity	Info
Description	This message is logged when you telnet to the switch.
Synopsis	N/A
Action	N/A

Message	user <UserName> connected from <IP Addr> via rlogin
Severity	Info
Description	This message is logged when you rlogin to the switch.
Synopsis	N/A
Action	N/A

Message	user connected via console port
Severity	Info
Description	This message is logged when you connect to the switch via the console port.
Synopsis	N/A
Action	N/A

Message	user connected via modem port
Severity	Info
Description	This message is logged when you connect to the switch via the modem port.
Synopsis	N/A
Action	N/A

Message	SAM initialization failed - Slot <slotNum>
Severity	Error
Description	This message is generated when the initialization of SAM card (upon its insertion to the chassis or on switch reboot) fails.
Synopsis	N/A
Action	Pull out the SAM card and re-insert it or use `sam samreset <slot-num>` to reset the card.

Message	SAM initialization completed - Slot <slot-num>
Severity	Info
Description	This message is generated when the initialization of SAM card (upon its insertion to the chassis or on switch reboot) completes successfully.
Synopsis	N/A
Action	N/A

Message	Received wrong response message
Severity	Error
Description	This message is generated when you try to download an image or a config file to WSM/SAM using the `copy` command. If WSM/ SAM responds with a wrong/unexpected response, the system generates this error.
Synopsis	N/A
Action	Pull out the WSM/SAM card and re-insert it. Or use `sam samreset <slot-num>` or `wsm wsmreset <slot-num>` to reset the card. Then try to download the file to WSM/SAM again.

Message	Closed telnet connection from <ip-address> user <user-name>
Severity	Info
Description	This message is generated when a telnet connection to the switch terminates.
Synopsis	N/A
Action	N/A

Message	Closed rlogin connection from <ip-address> user <user-name>
Severity	Info
Description	This message is generated when an rlogin connection to the switch terminates.
Synopsis	N/A
Action	N/A

Message	user <user-name> logged out from console port
Severity	Info
Description	This message is generated when you log out from a console connection.
Synopsis	N/A
Action	N/A

Message	user <user-name> logged out from modem port
Severity	Info
Description	This message is generated when you log out from a modem connection.
Synopsis	N/A
Action	N/A

Message	SAM Port will not be added to any policy based VLAN
Severity	Warning
Description	This message is generated when trying to add SAM port to a policy-based VLAN.
Synopsis	SAM port can be added to only port-based VLANs.
Action	N/A

Message	failed to set default vlan id for SSL port
Severity	Error
Description	This message is generated when the default VLAN ID cannot be set correctly for the SAM port either during the initialisation of the card or when the port is added to a new VLAN.
Synopsis	N/A
Action	Reset the card by pulling out and re-inserting it or using sam samreset <slot-num> command.

Message	SSL Port removed from VLAN <vlan id>
Severity	Info
Description	This message is generated when SAM port is added to a new VLAN. The port is automatically removed from its old VLAN.
Synopsis	SAM port can be a member of only one VLAN.
Action	N/A

Message	Slot <slot-num> SSL Interrupt: Card going for a reboot
Severity	Info
Description	This message is generated when the SSL card is reset.
Synopsis	N/A
Action	N/A

Message	Slot <slot-num> SSL Interrupt: Card rebooted
Severity	Info
Description	This message is generated when the SSL card completes reset.
Synopsis	N/A
Action	N/A

Message	The SAM in slot <slot-num> has missed 6 heartbeats and communication may have been lost. You may need to reset the SAM in slot <slot-num>/.
Severity	Warning
Description	This message is generated when 8600 misses 6 consecutive heart-beat messages from SAM.
Synopsis	N/A
Action	N/A

Message	failed to get SSL traffic stats - slot <slot-num>
Severity	Warning
Description	This message is generated when the Passport 8600 misses 6 consecutive heart-beat messages from SAM and it is unable to get the statistics of the SAM port.
Synopsis	N/A
Action	N/A

Message	PCAP buffer is getting wrapped. Old packets will be lost.
Severity	Info
Description	This message is generated when the buffer-wrap occurs when PCAP packets are saved.
Synopsis	N/A
Action	If autoSave is not enabled, packets will be lost. Save the packet after disabling PCAP or enable autoSave.

Message	pcapPktSave: Can't create auto-save task
Severity	Fatal
Description	This message is generated when the switch is not able to create a new task for autosave.
Synopsis	Spawning of task fails.
Action	Contact customer service for further troubleshooting.

Message	PCAP buffer is full. Packet capturing stopped as buffer-wrap is disabled.
Severity	Info
Description	This message is generated when the buffer is full and buffer-wrap is disabled. This will stop packet capturing also.
Synopsis	N/A
Action	To start capturing packets, enable Buffer-wrap or reset the stats.

Message	pcapInit: Can't create PCAP task
Severity	Fatal
Description	This message is generated when the switch is not able to create a new task for PCAP.
Synopsis	Spawning of task fails.
Action	Contact customer service for further troubleshooting.

Message	pcapInit:pcap timer, wdCreate failed
Severity	Fatal
Description	This message is generated when the switch is not able to create a watch dog timer for PCAP.
Synopsis	Spawning of watch dog timer failed.
Action	Contact customer service for further troubleshooting.

Message	pcapInit: Error in initializing the time
Severity	Error
Description	This message is generated when PCAP was not able to initialize the reference time.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	pcapAllocateBuffer: malloc(<buffer-size> Mbs) failed
Severity	Error
Description	This is message is generated when PCAP memory allocation fails.
Synopsis	Not enough space free for PCAP.
Action	Try with a lower value of buffer-size.

Message	Save config to file <file-name> successful.
Severity	Info
Description	This message is generated when the PCAP configuration is saved successfully in slave CPU.
Synopsis	N/A
Action	N/A

Message	Save config to file <file-name> failed.
Severity	Info
Description	This message is generated when switch was not able to save PCAP configuration.
Synopsis	N/A
Action	N/A

Message	file already present in PCMCIA
Severity	Info
Description	This message is generated when PCAP tries to save captured packets to the PCMCIA (autosave) file, which is already present and PCMCIAWRAP is false.
Synopsis	N/A
Action	Set Pcmcia Wrap to TRUE or remove the file from PCMCIA.

Message	PCAP File in PCMCIA is being over-writtenInfo
Severity	Info
Description	This message is generated when PCAP autosave file in the PCMCIA is being overwritten,
Synopsis	N/A
Action	Copy file from PCMCIA.

Message	autoSavePcapData: Memory not available to save all packets. Saving only <number-of-packets-saved> of <total-number-of-packets> packets
Severity	Info
Description	This message is generated when PCAP tries to perform an autosave and finds that there is insufficient memory in PCMCIA to store all packets.
Synopsis	N/A
Action	Free some memory in PCMCIA

Message	error in reading data from PCMCIA
Severity	Info
Description	This message is generated when PCAP tries to do autosave to PCMCIA and it cannot read PCMCIA,
Synopsis	N/A
Action	Insert a PCMCIA card in the switch or set the autosave path to network.

Message	cannot allocate PCAP filterlist index object
Severity	Fatal
Description	This message is generated when the PCAP filter table init fails.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	Error in rcPcapFilterTblEntryAdd
Severity	Error
Description	This message is generated when memory allocation fails while you are trying to add a new entry in PCAP filter table.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	Copy PCAP data requested from Primary CPU failed!!
Severity	Error
Description	This message is generated in PCAP engine when the copy command request from master failed.
Synopsis	The IP address may be unreachable or there may be a device error.
Action	Refer to logs of copy command.

Message	Copy PCAP data requested from Primary CPU Completed!!
Severity	Info
Description	This message is generated in the PCAP engine when the copy command request from master is successful.
Synopsis	N/A
Action	N/A

Message	Revision number for I/O card in slot%d is older than the one supported for this feature (revision number = <value>) SMLT for Single CP feature not enabled for this slot
Severity	Warning
Description	This message is generated when the smlt-on-single-cp feature is enabled, when you insert a new I/O card, or when I/O state is enabled if the CPLD version of the I/O is older than the one supported for the smlt-on-single-cp feature.
Synopsis	Old hardware version
Action	Contact customer service to update the hardware.

Message	cXcListen: can't bind socket
Severity	Error
Description	This message is generated when cXc channel cannot bind socket to listen the request from Master.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	Select failed
Severity	Warning
Description	This message is generated when select function call fails.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	cXcListen: can't accept socket
Severity	Error
Description	This message is generated when the cXc channel was unable to accept the connection.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	cXcListen: Unknown message type
Severity	Error
Description	This message is generated when cXc channel receives a message of unknown type.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	cXcInitStandby: Can't create receive task!
Severity	Fatal
Description	This message is generated when cXc channel could not be created.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	Card was taken offline by SMLT on Single CP timer when the switch was booted last time Slot=<slot-num>
Severity	Info
Description	This message is generated when the I/O card was taken offline by smlt-on-single-cp feature when the switch was booted last time.
Synopsis	N/A
Action	N/A

Message	Card taken off-line by Smart-cpld watch-dog timer: Slot=<slot-num> Type = <card-type>
Severity	Error
Description	This message is generated when the I/O card was taken offline by the smlt-on-single-cp feature when the switch is up and running.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	cXcInit: Can't create mutex semaphore!
Severity	Fatal
Description	This message is generated when the switch fails to create a semaphore for cXc channel.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	cXcSendFrame: Can't take semaphore!
Severity	Error
Description	This message is generated when the switch fails to get the semaphore to send a request on cXc channel
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	cXcSendFrame: can't write to peer <ip address>
Severity	Error
Description	This message is generated when cXc channel fails to send the data to the slave.
Synopsis	N/A
Action	Contact customer service for further troubleshooting.

Message	avpair_get Unknown attribute x
Severity	Error
Description	A RADIUS attribute unknown to the switch is being looked-up.
Synopsis	Unknown attribute in received RADIUS packet or sent packet
Action	Verify that the sent and received RADIUS packets contain known attributes.

Message	Cannot create message queue for radius snmp accounting Radius Snmp accounting not enabled
Severity	Error
Description	Unable to acquire software resource for handling accounting messages.
Synopsis	Software resource error
Action	Contact customer service.

Message	Error Could not enable radius SNMP accounting Task radSnmpAcct not spawned
Severity	Error
Description	Unable to create a task to handle RADIUS accounting requests.
Synopsis	Software resource error
Action	Contact customer service.

Message	Error in deleting task radSnmpAcct
Severity	Error
Description	Unable to delete the task created to handle RADIUS accounting requests.
Synopsis	Software resource error
Action	Contact customer service.

Message	gen_valpair FATAL out of memory
Severity	Error
Description	System is out of memory
Synopsis	Insufficient memory
Action	If problem persists contact customer service.

Message	gen_valpairs<string> Unknown Type
Severity	Error
Description	RADIUS attribute unknown to the switch is being looked-up.
Synopsis	Unknown attribute in received RADIUS packet or sent packet.
Action	Verify the sent and received RADIUS packets contain known attributes.

Message	Head pointer passed as NULL for adding an entry to SNMP Sessions LinkedList
Severity	Error
Description	Software error
Synopsis	Software error
Action	Contact customer service.

Message	Head pointer passed as NULL for removing an entry from SNMP Sessions LinkedList
Severity	Error
Description	Software error
Synopsis	Software error
Action	Contact customer service.

Message	Maximum number of SNMP sessions are already running Access Denied
Severity	Error
Description	Number of SNMP connections has reached the maximum allowed.
Synopsis	No new SNMP connection can be spawned when maximum number of sessions are already running.
Action	Terminate unwanted SNMP connections.

Message	Message not sent for deleting msgQ for snmp accounting
Severity	Error
Description	Unable to free software resource.
Synopsis	Software error
Action	Contact customer service.

Message	Message not sent for sending interim accounting message for snmp accounting
Severity	Error
Description	RADIUS accounting interim messages are not sent due to software error.
Synopsis	Due to unstable conditions in the software, the RADIUS message is not sent.
Action	If problem persists contact customer service.

Message	Message not sent for sending on accounting message for snmp accounting
Severity	Error
Description	RADIUS accounting ON message not sent due to software error
Synopsis	Due to unstable conditions in the software, the RADIUS message is not sent.
Action	If problem persists contact customer service.

Message	Message not sent for sending stop accounting message for snmp accounting
Severity	Error
Description	RADIUS accounting STOP message was not t sent due to software error
Synopsis	Due to unstable conditions in the software, the RADIUS message is not sent.
Action	If problem persists contact customer service.

Message	Port -- aborting
Severity	Info
Description	This message is generated when an 8021x controlled port enters the aborting state of Authenticator PAE State Machine
Synopsis	Port entered the aborting state of Authenticator PAE State Machine.
Action	No action necessary

Message	Port -- forced authorized
Severity	Info
Description	This message is generated when an 8021x controlled port enters the forced authorized state of Authenticator PAE State Machine.
Synopsis	Port entered the force authorized state of Authenticator PAE State Machine.
Action	No action necessary

Message	Port -- forced unauthorized
Severity	Info
Description	This message is generated when an 8021x controlled port enters the force unauthorized state of Authenticator PAE State Machine.
Synopsis	Port entered the force unauthorized state of Authenticator PAE State Machine.
Action	No action necessary

Message	Port -- held
Severity	Info
Description	This message is generated when an 8021x controlled port enters the held state of Authenticator PAE State Machine.
Synopsis	Port entered the held state of Authenticator PAE State Machine.
Action	No action necessary

Message	rad_authRequest cannot queue a radius request
Severity	Info
Description	Unable to send a IGAP RADIUS request.
Synopsis	Number of concurrent IGAP RADIUS requests that the device can handle has reached the limit. Additional requests cannot be sent.
Action	If problem persists, contact customer service.

Message	rad_authRequest no radius server configured
Severity	Info
Description	No IGAP RADIUS server is configured.
Synopsis	IGAP software cannot use RADIUS to authenticate the requests when there are no IGAP RADIUS servers configured.
Action	Configure a RADIUS server used-by `igap`.

Message	rad_callBackResponse unknown request id
Severity	Error
Description	Internal error exists in the software.
Synopsis	Software error
Action	If problem persists, contact customer service.

Message	rad_changeRequestPkt unknown code <> in radius packet
Severity	Error
Description	Erroneous code exists in the header of the received RADIUS packet.
Synopsis	RADIUS response packet must have the correct code.
Action	Contact customer service after verifying that the RADIUS server is functioning correctly.

Message	rad_deQPendingRequest cannot find the request for seq_no<num>
Severity	Error
Description	Cannot find a matching request to the sequence ID in the RADIUS response packet.
Synopsis	A list of sequence numbers used in RADIUS request packet is maintained by the device. An incoming RADIUS response must match a corresponding request.
Action	If problem persists, contact customer service.

Message	rad_enQPendingRequest failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	rad_extractReplyMessage failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	rad_handleServerResponse select failed<num>
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	rad_incrIgapEnabledVlanCnt failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	rad_newSocket cannot bind UDP socket to port<num>
Severity	Error
Description	Unable to bind to the specified UDP port.
Synopsis	UDP port specified is already in use
Action	Make sure no other UDP service is configured on the same port. If problem persists, contact customer service.

Message	rad_newSocket cannot create UDP socket
Severity	Error
Description	Unable to create a UDP socket.
Synopsis	Software error
Action	Contact Customer support.

Message	rad_newSocket failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	rad_processPendingRequest unable to send request
Severity	Error
Description	Unable to send a IGAP RADIUS request.
Synopsis	Software error
Action	If problem persists, contact customer service.

Message	rad_receiveResponse received response with bad length recvd<num>
Severity	Error
Description	Invalid length for received RADIUS response packet.
Synopsis	The packet size of incoming RADIUS response must be equal to the size mentioned in the packet header.
Action	Verify that RADIUS server is functioning correctly. If problem persists, contact customer service.

Message	rad_receiveResponse recvfrom failed<num>
Severity	Error
Description	Unable to receive data on UDP socket.
Synopsis	Software error
Action	Contact customer service.

Message	rad_Request failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	rad_Request unable to queue the request
Severity	Info
Description	Unable to send a IGAP RADIUS request.
Synopsis	The number of concurrent IGAP RADIUS requests that the device can handle has been reached. No new requests can be sent.
Action	If problem persists, contact customer service.

Message	rad_Request Unknown request type<num>
Severity	Error
Description	Internal error exists in the software.
Synopsis	Software error
Action	If problem persists, contact customer service.

Message	rad_sendRequest unable to send a UDP packet error<num>
Severity	Error
Description	Unable to send a UDP packet.
Synopsis	Software error
Action	If problem persists, contact customer service.

Message	rad_sendRequest unknown code<num> in radius send pkt
Severity	Error
Description	Internal mismatch exists in the software for RADIUS packet code.
Synopsis	Software error
Action	If problem persists, contact customer service.

Message	rad_writeLog invalid message size<num>
Severity	Error
Description	The IGAP Accounting log message size is invalid.
Synopsis	Software error
Action	If problem persists, contact customer service.

Message	radAcctBuildStopInterimValuePair failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	radAcctInterim failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	radAcctOff failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	radAcctOn failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	radAcctSendToServer can t bind UDP socket to port
Severity	Error
Description	Unable to bind to the specified UDP port.
Synopsis	UDP port specified is already in use.
Action	Make sure no other UDP service is configured on the same port. If problem persists, contact customer service.

Message	radAcctSendToServer can t send data on UDP socket
Severity	Error
Description	Unable to send a UDP packet.
Synopsis	Software error
Action	If problem persists, contact customer service.

Message	radAcctSendToServer cannot open socket
Severity	Error
Description	Unable to create a UDP socket.
Synopsis	Software error
Action	If problem persists, contact customer service.

Message	radAcctSendToServer failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	radAcctSendToServer socket recvfrom error
Severity	Error
Description	Unable to receive data on UDP socket.
Synopsis	Software error
Action	If problem persists, contact customer service.

Message	radAcctSendToServer socket select error
Severity	Error
Description	Software error
Synopsis	Software error
Action	If problem persists, contact customer service.

Message	radAcctSnmpInterim failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	radAcctSnmpStart failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	radAcctSnmpStop failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	radAcctStart failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	radAcctStop failed to allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	radAddEtherHooks Cannot add Input hook
Severity	Error
Description	Unable to initialize the software to capture login session statistics for use in RADIUS accounting.
Synopsis	Software error
Action	Contact customer service.

Message	radAddEtherHooks Cannot add Output hook
Severity	Error
Description	Unable to initialize the software to capture login session statistics for use in RADIUS accounting.
Synopsis	Software error
Action	Contact customer service.

Message	radClearStat can t lock mutex
Severity	Error
Description	Unable to acquire a software resource.
Synopsis	Software error
Action	Contact customer service.

Message	radCreateServer Can t allocate Server Entry
Severity	Fatal
Description	Unable to create a RADIUS server due to memory not being available.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	radDictAttrGetValue Can t get value for attribute<string>
Severity	Error
Description	RADIUS attribute unknown to the switch is being looked-up.
Synopsis	Unknown attribute in received RADIUS packet or sent packet.
Action	Verify that the sent and received RADIUS packets contain known attributes.

Message	radDictAttrSet Can t set value for attribute<string>
Severity	Error
Description	RADIUS attribute unknown to the switch is being looked-up.
Synopsis	Unknown attribute in received RADIUS packet or sent packet.
Action	Verify that the sent and received RADIUS packets contain known attributes.

Message	radInsertServer can t lock mutex
Severity	Error
Description	Unable to acquire a software resource.
Synopsis	Software error
Action	Contact customer service.

Message	radInsertVp FATAL value pair
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	RADIUS authentication failed at\<string\> s
Severity	Info
Description	Authentication failed for the specified user on the specified server.
Synopsis	Authentication alert
Action	N/A

Message	radius global event sync failed
Severity	Error
Description	Unable to synchronize RADIUS configuration to redundant CPU in HA Mode.
Synopsis	Software error
Action	Contact customer service.

Message	radius server event sync failed
Severity	Error
Description	Unable to synchronize RADIUS configuration to redundant CPU in HA Mode.
Synopsis	Software error
Action	Contact customer service.

Message	radius snmp global event sync failed
Severity	Error
Description	Unable to synchronize RADIUS configuration to redundant CPU in HA Mode.
Synopsis	Software error
Action	Contact customer service.

Message	radiusStart Can't create mutex semaphore
Severity	Fatal
Description	Unable to acquire a software resource.
Synopsis	Software error
Action	Contact customer service.

Message	radiusSyncCallback corrupt msg
Severity	Error
Description	Unable to synchronize RADIUS configuration to redundant CPU in HA Mode.
Synopsis	Software error
Action	Contact customer service.

Message	radiusSyncCallback Unrecognized message type
Severity	Info
Description	Unable to synchronize RADIUS configuration to redundant CPU in HA Mode.
Synopsis	Software error
Action	Contact customer service.

Message	radLock can t lock mutex
Severity	Error
Description	Unable to acquire a software resource.
Synopsis	Software error
Action	Contact customer service.

Message	radMalloc Can t allocate memory
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	radRemoveServer can t lock mutex
Severity	Error
Description	Unable to acquire a software resource.
Synopsis	Software error
Action	Contact customer service.

Message	radSendServer can t lock mutex
Severity	Error
Description	Unable to acquire a software resource.
Synopsis	Software error
Action	Contact customer service.

Message	radSnmpAcctNwData_Add Can t allocate memory for SNMP Session
Severity	Error
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	rcRadiusGlobalGrpSet Unable to spawn tRadAct task
Severity	Error
Description	Unable to acquire a software resource.
Synopsis	Software error
Action	Contact customer service.

Message	rcRadiusServerTblSet can t take semaphore
Severity	Error
Description	Unable to acquire a software resource.
Synopsis	Software error
Action	Contact customer service.

Message	System out of memory
Severity	Fatal
Description	System is out of memory.
Synopsis	Insufficient memory
Action	If problem persists, contact customer service.

Message	Table syncing failed for radius server entries
Severity	Error
Description	Unable to synchronize RADIUS configuration to redundant CPU in HA Mode.
Synopsis	Software error
Action	Contact customer service.

Message	Table syncing failed for radius snmp entries
Severity	Error
Description	Unable to synchronize RADIUS configuration to redundant CPU in HA Mode.
Synopsis	Software error
Action	Contact customer service.

Message	Unable to restore port -- to Vlan --
Severity	ERROR
Description	System encountered error while moving back the 8021x controlled port to it's original VLAN after the user session is terminated. [the port should have been assigned to VLAN returned by RADIUS server when it got 8021x authenticated.]
Synopsis	System error
Action	Report the problem

Message	Unknown code in request pkt<num>
Severity	Error
Description	An internal mismatch exists in the software for RADIUS packet code.
Synopsis	Software error
Action	If problem persists, contact customer service.

Message	User -- on Port -- is disconnected
Severity	Info
Description	This message is generated when an 8021x authorized user logs out.
Synopsis	User session is terminated.
Action	No action necessary

Message	User -- on Port -- is authenticated
Severity	Info
Description	This message is generated when a user successfully logs in to a 8021x controlled port.
Synopsis	User session begins
Action	No action necessary

Message	VLAN -- returned by RADIUS server for port -- does not exist
Severity	Error
Description	This message is generated when the VLAN returned by RADIUS server for 8021x authorized port does not exist on the system.
Synopsis	RADIUS returned invalid VLAN
Action	Either create the VLAN returned by RADIUS server or configure RADIUS server to return a valid VLAN.

Message	Vlan id -- returned from RADIUS server cannot be used for port -- belonging to MLT
Severity	Info
Description	This messages is generated when the system tries to move the 8021x authorized port to VLAN returned by RADIUS server and the port belongs to a MLT.
Synopsis	System attempts to move 8021x authorized MLT port to VLAN returned by RADIUS server.
Action	Remove the port from MLT.

Message	Vlan id -- returned from RADIUS server cannot be used for tagged port --
Severity	Info
Description	This messages is generated when the system tries to move the 8021x authorized port to VLAN returned by RADIUS server and the port is tagged.
Synopsis	System attempts to move 8021x authorized tagged port to VLAN returned by RADIUS server
Action	Make the port untagged.

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