

Overview

A Fault Management System (FMS) alarm alerts a network management system (NMS) or controller to specific faults or anomalies in the network. When devices detect issues such as hardware failures, connectivity problems, or performance threshold breaches, they generate and send alarms. This enables operators to respond swiftly, maintain network stability, and automate fault management tasks. Each alarm includes a unique identifier that specifies the type of fault, while the severity level indicates the criticality of the issue. The event description concisely explains the conditions that trigger the alarm.

Severity levels for alarms in the FMS follow the IETF Standard - RFC 8632. This standard defines the conversion of OPER_LOG (Event) severity to the corresponding alarm severity in a provided table.

Note: For more information on each severity level, refer to RFC 8632. Additional details are available in this RFC: <https://datatracker.ietf.org/doc/rfc8632/>.

Example:

Each alarm message includes a date and timestamp, followed by the device name (OcNOS), module name (NSM), severity level (CRITI), alarm type (IFMGR_IF_DOWN_2), and the alarm message. The alarm message also contains specific details, such as the interface name (eth0), which is dynamically replaced based on the scenario.

2024 Sep 26 11:16:51.772 : OcNOS : NSM : CRITI : [IFMGR_IF_DOWN_2]: Interface eth0 changed state to down

ZLOG CRITICALITY	NETCONF NOTIFICATION SEVERITY	OPER LOG CRITICALITY	FMS ALARM SEVERITY
		(EVENT SEVERITY)	
ZLOG_EMERGENCY	NTF_SEVERITY_CRITICAL	OPLOG_EMERGENCY	CRITICAL
ZLOG_ALERT		OPLOG_ALERT	
ZLOG_CRITICAL	NTF_SEVERITY_MAJOR	OPLOG_CRITICAL	MAJOR
ZLOG_ERROR		OPLOG_ERROR	
ZLOG_WARN	NTF_SEVERITY_WARNING	OPLOG_NOTIFY	WARNING
ZLOG_NOTIFY	NTF_SEVERITY_MINOR	OPLOG_INFO	MINOR
ZLOG_INFO		-	
ZLOG_DEBUG	NTF_SEVERITY_NONE	-	UNKNOWN
ZLOG_CLI_HIST		-	

ALARM TYPE	SEVERITY	ALARM MESSAGE	DESCRIPTION
IFMGR_IF_DOWN	MAJOR	Interface [INTERFACE_NAME] changed state to down	Interface state down
		TFO Uplink interface [INTERFACE_NAME] is down	
		TFO bringing down the Interface [INTERFACE_NAME]	
IFMGR_IF_UP	WARNING	Interface [INTERFACE_NAME] changed state to up	Interface state up
IFMGR_IF_DELETE	WARNING	Interface [INTERFACE_NAME] deleted	Interface state delete
CMM_MONITOR_RAM	CRITICAL	Ram usage in Alert level. [Threshold %d% Current usage %d%]. Top 3 Memory Consuming Process : hsl : 6.9% cmdl : 1.9% netconfd : 1.4%	RAM memory usage crossed the threshold limit
	MAJOR	Ram is in critical level. [Threshold 80% Current usage 80%]. Top 3 Memory Consuming Process : hsl : 6.9% cmdl : 1.9% netconfd : 1.4%	
	WARNING	Ram usage is back to normal. [Threshold 80% Current usage 50%]	
	WARNING	Ram usage recovered from alert condition. [Threshold 90% Current usage 80%]	
CMM_MONITOR_CPU	CRITICAL	CPU 15min load avg in Alert level. [Threshold 80% 15min load 90.000%]	CPU load average crossed the threshold limit
	WARNING	CPU 15min load avg recovered. [Threshold 80% 15min load 40.000%]	
	CRITICAL	CPU 5min load avg in Alert level. [Threshold 80% 5min load 90.000%]	
	WARNING	CPU 5min load avg recovered. [Threshold 80% 5min load 30.000%]	
	CRITICAL	CPU 1min load avg in Alert Level. [Threshold 80% 1min load 90.000%]	
	WARNING	CPU 1min load avg recovered from alert condition. [Threshold 80% 1min load 79.000%]	
	MAJOR	CPU 1min load avg in Critical Level. [Threshold 60% 1min load 79.000%]	
	WARNING	CPU 1min load avg recovered from critical condition. [Threshold 60% 1min load 50.000%]	
CMM_MONITOR_CPU_CORE	CRITICAL	CPU core usage in Alert Level	CPU core usage crossed the threshold limit
	MAJOR	CPU core usage in Critical Level	
	WARNING	CPU core usage recovered from alert condition	
	WARNING	CPU core usage recovered from critical condition	
CMM_MONITOR_TEMP	CRITICAL	OVER TEMPERATURE PROTECTION. SYSTEM HALTING. Temperature of [TEMPERATURE_SENSOR_NAME] is [TEMPERATURE_VALUE] C.Min Threshold [MIN_VALUE] C, Max Threshold [MAX_VALUE] C	Temperature sensor crossed the threshold limit
	CRITICAL	Temperature of [TEMPERATURE_SENSOR_NAME] is [TEMPERATURE_VALUE] C. It is nearing Emergency Condition high.	
	MAJOR	Temperature of [TEMPERATURE_SENSOR_NAME] is [TEMPERATURE_VALUE] C. It has reached high critical condition.	
	WARNING	Temperature of [TEMPERATURE_SENSOR_NAME] is [TEMPERATURE_VALUE] C. is recovered from nearing Emergency Condition High	
	WARNING	Temperature of [TEMPERATURE_SENSOR_NAME] is [TEMPERATURE_VALUE] C. is recovered from critical condition High.	
	CRITICAL	UNDER TEMPERATURE PROTECTION. SYSTEM HALTING. Temperature of [TEMPERATURE_SENSOR_NAME] is [TEMPERATURE_VALUE] C. Min Threshold [MIN_VALUE] C, Max Threshold [MAX_VALUE] C	
	CRITICAL	Temperature of [TEMPERATURE_SENSOR_NAME] is [TEMPERATURE_VALUE] C. It is nearing Emergency Condition Low.	
	MAJOR	Temperature of [TEMPERATURE_SENSOR_NAME] is [TEMPERATURE_VALUE] C. It has reached low critical condition.	
	WARNING	Temperature of [TEMPERATURE_SENSOR_NAME] is [TEMPERATURE_VALUE] C. It is recovered from nearing Emergency Condition Low.	
	WARNING	Temperature of [TEMPERATURE_SENSOR_NAME] is [TEMPERATURE_VALUE] C. It is recovered from critical condition Low.	
	MAJOR	Sensor [NAME] (Temperature Instant) Upper Critical going high Asserted (Reading 102, Threshold 101 degrees C)	
	WARNING	Sensor [NAME] (Temperature Instant) Upper Critical going low Deasserted (Reading 100, Threshold 101 degrees C)	
	MAJOR	Sensor [NAME] (Temperature Sensor 1) Upper Critical going high Asserted (Reading 91, Threshold 90 degrees C)	
	WARNING	Sensor [NAME] (Temperature Sensor 1) Upper Critical going low Deasserted (Reading 89, Threshold 90 degrees C)	
	CRITICAL	[Alert Alarm] Temperature [[TEMPERATURE_SENSOR_NAME]]: 65.00C.Threshold: 5.00C-65.00C	
	WARNING	[Alert Recovery] Temperature[[TEMPERATURE_SENSOR_NAME]]: 45.00C. Threshold: 5.00C-65.00C	

ALARM TYPE	SEVERITY	ALARM MESSAGE	DESCRIPTION
CMM_MONITOR_PSU_POWER	CRITICAL	OVER POWER PROTECTION. SYSTEM HALTING. Output Power of Psu [PSU NAME] [[POWER VALUE]Watt] has exceeded Maximum Output Power Limit [[THRESHOLD VALUE]Watt]	Power supply unit insertion, removal, or fault condition
	MAJOR	Psu [[PSU NAME]] Serial no[[SERIAL NUMBER]] [POWER AC/DC] is not OK.	
	MAJOR	Psu [[PSU NAME]] [POWER AC/DC] is not OK.	
	MAJOR	Psu [[PSU NAME]] Serial no[[SERIAL NUMBER]]12V Power Failed.	
	MAJOR	Psu [[PSU NAME]] 12V Power Failed.	
	WARNING	Psu [[PSU NAME]] [POWER AC/DC] is recovered.	
	WARNING	Psu [[PSU NAME]] 12V is recovered.	
	MAJOR	Sensor [NAME] (Input Power) Upper Critical going high Asserted (Reading 0.400, Threshold 0.000 Watts)	
	WARNING	Sensor [NAME] (Input Power) Upper Critical going low Deasserted (Reading 0, Threshold 0 Watts)	
	MAJOR	Sensor [NAME] (Power Consumption) Upper Critical going high Asserted (Reading 0.400, Threshold 0.000 Watts)	
	WARNING	Sensor [NAME] (Power Consumption) Upper Critical going low Deasserted (Reading 0, Threshold 0 Watts)	
	WARNING	Sensor [PSU0_Type] Failure detected True	
	WARNING	Sensor [PSU0_Type] Failure detected False	
	WARNING	Sensor [PSU0_POWEROK] : True	
	WARNING	Sensor [PSU-1 (Operational Status)] : False	
CMM_MONITOR_SDCARD	CRITICAL	[DISK NAME] ([PARTITION NAME]) usage is crossing Alert level [Threshold [VALUE]% Current usage [VALUE] %]	Hard-disk usage crossed the threshold limit or fault condition
	MAJOR	[DISK NAME] ([PARTITION NAME]) usage is in critical level. [Threshold [VALUE] %, Current usage [VALUE] %]	
	WARNING	[DISK NAME] ([PARTITION NAME]) usage is recovered from alert condition. [Threshold [VALUE] %, Current usage [VALUE] %]	
	WARNING	[DISK NAME] ([PARTITION NAME]) usage is recovered from critical condition. [Threshold [VALUE] %, Current usage [VALUE] %]	
	MAJOR	Device [DISK NAME] ([PARTITION NAME]) failed to get filesystem info.	
		Device [DISK NAME] ([PARTITION NAME]) recovered from failure.	
	MAJOR	Uncorrectable Sector Count On Line detected. [Sector count [VALUE] %]	
	MAJOR	Available Reserved Space reached critical levels [Space left [VALUE] % Threshold [VALUE] %]	
	WARNING	Available Reserved Space reached Alert levels [Space left [VALUE] % Threshold [VALUE] %]	
	WARNING	Reallocated Sectors detected !!! Number of reallocated sectors is [VALUE]	
CMM_FAN_CTRL	MAJOR	Tray[[TRAY INDEX]] Fan[[FAN INDEX]] is faulty	Fan insertion, removal, speed, or fault condition alarm
	MAJOR	Tray[[TRAY INDEX]] Fan[[FAN INDEX]] is stalled	
	WARNING	Tray[[TRAY INDEX]] Fan[[FAN INDEX]] is recovered from fault	
	WARNING	Tray[[TRAY INDEX]] Fan[[FAN INDEX]] is recovered from stall	
	WARNING	Fan tray [[FAN TRAY INDEX]] inserted. Serial no:[[SERIAL NUMBER]]	
	WARNING	Fan tray [[FAN TRAY INDEX]] removed. Serial no:[[SERIAL NUMBER]]	
	MAJOR	Tray[[TRAY INDEX]] Fan[[FAN INDEX]] is set to MAX RPM: [VALUE]%	
	WARNING	Tray[[TRAY INDEX]] Fan[[FAN INDEX]] is set to MIN RPM: [VALUE]%	
	WARNING	Fan tray [[FAN TRAY INDEX]] Fan [[FAN INDEX]] speed increased to RPM : [VALUE]%	
	WARNING	Fan tray [[FAN TRAY INDEX]] Fan [[FAN INDEX]] speed decreased to RPM : [VALUE]%	
	MAJOR	Fan tray [TRAY INDEX] removed or not present. Serial no:[SERIAL NUMBER]	
	MAJOR	Fan tray [TRAY INDEX] removed or not present.	

ALARM TYPE	SEVERITY	ALARM MESSAGE	DESCRIPTION
CMM_DDM_MONITOR_TEMP	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]]/Port[[PORT ID]] slot[[ID]] Transceiver [[TRANSCEIVER NAME]] Serial no[[SERIAL NUMBER]] Temperature is [TEMPERATURE VALUE] Celsius.Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	Transceiver Temperature crossed the threshold limit
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]]/Port[[PORT ID]] slot[[ID]] Transceiver [[TRANSCEIVER NAME]] Serial no[[SERIAL NUMBER]] Temperature is [TEMPERATURE VALUE] Celsius.Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]]/Port[[PORT ID]] slot[[ID]] Transceiver [[TRANSCEIVER NAME]] Serial no[[SERIAL NUMBER]] is recovered from Temperature fault.	
CMM_DDM_MONITOR_VOLT	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]]/Port[[PORT ID]] slot[[ID]] Transceiver [[TRANSCEIVER NAME]] Serial no[[SERIAL NUMBER]] Voltage is [VOLTAGE VALUE] Volts. High alarming threshold is [MAX VALUE]V.	Transceiver Voltage crossed the threshold limit
	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]]/Port[[PORT ID]] slot[[ID]] Transceiver [[TRANSCEIVER NAME]] Serial no[[SERIAL NUMBER]] Voltage is [VOLTAGE VALUE] Volts. Low alarming threshold is [MIN VALUE]V	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]]/Port[[PORT ID]] slot[[ID]] Transceiver [[TRANSCEIVER NAME]] Serial no[[SERIAL NUMBER]] Voltage is [VOLTAGE VALUE] Volts. High warning threshold is [MAX VALUE]V. Operating range is [MIN VALUE] - [MAX VALUE]V	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]]/Port[[PORT ID]] slot[[ID]] Transceiver [[TRANSCEIVER NAME]] Serial no[[SERIAL NUMBER]] Voltage is [VOLTAGE VALUE] Volts. Low warning threshold is [MIN VALUE]V. Operating range is [MIN VALUE] - [MAX VALUE]V	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]]/Port[[PORT ID]] slot[[ID]] Transceiver[[TRANSCEIVER NAME]] Serial no[[SERIAL NUMBER]] is recovered from voltage fault.	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]]/Port[[PORT ID]] slot[[ID]] Transceiver [[TRANSCEIVER NAME]] Serial no[[SERIAL NUMBER]] #2 Voltage is [VOLTAGE VALUE] Volts. High warning threshold is [MAX VALUE]V. Operating range is [MIN VALUE] - [MAX VALUE]V	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]]/Port[[PORT ID]] slot[[ID]] Transceiver [[TRANSCEIVER NAME]] Serial no[[SERIAL NUMBER]] #2 Voltage is [VOLTAGE VALUE] Volts. Low warning threshold is [MIN VALUE]V. Operating range is [MIN VALUE] - [MAX VALUE]V	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]]/Port[[PORT ID]] slot[[ID]] Transceiver[[TRANSCEIVER NAME]] Serial no[[SERIAL NUMBER]] is recovered from #2 voltage fault.	

ALARM TYPE	SEVERITY	ALARM MESSAGE	DESCRIPTION
CMM_DDM_MONITOR_CURRENT	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Current is [CURRENT VALUE]mA. High alarming threshold is [MAX VALUE]mA	Transceiver Bias Current crossed the threshold limit
	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Current is [CURRENT VALUE]mA. Low alarming threshold is [MIN VALUE]mA.	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Current is [CURRENT VALUE]mA. High warning threshold is [MAX VALUE]mA. Operating range is [MIN VALUE] - [MAX VALUE]mA.	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Current is [CURRENT VALUE]mA. Low warning threshold is [MIN VALUE]mA. Operating range is [MIN VALUE] - [MAX VALUE]mA.	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]]slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] is recovered from Bias Current fault.	
CMM_DDM_MONITOR_TxPOWER	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] TxPower is [POWER VALUE]dBm. High alarming threshold is [MAX VALUE]dBm.	Transceiver Tx Power crossed the threshold limit
	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] TxPower is [POWER VALUE]dBm. Low alarming threshold is [MIN VALUE]dBm.	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] TxPower is [POWER VALUE]dBm. High warning threshold is [MAX VALUE]dBm. Operating range is [MIN VALUE] - [MAX VALUE]dBm.	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] TxPower is [POWER VALUE]dBm. Low warning threshold is [MIN VALUE]dBm. Operating range is [MIN VALUE] - [MAX VALUE]dBm.	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] is recovered from TxPower fault.	

ALARM TYPE	SEVERITY	ALARM MESSAGE	DESCRIPTION
CMM_DDM_MONITOR_RxPOWER	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] RxPower is [POWER VALUE]dBm. High alarming threshold is [MAX VALUE]dBm.	Transceiver Rx Power crossed the threshold limit
	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] RxPower is [POWER VALUE]dBm. Low alarming threshold is [MIN VALUE]dBm.	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] RxPower is [POWER VALUE]dBm. High warning threshold is [MAX VALUE] . Operating range is [MIN VALUE] - [MAX VALUE]dBm.	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] RxPower is [POWER VALUE]dBm. Low warning threshold is [MIN VALUE] . Operating range is [MIN VALUE] - [MAX VALUE]dBm.	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] is recovered from RxPower fault.	
CMM_DDM_MONITOR_FREQ	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Frequency Error is [FREQUENCY VALUE] GHz. It has reached Emergency Condition high. Min Threshold [MIN VALUE] GHz, Max Threshold [MAX VALUE] GHz	Transceiver Frequency crossed the threshold limit
	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Frequency Error is [FREQUENCY VALUE] GHz. It has reached Emergency Condition low. Min Threshold [MIN VALUE] GHz, Max Threshold [MAX VALUE] GHz	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Frequency Error is [FREQUENCY VALUE] GHz. It has reached Emergency Condition high. Min Threshold [MIN VALUE] GHz, Max Threshold [MAX VALUE] GHz	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Frequency Error is [FREQUENCY VALUE] GHz. It is nearing Emergency Condition Low. Min Threshold [MIN VALUE] GHz, Max Threshold [MAX VALUE] GHz	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Frequency Error is [FREQUENCY VALUE] GHz. It has Recovered from Emergency Condition.	

ALARM TYPE	SEVERITY	ALARM MESSAGE	DESCRIPTION
CMM_DDM_MONITOR_WAVE	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Wavelength Error is [WAVELENGTH VALUE]. It has reached Emergency Condition high. Min Threshold [MIN VALUE] nm, Max Threshold [MAX VALUE] nm	Transceiver Wavelength crossed the threshold limit
	MAJOR	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Wavelength Error is [[WAVELENGTH VALUE]]. It has reached Emergency Condition low. Min Threshold [[MIN VALUE]] nm, Max Threshold [[MAX VALUE]] nm	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Wavelength Error is [WAVELENGTH VALUE]. It is nearing Emergency Condition high. Min Threshold [MIN VALUE] nm, Max Threshold [MAX VALUE] nm	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Wavelength Error is [WAVELENGTH VALUE]. It is nearing Emergency Condition low. Min Threshold [MIN VALUE] nm, Max Threshold [MAX VALUE] nm	
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Wavelength Error is [WAVELENGTH VALUE]. It has Recovered from Emergency Condition.	
CMM_DDM_MONITOR_TEC	CRITICAL	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] TEC-FAULT.	Transceiver Thermoelectric Cooler fault
	WARNING	[PORT TYPE] Intf[[INTERFACE NAME]/Port[PORT ID]] slot[[ID]] Transceiver [[TRANSCIVER NAME]] Serial no[[SERIAL NUMBER]] Recovered from TEC-FAULT.	
CMM_TRANSCEIVER	CRITICAL	[TRANSCIVER NAME] Port[[NUMBER]] LANE [NUMBER] Rx-Los detected	Transceiver on fault condition
	WARNING	[TRANSCIVER NAME] Port[[NUMBER]] LANE [NUMBER] Rx-Los recovered	
	WARNING	[TRANSCIVER NAME] Port[[NUMBER]] Transceiver of [[TRANSCIVER NAME]]([SERIAL NUMBER]) inserted and faulty. Unsupported part number: [PART NUMBER].	
	WARNING	[TRANSCIVER TYPE] Port[[NUMBER]] Transceiver[[TRANSCIVER NAME]] Serial no:[[SERIAL NUMBER]] Connector type:[[TYPE NAME]] inserted.	
	WARNING	[TRANSCIVER TYPE] Port[[NUMBER]] Transceiver[[TRANSCIVER NAME]] Serial no:[[SERIAL NUMBER]] Connector type:[[TYPE NAME]] removed.	
	WARNING	[TRANSCIVER NAME] Port[[NUMBER]] Transceiver removed.	
	WARNING	[TRANSCIVER NAME] Port[[NUMBER]] Transceiver removed.	
CMM_MONITOR_PSU_PRESENCE	WARNING	[TRANSCIVER NAME] Port[[NUMBER]] Transceiver inserted and faulty. EEPROM information read failed.	Power supply unit is present
	MAJOR	Psu [[PSU NUMBER]] removed Serial no:[[SERIAL NUMBER]]	
	MAJOR	Psu [[PSU NUMBER]] removed.	
	WARNING	Psu [[PSU NUMBER]] inserted. Serial no:[[SERIAL NUMBER]]	
	MAJOR	Sensor [SENSOR NAME] Device Absent : True	
	WARNING	Sensor [SENSOR NAME] Device Present : True	
CMM_MONITOR_PSU_PRESENCE	WARNING	Psu [[PSU NUMBER]] inserted.	

ALARM TYPE	SEVERITY	ALARM MESSAGE	DESCRIPTION
CMM_MONITOR_DISK_REMAIN_LIFE	CRITICAL	Disk remaining life reached Alert level. [Life remaining [VALUE]%, Threshold [VALUE] %]	Disk remaining life crossed the threshold limit
	MAJOR	Disk Remaining life reached critical level. [Life remaining [VALUE]%, Threshold [VALUE] %]	
CMM_MONITOR_DISK_READ_ACTIVITY	CRITICAL	[DISK NAME] is crossing Alert level [Threshold [VALUE] KB/s, Current usage [VALUE] KB/s]	Disk read activity crossed the threshold limit
	WARNING	[DISK NAME] is recovered from alert condition. [Threshold [VALUE] KB/s, Current usage [VALUE] KB/s]	
CMM_MONITOR_DISK_WRITE_ACTIVITY	CRITICAL	[DISK NAME] is crossing Alert level [Threshold [VALUE] KB/s, Current usage [VALUE] KB/s]	Disk write activity crossed the threshold limit
	WARNING	[DISK NAME] is recovered from alert condition. [Threshold [VALUE] KB/s, Current usage [VALUE] KB/s]	
CMM_MONITOR_PSU_PIN	CRITICAL	Input power of PSU[[INDEX]] is [POWER VALUE]. It is nearing Emergency Condition high. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	Power supply unit input power crossed the threshold limit
	CRITICAL	Input power of PSU[[INDEX]] is [POWER VALUE]. It is nearing Emergency Condition low. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Input power of PSU[[INDEX]] is [POWER VALUE]. It has reached high critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Input power of PSU[[INDEX]] is [POWER VALUE]. It has reached low critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	WARNING	Input power of PSU[[INDEX]] is [POWER VALUE]. is recovered from nearing Emergency Condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Input power of PSU[[INDEX]] is [POWER VALUE]. is recovered from critical condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Input power of PSU[[INDEX]] is [POWER VALUE]. is recovered from nearing Emergency Condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Input power of PSU[[INDEX]] is [POWER VALUE]. is recovered from critical condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
CMM_MONITOR_PSU_POUT	CRITICAL	Output power of PSU[[INDEX]] is [POWER VALUE]. It is nearing Emergency Condition high. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	Power supply unit output power crossed the threshold limit
	CRITICAL	Output power of PSU[[INDEX]] is [POWER VALUE]. It is nearing Emergency Condition low. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Output power of PSU[[INDEX]] is [POWER VALUE]. It has reached high critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Output power of PSU[[INDEX]] is [POWER VALUE]. It has reached low critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	WARNING	Output power of PSU[[INDEX]] is [POWER VALUE]. is recovered from nearing Emergency Condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Output power of PSU[[INDEX]] is [POWER VALUE]. is recovered from critical condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Output power of PSU[[INDEX]] is [POWER VALUE]. is recovered from nearing Emergency Condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Output power of PSU[[INDEX]] is [POWER VALUE]. is recovered from critical condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	

ALARM TYPE	SEVERITY	ALARM MESSAGE	DESCRIPTION
CMM_MONITOR_PSU_VIN	CRITICAL	Input voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. It is nearing Emergency Condition high. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	Power supply unit input voltage crossed the threshold limit
	CRITICAL	Input voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. It is nearing Emergency Condition low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	MAJOR	Input voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. It has reached high critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Input voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. It has reached low critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	WARNING	Input voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. is recovered from nearing Emergency Condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Input voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. is recovered from critical condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Input voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. is recovered from nearing Emergency Condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Input voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. is recovered from critical condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
CMM_MONITOR_PSU_VOUT	CRITICAL	Output voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. It is nearing Emergency Condition high. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	Power supply unit output voltage crossed the threshold limit
	CRITICAL	Output voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. It is nearing Emergency Condition low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	MAJOR	Output voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. It has reached high critical condition. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	MAJOR	Output voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. It has reached low critical condition. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Output voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. Is recovered from nearing Emergency Condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Output voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. Is recovered from critical condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Output voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. Is recovered from critical condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Output voltage of PSU[[INDEX]] is [VOLTAGE VALUE]. is recovered from critical condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	

ALARM TYPE	SEVERITY	ALARM MESSAGE	DESCRIPTION
CMM_MONITOR_PSU_IIN	CRITICAL	Input current of PSU[[INDEX]] is [CURRENT VALUE]. It is nearing Emergency Condition high. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	Power supply unit input current crossed the threshold limit
	CRITICAL	Input current of PSU[[INDEX]] is [CURRENT VALUE]. It is nearing Emergency Condition low. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Input current of PSU[[INDEX]] is [CURRENT VALUE]. It has reached high critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Input current of PSU[[INDEX]] is [CURRENT VALUE]. It has reached low critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	WARNING	Input current of PSU[[INDEX]] is [CURRENT VALUE]. is recovered from nearing Emergency Condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Input current of PSU[[INDEX]] is [CURRENT VALUE]. is recovered from critical condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Input current of PSU[[INDEX]] is [CURRENT VALUE]. is recovered from nearing Emergency Condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Input current of PSU[[INDEX]] is [CURRENT VALUE]. is recovered from critical condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
CMM_MONITOR_PSU_IOUT	CRITICAL	Output current of PSU[[INDEX]] is [CURRENT VALUE]. It is nearing Emergency Condition high. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	Power supply unit output current crossed the threshold limit
	CRITICAL	Output current of PSU[[INDEX]] is [CURRENT VALUE]. It is nearing Emergency Condition low. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Outut current of PSU[[INDEX]] is [CURRENT VALUE]. It has reached high critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Output current of PSU[[INDEX]] is [CURRENT VALUE]. It has reached low critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	WARNING	Output current of PSU[[INDEX]] is [CURRENT VALUE]. is recovered from nearing Emergency Condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Output current of PSU[[INDEX]] is [CURRENT VALUE]. is recovered from critical condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Output current of PSU[[INDEX]] is [CURRENT VALUE]. is recovered from nearing Emergency Condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Output current of PSU[[INDEX]] is [CURRENT VALUE]. is recovered from critical condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	

ALARM TYPE	SEVERITY	ALARM MESSAGE	DESCRIPTION
CMM_MONITOR_PSU_TEMP1	CRITICAL	Temp1 of PSU[[INDEX]] is [TEMPERATURE VALUE]. It is nearing Emergency Condition high. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	Power supply unit temperature 1 crossed the threshold limit
	CRITICAL	Temp1 of PSU[[INDEX]] is [TEMPERATURE VALUE]. It is nearing Emergency Condition low. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Temp1 of PSU[[INDEX]] is [TEMPERATURE VALUE]. It has reached high critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Temp1 of PSU[[INDEX]] is [TEMPERATURE VALUE]. It has reached low critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	WARNING	Temp1 of PSU[[INDEX]] is [TEMPERATURE VALUE]. It is nearing Emergency Condition High. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	WARNING	Temp1 of PSU[[INDEX]] is [TEMPERATURE VALUE]. is recovered from critical condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Temp1 of PSU[[INDEX]] is [TEMPERATURE VALUE]. is recovered from nearing Emergency Condition Low. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	WARNING	Temp1 of PSU[[INDEX]] is [TEMPERATURE VALUE]. is recovered from critical condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
CMM_MONITOR_PSU_TEMP2	CRITICAL	Temp2 of PSU[[INDEX]] is [TEMPERATURE VALUE]. It is nearing Emergency Condition high. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	Power supply unit temperature 2 crossed the threshold limit
	CRITICAL	Temp2 of PSU[[INDEX]] is [TEMPERATURE VALUE]. It is nearing Emergency Condition low. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Temp2 of PSU[[INDEX]] is [TEMPERATURE VALUE]. It has reached high critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	MAJOR	Temp2 of PSU[[INDEX]] is [TEMPERATURE VALUE]. It has reached low critical condition. Min Threshold [MIN VALUE], Max Threshold [MAX VALUE]	
	WARNING	Temp2 of PSU[[INDEX]] is [TEMPERATURE VALUE]. is recovered from nearing Emergency Condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Temp2 of PSU[[INDEX]] is [TEMPERATURE VALUE]. is recovered from nearing Emergency Condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Temp2 of PSU[[INDEX]] is [TEMPERATURE VALUE]. is recovered from critical condition High. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
	WARNING	Temp2 of PSU[[INDEX]] is [TEMPERATURE VALUE]. is recovered from critical condition Low. Min Threshold [MIN VALUE] C, Max Threshold [MAX VALUE] C	
HW_POFILE_MONITOR	MAJOR	[TCAM GROUP NAME] TCAM group is [TCAM VALUE]% full with only [VALUE] free entries left	TCAM Utilization
	WARNING	[TCAM GROUP NAME] TCAM group is [TCAM VALUE]% full with only [VALUE] free entries left	
CMM_MONITOR_FAN	MAJOR	Sensor [NAME] (FAN RPM) Upper Critical going high Asserted (Reading 100, Threshold 0 RPM)	FAN RPM crossed the threshold limit
	WARNING	Sensor [NAME] (FAN RPM) Upper Critical going low Deasserted (Reading 0, Threshold 0 RPM)	
	MAJOR	Sensor [NAME] (FAN [VALUE] RPM) Upper Critical going high Asserted (Reading 90, Threshold 0 RPM)	
	WARNING	Sensor [NAME] (FAN [VALUE] RPM) Upper Critical going low Deasserted (Reading 0, Threshold 0 RPM)	
	WARNING	Sensor [[NAME] (FAN Status)] : False	
CMM_MONITOR_CURRENT	CRITICAL/MAJOR	Sensor [NAME] ([INPUT/OUTPUT] Current) [LOWER/UPPER] [NON-RECOVERABLE/CRITICAL/NON-CRITICAL] going [LOW/HIGH] Asserted (Reading [VALUE], Threshold [VALUE] Amps)	Current crossed the threshold limit
	WARNING	Sensor [NAME] ([INPUT/OUTPUT] Current) [LOWER/UPPER] [NON-RECOVERABLE/CRITICAL/NON-CRITICAL] going [LOW/HIGH] Deasserted (Reading [VALUE], Threshold [VALUE] Amps)	
CMM_MONITOR_VOLTAGE	CRITICAL/MAJOR	Sensor [NAME] ([INPUT/OUTPUT] Voltage) [LOWER/UPPER] [NON-RECOVERABLE/CRITICAL/NON-CRITICAL] going [LOW/HIGH] Asserted (Reading [VALUE], Threshold [VALUE] Volts)	Voltage crossed the threshold limit
	WARNING	Sensor [NAME] ([INPUT/OUTPUT] Voltage) [LOWER/UPPER] [NON-RECOVERABLE/CRITICAL/NON-CRITICAL] going [LOW/HIGH] Deasserted (Reading [VALUE], Threshold [VALUE] Volts)	

ALARM TYPE	SEVERITY	ALARM MESSAGE	DESCRIPTION
CMM_MONITOR_ENTITY_PRESENCE	MAJOR	Sensor [[NAME]_Present] Present : False	Entity presence monitoring.
	WARNING	Sensor [[NAME]_Present] Present : True	
CMM_CMIS_MODULE_MONITOR	MAJOR	[[NAME]] detected on Port[[NUMBER]] module. Reading[[VALUE] [UNIT]], Threshold[[VALUE] [UNIT]]. Vendor[[VENDOR NAME]] Serial[[SERIAL NUMBER]]	Monitoring of the CMIS module
	WARNING	[[NAME]] recovered on Port[[NUMBER]] module. Reading[[VALUE] [UNIT]], Threshold[[VALUE] [UNIT]]. Vendor[[VENDOR NAME]] Serial[[SERIAL NUMBER]]	
	MAJOR	[[NAME]] detected on Lane[[ID]] Port[[NUMBER]] module. Vendor[[VENDOR NAME]] Serial[[SERIAL NUMBER]]	
	WARNING	[[NAME]] recovered on Lane[[ID]] Port[[NUMBER]] module. Vendor[[VENDOR NAME]] Serial[[SERIAL NUMBER]]	
CMM_CMIS_MODULE_MEDIA_LANE_MONITOR	MAJOR	[[NAME]] detected on Lane[[ID]] Port[[NUMBER]] module. Reading[[VALUE] [UNIT]], Threshold[[VALUE] [UNIT]]. Vendor[[VENDOR NAME]] Serial[[SERIAL NUMBER]]	Monitoring of the media lane within the CMIS module
	WARNING	[[NAME]] recovered on Lane[[ID]] Port[[NUMBER]] module. Reading[[VALUE] [UNIT]], Threshold[[VALUE] [UNIT]]. Vendor[[VENDOR NAME]] Serial[[SERIAL NUMBER]]	
	MAJOR	[[NAME]] detected on Lane[[ID]] Port[[NUMBER]] module. Vendor[[VENDOR NAME]] Serial[[SERIAL NUMBER]]	
	WARNING	[[NAME]] recovered on Lane[[ID]] Port[[NUMBER]] module. Vendor[[VENDOR NAME]] Serial[[SERIAL NUMBER]]	
CMM_CMIS_MODULE_HOST_LANE_MONITOR	MAJOR	[[NAME]] detected on Lane[[ID]] Port[[NUMBER]] module. Vendor[[VENDOR NAME]] Serial[[SERIAL NUMBER]]	Monitoring of the host lane within the CMIS module
	WARNING	[[NAME]] recovered on Lane[[ID]] Port[[NUMBER]] module. Vendor[[VENDOR NAME]] Serial[[SERIAL NUMBER]]	
	WARNING	[[NAME]] recovered on Port[[NUMBER]] module. Reading[[VALUE] [UNIT]], Threshold[[VALUE] [UNIT]]. Vendor[[VENDOR NAME]] Serial[[SERIAL NUMBER]]	
	MAJOR	[[NAME]] detected on Lane[[NUMBER]]Port[[NUMBER]] module. Reading[[VALUE] [UNIT]], Threshold[[VALUE] [UNIT]]. Vendor[[VENDOR NAME]]Serial[[SERIAL NUMBER]]	
LDP_SESSION_DOWN	MAJOR	Clearing up session on interface [INTERFACE NAME] with peer [IP ADDRESS], [LAST/SESSION] down reason [DOWN REASON STRING]	Indicates that an established LDP neighborhood session has transitioned to a down state.
LDP_SESSION_UP	WARNING	LDP session on interface [INTERFACE NAME] with peer [IP ADDRESS] is up	Indicates that a LDP neighborhood session has successfully transitioned to an up state.
LDP_SESSION_FAILURE	MAJOR	LDP-ID sent by peer [IP ADDRESS] is the same as the LDP-ID in use on interface [INTERFACE NAME]	Indicates that a failure has been detected within an active LDP session.
LDP_INTERNAL_ERR	MAJOR	Internal error in LDP State Machine for peer [IP ADDRESS] state : [NUMBER]	Indicates that an internal error has occurred within the LDP process or component.
	MAJOR	LDP Hello message-Internal error, ret = [NUMBER]	
	MAJOR	LDP Initialization message-Internal error, ret = [NUMBER]	
	MAJOR	LDP Keepalive message-Internal error, ret = [NUMBER]	
	MAJOR	LDP Notification message-Internal error for peer [IP ADDRESS], ret = [NUMBER]	
	MAJOR	LDP Address message-Internal error, ret = [NUMBER]	
	MAJOR	LDP Address Withdraw message-Internal error, ret = [NUMBER]	
	MAJOR	LDP label mapping message-Internal error, ret = [NUMBER]	
	MAJOR	LDP label request message-Internal error, ret = [NUMBER]	
	MAJOR	LDP label release message-Internal error, ret = [NUMBER]	
	MAJOR	LDP label withdraw message-Internal error, ret = [NUMBER]	
	MAJOR	LDP request abort message-Internal error, ret = [NUMBER]	
ISIS_OPR_ADJ_STATE	MAJOR	ADJCHG: Tag [TAG NAME], Nbr [NEIGHBOUR] on [INTERFACE NAME]: [OLD STATE] to [NEW STATE], [STATE MESSAGE]	Indicates a change in the operational state of an IS-IS adjacency.
	WARNING	ADJCHG: Tag [TAG NAME], Nbr [NEIGHBOR] on [INTERFACE NAME]: [OLD STATE] to [NEW STATE], [STATE MESSAGE]	

ALARM TYPE	SEVERITY	ALARM MESSAGE	DESCRIPTION
ISIS_OPR_INTF	WARNING	OS: Maximum number [MAX_CIRCUIT_ID] of circuit ID exhausted	Indicates a change in the operational state of an IS-IS interface.
	DEPENDS ON EVENT SEVERITY	IFSM[INTERFACE_NAME:LEVEL_STRING]: [SESSION_STATE] [EVENT_STRING]	
ISIS_OPR_INTF_CIRCUIT_STATE	WARNING	ISIS level-[LEVEL_NUMBER] interface circuit state down INTF:[INTERFACE_NAME]	Indicates a change in the circuit-level operational state of an IS-IS interface.
	WARNING	ISIS level-[LEVEL_NUMBER] interface circuit state up INTF:[INTERFACE_NAME]	
BGP_OPR_NEIGH_STATE_DOWN	MAJOR	Neighbour [IP_ADDRESS] Session down due to peer shutdown	Indicates that a BGP neighborhood session has transitioned to a down state.
	MAJOR	Neighbour [IP_ADDRESS] Session down due to Hold Timer Expiry	
	MAJOR	Neighbour [IP_ADDRESS] Session down due to interface down	
	MAJOR	Neighbour [IP_ADDRESS] Session down due to update of router-id	
	MAJOR	Neighbour [IP_ADDRESS] Session down due to update of confederation-id	
	MAJOR	Neighbour [IP_ADDRESS] Session down due to update of confederation peers	
	MAJOR	Neighbour [IP_ADDRESS] Session down due to peer AS change	
	MAJOR	Neighbour [IP_ADDRESS] Session down due to interface address deletion	
	MAJOR	Neighbour [IP_ADDRESS] Session down due to config deletion	
	MAJOR	Neighbour [IP_ADDRESS] Session down due to Administrative neighbor shutdown	
	MAJOR	Neighbour [IP_ADDRESS] Session down due to User clear requested	
	MAJOR	Neighbour [IP_ADDRESS] Session down due to Hold Timer Expired notification received, keepalives were not received by remote neighbour.	
	MAJOR	Neighbour [IP_ADDRESS] Session down as GR configured	
	MAJOR	Neighbour [IP_ADDRESS] Session down as GR unconfigured	
	MAJOR	Neighbour [IP_ADDRESS] Session down as GR configured/unconfigured	
	MAJOR	Neighbour [IP_ADDRESS] Session down as GR config updated	
	MAJOR	Neighbour [IP_ADDRESS] Session down as member added to peer group	
	MAJOR	Neighbour [IP_ADDRESS] Session down as neighbor made passive/non-passive	
	MAJOR	Neighbour [IP_ADDRESS] Session down as dynamic capability configured/unconfigured	
	MAJOR	Neighbour [IP_ADDRESS] Session down as enforce multihop configured/unconfigured	
	MAJOR	Neighbour [IP_ADDRESS] Session down as override capability configured/unconfigured	
	MAJOR	Neighbour [IP_ADDRESS] Session down as strict capability configured/unconfigured	
	MAJOR	Neighbour [IP_ADDRESS] Session down as ebgp multihop unconfigured	
	MAJOR	Neighbour [IP_ADDRESS] Session down as update-source configured	
	MAJOR	Neighbour [IP_ADDRESS] Session down as update-source unconfigured	
	MAJOR	Neighbour [IP_ADDRESS] Session down as port number updated	
	MAJOR	Neighbour [IP_ADDRESS] Session down due to [INTERFACE_NAME] interface flap	
	MAJOR	Neighbour [IP_ADDRESS] Session down received due to [ERROR_CODE_STRING] [SUB_ERROR_CODE_STRING]	
	MAJOR	Neighbour [IP_ADDRESS] Shutdown Communication with an invalid utf-8 sequence is received : [SOURCE_STRING]	
	MAJOR	Neighbour [IP_ADDRESS] Session down received due to reason : [ERROR_REASON]	
	MAJOR	Neighbour [IP_ADDRESS] (ADDRESS_FAMILY_INDICATOR) (SUBSEQUENT_ADDRESS_FAMILY_INDICATOR) Session down as peer deactivated	
	WARNING	Neighbour [IP_ADDRESS] Shutdown Communication with an invalid length is received	
BGP_OPR_NEIGH_STATE_CHANGE	WARNING	Neighbour [IP_ADDRESS] Status change [STATE_FROM] -> [STATE_TO]	Indicates a change in the operational state of a BGP neighborhood session.