



Troubleshooting Guide for Cisco NCS 1014, IOS XR Release 24.1.x

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Alarm Troubleshooting

This chapter provides a description, severity, and troubleshooting procedure for each commonly encountered Cisco NCS 1014 alarm and condition. To clear an alarm when it is raised, refer to its clearing procedure.

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CD Alarm

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: TRUNK

The Chromatic Dispersion (CD) alarm is raised when the detected chromatic dispersion value is above or below the configured threshold values.

Clear the CD Alarm

Configure the threshold value within range.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

DGD Alarm

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: TRUNK

The Differential Group Delay (DGD) alarm is raised when the value of the differential group delay read by the pluggable port module exceeds the configured threshold value.

Clear the DGD Alarm

Configure the threshold value within range if DGD value is not within the threshold range.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

DISASTER_RECOVERY_UNAVAILABLE_ALARM

Default Severity: Major(MJ), Non-Service-Affecting (NSA)

Logical Object: Instorch

The DISASTER_RECOVERY_UNAVAILABLE_ALARM is raised when the chassis SSD image is corrupted or system is running with a software not committed.

Clear the Disaster Recovery Unavailable Alarm

This alarm clears automatically after the upgrade from a lower release to a higher release. The upgrade process completes after running the **install commit** command. It syncs the image with the local repository every 12 hours. For more details

about software upgrade, see the Upgrade Software section of the System Setup and Software Installation Guide for Cisco NCS 1014.

If the alarm does not clear, contact your Cisco account representative or log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

EQUIPMENT_FAILURE

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: LC

The EQUIPMENT_FAILURE alarm is raised when any of the following equipment fails:

- Optical module
- Phase Lock Loop (PLL)
- CDR
- · Line Card
- Field Programmable Gate Array (FPGA)
- · Line card RAM or Disk
- META-DX2
- I/O expander

Clear the EQUIPMENT_FAILURE Alarm

To clear this alarm, replace the faulty equipment.

For more details, refer to the Cisco Returns Portal or log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

ESD_INIT_ERR_E

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: ESD

The ESD INIT ERR E alarm is raised when the Ethernet Switch Driver (ESD) initialization fails.

Clear the ESD INIT ERR E Alarm

Cisco IOS XR automatically detects and clears this alarm by resetting the switch.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

FAN FAIL

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: SPI-ENVMON

The FAN FAIL alarm is raised when one of the two fans stops spinning or fails. If a fan stops working properly, the temperature can increase beyond the usual operating range, which might also trigger the TEMPERATURE alarm to activate.

Clear the FAN FAIL Alarm

To clear this alarm, replace the faulty fan in the chassis.

If the alarm does not clear after replacing the faulty fan, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

FAN SPEED SENSOR 0: OUT OF TOLERANCE FAULT

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: SPI-ENVMON

The FAN SPEED SENSOR 0: OUT OF TOLERANCE FAULT alarm is raised when one or more fans in the fan tray are faulty.

Clear the FAN SPEED SENSOR 0: OUT OF TOLERANCE FAULT Alarm

To clear this alarm, replace the faulty fans in the chassis.

FAN-POWER-ERROR

Default Severity: Major (MJ), Non-Service-Affecting (NSA)

Logical Object: SPI-ENVMON

The FAN-POWER-ERROR alarm is raised when the power supply to the fan tray fails.

Clear the FAN-POWER-ERROR Alarm

This alarm is cleared when:

- The power supply to the fan tray is restored.
- Online Insertion and Removal (OIR) of the fan tray is performed.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

FAN-TRAY-ABSENT

Default Severity: Major (MJ), Non-Service-Affecting (NSA)

Logical Object: SPI-ENVMON

The FAN-TRAY-ABSENT alarm is raised when one or more fan trays are absent or removed from the chassis.

Clear the FAN-TRAY-REMOVAL Alarm

Insert the fan trays into the chassis.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

Flexo-LOF Alarm

Default Severity: Critical Logical Object: TRUNK

Flexo LOF alarm is raised when loss of alignment is detected on the Flexo frame for more than 3ms.

Clear the Flexo-LOF Alarm

Identify and correct the underlying cause of mis-alignment. The Flexo LOF (Loss of Frame) alarm is cleared when good alignment is detected on the Flexo frame for more than 3ms.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

Flexo-LOM Alarm

Default Severity: Critical Logical Object: TRUNK

Flexo LOM (Loss of Multi-Frame) is raised when loss of multi-frame alignment is detected on the Flexo multi-frame for more than 10ms

Clear the Flexo-LOM Alarm

Identify and correct the underlying cause of mis-alignment. The Flexo LOM alarm is cleared when good multi-frame alignment is detected on the Flexo multi-frame.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

Flexo-RDI Alarm

Default Severity: Not Reported

Logical Object: TRUNK

Flexo RDI is raised when trunk detected an incoming fault signal.

Clear the Flexo-RDI

The Flexo-RDI alarm is cleared when transmit-power is than -40.00 dBm on trunk.

FPD IN NEED UPGD

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: SPI-FPD

The FPD IN NEED UPGD alarm is raised when a newer FPD version in the FPD package is available on the FPD boot disk and the its internal memory has an outdated FPD version. A FPD package is stored on the boot disk and contains all the FPD images for each FPD on the platform for that Cisco IOS XR version. The FPDs run from images stored in its internal memory and not from the images inside the FPD package.

Clear the FPD IN NEED UPGD Alarm

This alarm is cleared when the correct FPD is upgraded using the **upgrade hw-module location** *location-id* **fpd** *fpd name* command. For more details, see the Manual FPD Upgrade section of the *System Setup and Software Installation Guide for Cisco NCS 1014*.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

GIDM Alarm

Default Severity: Critical Logical Object: TRUNK

The GIDM (Group ID Mismatch) alarm is raised when the received GID is not equal to the expected GID.

Clear the GIDM Alarm

The GIDM alarm is cleared when the received GID is equal to the expected GID on all the flexo group members. Ensure that the GID programmed on the remote trunk and local trunk ports match.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

HI-LASERBIAS Alarm

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: PPM

The HI-LASERBIAS alarm is raised when the physical pluggable port laser detects a laser bias value beyond the configured high threshold.

Clear the HI-LASERBIAS Alarm

Configure the threshold value within range if high laser bias threshold value is not within the threshold range.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

HI-RXPOWER Alarm

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: PPM

The HI-RXPOWER alarm occurs on the client optics controller when the measured individual lane optical signal power of the received signal exceeds the default or user-defined threshold. The HI-RXPOWER alarm occurs on the trunk optics controller when the total optical signal power of the received signal exceeds the default or user-defined threshold.

Clear the HI-RXPOWER Alarm

Configure the high receive power threshold value in range. If the value is within the range of the high receive power threshold, physically verify, that the optical input power is overcoming the expected power threshold using a standard power meter.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

HI-SER Alarm

Default Severity: Major Logical Object: CLIENT

The High Symbol Error Rate alarm is raised when 5560 or more errored FEC symbols are present in 8000 codewords.

Clear the HI-SER Alarm

Identify the cause of high FEC errors and clear them.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

HI-TXPOWER Alarm

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: PPM

The HI-TXPOWER alarm occurs on the client optics controller when the measured individual lane optical signal power of the transmitted signal exceeds the default or user-defined threshold. The HI-TXPOWER alarm occurs on the trunk optics controller when the total optical signal power of the transmitted signal exceeds the default or user-defined threshold.

Clear the HI-TXPOWER Alarm

Configure the high transmit power threshold in range. If the value is within the range of the high transmit power threshold, physically verify, that the optical output power is overcoming the expected power threshold using a standard power meter

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

IMPROPRMVL

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: LC/PPM

The IMPROPRMVL alarm is raised when a line card or PPM is removed without deleting its configuration.

Clear the IMPROPRMVL Alarm

To clear this alarm:

Step 1 Insert the line card or PPM.

Step 2 Before removing a line card or PPM from a slot, ensure that its configuration is deleted.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

Internal Loopback Configured

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: Controller Name

The Internal Loopback Configured alarm is raised when the user configures internal loopback.



Note

The loopback configuration can only be done when the controller is under maintenance mode.

Clear the Internal Loopback Configured Alarm

SUMMARY STEPS

1. This alarm is cleared when the user removes the internal loopback configuration.

DETAILED STEPS

This alarm is cleared when the user removes the internal loopback configuration.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

Invalid sensor read error

Default Severity: Minior(MN), Non Service-Affecting (NSA)

Logical Object: SPI-ENVMON

Invalid sensor read error alarm raised when the system is unable to retreive data from its sensors.

Clear the Invalid sensor read error Alarm

To clear this alarm, log in to the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html or call Cisco TAC (1 800 553-2447).

LC_BOOT_TIMEOUT

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: LC

The LC_BOOT_TIMEOUT Alarm is raised when the line card fails to boot in the expected amount of time or the line card modules do not boot correctly.

Clear the LC_BOOT_TIMEOUT Alarm

To clear this alarm:

Step 1 Remove and re-insert the line card.

Step 2 If re-inserting the line card does not clear the alarm, reload the line card using the **reload location** command.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

LC-DISCONNECTED

Default Severity: Major (MJ)

Logical Object: LC

The LC-DISCONNECTED alarm is raised when the Line Card Application (LCAPP) crashes or restarts.

Clear the LC-DISCONNECTED Alarm

Step 1 Check if the LC_BOOT_TIMEOUT alarm is cleared.

Step 2 Log in to the line card and verify if the LCAPP is running fine.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

LC_SEATED

Default Severity: Major (MJ), Non Service-Affecting (NSA)

Logical Object: LC

The LC-SEATED alarm is raised when the line card is not fully seated.

Clear the LC SEATED Alarm

To clear this alarm, reinsert the line card properly into the chassis.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

LC-SUDI-CERT-VERIFICATION-FAILURE

Default Severity: Major (MJ), Non-Service-Affecting (NSA)

Logical Object: LC

The LC-SUDI-CERT-VERIFICATION-FAILURE alarm is raised when the SUDI certificates are not programmed.

Clear the LC-SUDI-CERT-VERIFICATION-FAILURE Alarm

To clear the alarm, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html or call Cisco TAC (1 800 553-2447).

LICENSE-COMM-FAIL

Default Severity: Major(MJ), Non-Service-Affecting (NSA)

Logical Object: plat_sl_client

The LICENSE-COMM-FAIL alarm is raised when the device is not able to communicate with the Cisco license cloud server.

Clear LICENSE-COMM-FAIL Alarm

This alarm is cleared when the communication with the Cisco cloud license server is restored.

If the alarm does not clear, contact your Cisco account representative or log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

Line card missing

Default Severity: Critical (CR) ,Non-Service-Affecting(NSA)

Logical Object: SPI-ENVMON

The Line card missing alarm is raised when one or more line cards are missing on the chassis.

Clear the Line card missing Alarm

To clear this alarm:

Insert the line card or filler card in all the slots.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

Line loopback Configured

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: Controller Name

The Internal Loopback Configured alarm is raised when the user configures the line loopback.



Note

The loopback configuration can only be done when the controller is under maintenance mode.

Clear the Line Loopback Configured Alarm

SUMMARY STEPS

1. This alarm is cleared when the user removes the line loopback configuration.

DETAILED STEPS

This alarm is cleared when the user removes the line loopback configuration.

LOCAL-FAULT Alarm

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: CLIENT

The LOCAL-FAULT alarm is raised when a local fault character sequence is received in the incoming MAC

Clear the LOCAL-FAULT Alarm

Verify that the port receives proper MAC streams from the far-end router or switch.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

LOCAL-DEG-SER Alarm

Default Severity: Major Logical Object: CLIENT

The Local FEC DEG-SER (Degraded SER) alarm is received from remote end when it detects excessive FEC errors on the receiver side or when it sees AIS on the mapper ODU.

Clear the LOCAL-DEG-SER Alarm

This alarm is cleared when you clear the errors at the remote end.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

LO-RXPOWER Alarm

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: PPM

The LO-RXPOWER alarm is raised on the client or trunk optics controller when the measured individual lane optical signal power of the received signal falls below the default or user-defined threshold.

Clear the LO-RXPOWER Alarm

Step 1 Configure low receive power threshold in range.

Step 2 Or verify that the trunk-rx port is cabled correctly, and clean the fiber connecting the faulty TXP/MXP card to the drop port of the DWDM card.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

LO-TXPOWER Alarm

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: PPM

The LO-TXPOWER alarm is raised on the client or trunk optics controller when the measured individual lane optical signal power of the transmitted signal falls below the default or user-defined threshold.

Clear the LO-TXPOWER Alarm

Configure low transmit power threshold in range.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

LOS-P Alarm

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: TRUNK

The Loss of Signal Payload (LOS-P) alarm for the trunk layer indicates that the PPM does not receive any incoming payload signal. The purpose of the LOS-P alarm is to alert the user that optical power is not being received from the fiber. A common fault condition signaled by this alarm is a fiber cut. In this case, the payload and the overhead signals are not received.

In non-Optical Signal to Noise Ratio (OSNR) loaded links, the RX power threshold for LOS condition (as LOS is expected before the actual traffic) goes down approximately to –23 dBm.

Clear the LOS-P Alarm

Step 1 Verify that the trunk port is configured with the proper wavelength.

- **Step 2** Verify whether there is a loss of received optical power. Compare the actual power levels with the expected power range.
- **Step 3** Verify the fiber continuity to the port of NCS 1014 and fix the fiber connection.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

MEA Alarm

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: LC/PPM

The Mismatch Equipment Attributes (MEA) alarm for the Pluggable Port Module (PPM) or Quad Small Form-Factor Pluggable (QSFP) is raised when:

- There is a mismatch in the configured client data rate and the supported QSFP physical data rate.
- The inserted line card is not compatible with the configuration that is currently available in the slot.

Clear the MEA Alarm

- **Step 1** Verify the client data rate:
 - a) Verify the supported physical data rate of the QSFP on NCS 1014 using the **show inventory** command.
 - b) Verify the configured client data rate on NCS 1014 using the **show hw-module location** command.
 - c) If the above values do not match, insert the appropriate pluggable or configure the required client data rate.

For more details on configuring the client data rate, see *Configuring the Card Mode* chapter of the Configuration Guide for Cisco NCS 1014 guide.

Step 2 Physically verify the type of card and configure the slot with the desired card type.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

OSNR Alarm

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: TRUNK

The Optical Signal Noise Ratio (OSNR) alarm occurs when the measured OSNR falls below the threshold.

Clear the OSNR Alarm

- **Step 1** Verify the value of the minimum acceptable OSNR value of NCS 1014 using the **show controller optics R/S/I/P** command.
- Step 2 If the value is not within the OSNR threshold range, configure the minimum acceptable OSNR value using the **controller** optics R/S/I/P osnr-low-threshold command in the configuration mode. The range is 0 to 4000 (in units of 0.1db).
- **Step 3** If the value is within the range of the minimum acceptable OSNR, contact TAC.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

OUT OF COMPLIANCE

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: plat_sl_client

The OUT_OF_COMPLIANCE alarm is raised when one or more license entitlements is not in compliance. This state is seen when the license does not have an available license in the corresponding Virtual Account that the Cisco device is registered to, in the Cisco Smart Account.

Clear Out of Compliance Alarm

SUMMARY STEPS

1. To clear this alarm, enter into a compliance by adding the correct number and type of licenses to the Smart Account.

DETAILED STEPS

To clear this alarm, enter into a compliance by adding the correct number and type of licenses to the Smart Account.

If the alarm does not clear, contact your Cisco account representative or log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

PID-MISMATCH

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: SPI-ENVMON

The PID-MISMATCH alarm is raised when one AC and one DC PSU are connected.

Clear the PID-MISMATCH Alarm

To clear this alarm, ensure that both connected PSU's are either AC or DC.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

PORT_AUTO_TUNE_ERR_E

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: ESD

The PORT AUTO TUNE ERR E alarm is raised when the port auto-tuning fails.

Clear the PORT_AUTO_TUNE_ERR_E Alarm

Cisco IOS XR automatically detects and clears this alarm by resetting the port.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

PORT_INIT_ERR_E

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: ESD

The PORT INIT ERR E alarm is raised when the port initialization fails.

Clear the PORT_INIT_ERR_E Alarm

Cisco IOS XR automatically detects and clears this alarm by resetting the port.

POWER MODULE OUTPUT DISABLED

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: SPI-ENVMON

The POWER MODULE OUTPUT DISABLED alarm is raised power supply is not connected to the power

module.

Clear the POWER MODULE OUTPUT DISABLED Alarm

This alarm is automatically cleared when power supply is connected to the power module.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

POWER-MODULE-REDUNDANCY-LOST

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: SPI-ENVMON

The Power Group redundancy lost (POWER-MODULE-REDUNDANCY-LOST) alarm is raised if:

- the Power Supply Unit (PSU) is faulty or removed.
- the input PSU voltage goes beyond the working range of 180 to 264 volts for input high line (HL) and 90 to 140 volts for input low line (LL) nominal voltages.

Clear the POWER-MODULE-REDUNDANCY-LOST Alarm

To clear this alarm:

- Re-insert the power module and then connect the power supply to the module.
- If the alarm does not clear after re-inserting, replace the power module.
- Check the input voltage value of the PSU using the **show environment power** command.
- If the input voltage is beyond the working range, check the power supplied to the PSU.

Provisioning Failed Alarm

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: LC/Controller Name

The Provisioning Failed alarm is raised when invalid configuration is configured or invalid slice provisioning

is made on the controller.

Configuring the invalid CD-minimum value on the optics controller.

Clear the Provisioning Failed Alarm

Step 1 Verify whether the provisioning configurations are supported for the line card.

Step 2 Change it to supported configurations for the line card.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

Provisioning in Progress Alarm

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: LC

The Provisioning in Progress alarm is raised when the provisioning request is in progress on the line card.

Clear the Provisioning in Progress Alarm

Step 1 Verify the status of the alarm using the following debug command:

RP/0/RP0/CPU0:ios#show hw-module location '<0/n/NXR0>' mxponder

Step 2 Wait till the status changes to **Provisioned**.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

REMOTE-FAULT Alarm

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: CLIENT

The REMOTE-FAULT alarm is raised on the NCS 1014 when a remote fault character sequence is received in the incoming MAC stream.

Clear the REMOTE-FAULT Alarm

- **Step 1** Verify and resolve the client port fault and remote fault errors on the remote or upstream node.
- **Step 2** Verify and resolve loss of signal synchronization error on the remote or upstream node.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

REMOTE-DEG-SER Alarm

Default Severity: Major Logical Object: CLIENT

The remote FEC DEG-SER (Degraded SER) alarm is received from the remote Router when it sees Local Degraded SER on the receiver side.

Clear the REMOTE-DEG-SER Alarm

This alarm is cleared when you clear the errors at the remote end.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SIA_GRACE_PERIOD_REMAINING

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: plat_sl_client

The SIA_GRACE_PERIOD_REMAINING alarm is raised when a software innovation access(SIA) upgrade is allowed in the SIA upgrade license grace period is remaining.

Clear SIA Grace Period Remaining

SUMMARY STEPS

1. This alarm is cleared when Software Innovation Access(SIA) licenses are purchased.

DETAILED STEPS

This alarm is cleared when Software Innovation Access(SIA) licenses are purchased.

If the alarm does not clear, contact your Cisco account representative or log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SIA_UPGRADE_BLOCKED

Default Severity: Major(MJ), Service-Affecting (SA)

Logical Object: plat sl client

The SIA_UPGRADE_BLOCKED alarm is raised when Software Innovation Access(SIA) grace period has expired.

Clear SIA Grace Period Remaining

SUMMARY STEPS

1. This alarm is cleared when the SIA licences are purchase.

DETAILED STEPS

This alarm is cleared when the SIA licences are purchase.

If the alarm does not clear, contact your Cisco account representative or log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SIGLOSS Alarm

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: CLIENT

The Signal Loss on Data Interface (SIGLOSS) alarm is raised on the client-side QSFP when there is a loss of ethernet signal.

Clear the SIGLOSS Alarm

- **Step 1** Ensure that the port connection at the near end of the client peer router is operational.
- **Step 2** Verify fiber continuity to the port.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SPI_FLASH_CFG_INIT_ERR_E

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: ESD

The SPI_FLASH_CFG_INIT_ERR_E alarm is raised when there is an unsupported switch firmware version

present.

Clear the SPI_FLASH_CFG_INIT_ERR_E Alarm

Cisco IOS XR automatically detects and clears this alarm by resetting the Aldrin. If the alarm does not clear automatically:

- Restart the ESD process using the **process restart esd location 0/rp0/cpu0** command.
- Reload the rack using the reload location 0/rack command.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SQUELCHED Alarm

Default Severity: Not Alarmed (NA), Non-Service-Affecting (NSA)

Logical Object: CLIENT

Laser-squelching occurs on a QSFP pluggable when the upstream receive facility experiences loss of signal, loss of frame, flexo group indication mismatch, and OPU-CSF on client ports.

Clear the SQUELCHED Alarm

This alarm will be cleared when optical alarms clear.

SSD-ACCESS-ERROR

Default Severity: Critical (CR), Non-Service-Affecting(NSA)

Logical Object: Instorch

The SSD-ACCESS-ERROR is raised when the system cannot access the chassis SSD either because of chassis SSD corruption or if the chassis SSD has been removed.

Clear the SSD-ACCESS-ERROR Alarm

To clear this alarm:

- **Step 1** Re-insert the chassis SSD if it is not properly inserted.
- **Step 2** If the alarm does not clear after reinserting, replace the corrupt SSD on the chassis.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SWITCH_ALL_PORTS_DOWN_ERR_E

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: ESD

The SWITCH_ALL_PORTS_DOWN_ERR_E alarm is raised when all the switch ports are down.

Clear the SWITCH ALL PORTS DOWN ERR E Alarm

Cisco IOS XR automatically detects and clears this alarm by resetting the ports.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SWITCH_CFG_INIT_ERR_E

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: ESD

The SWITCH_CFG_INIT_ERR_E alarm is raised when the switch configuration fails.

Clear the SWITCH CFG INIT ERR E Alarm

Cisco IOS XR automatically detects and clears this alarm by resetting the switch.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SWITCH_CRITICAL_PORT_FAILED_E

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: ESD

The SWITCH CRITICAL PORT FAILED E alarm is raised when there is a critical port failure.

Clear the SWITCH_CRITICAL_PORT_FAILED_E Alarm

Cisco IOS XR automatically detects and clears this alarm by resetting the Aldrin. If the alarm does not clear automatically:

- Restart the ESD process using the **process restart esd location 0/rp0/cpu0** command.
- Reload the rack using the reload location 0/rack command.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SWITCH DMA ERR E

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: ESD

The SWITCH_DMA_ERR_E alarm is raised when the switch Direct Memory Access (DMA) engine fails.

Clear the SWITCH_DMA_ERR_E Alarm

Cisco IOS XR automatically detects and clears this alarm by resetting the switch.

SWITCH_EEPROM_INIT_ERR_E

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: ESD

The SWITCH EEPROM INIT ERR E alarm is raised when the Switch EEPROM initialization fails.

Clear the SWITCH_EEPROM_INIT_ERR_E Alarm

Cisco IOS XR automatically detects and clears this alarm by resetting the switch.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SWITCH_FDB_ERR_E

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: ESD

The SWITCH_FDB_ERR_E alarm is raised when the switch forwarding database (FDB) operation fails.

Clear the SWITCH_FDB_ERR_E Alarm

Cisco IOS XR automatically detects and clears this alarm by resetting the switch.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SWITCH_FDB_MAC_ADD_ERR_E

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: ESD

The SWITCH_FDB_MAC_ADD_ERR_E alarm is raised when the switch firmware is unable to add a MAC

address to its database.

Clear the SWITCH FDB MAC ADD ERR E Alarm

To clear this alarm, contact technical support by logging into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html or call Cisco TAC (1 800 553-2447).

SWITCH FIRMWARE BOOT FAIL E

Default Severity: Critical (CR), Non-Service-Affecting (NSA)

Logical Object: ESD

The SWITCH FIRMWARE BOOT FAIL E alarm is raised when the switch firmware boot fails.

Clear the SWITCH_FIRMWARE_BOOT_FAIL_E Alarm

This alarm can be cleared when the ESD auto clears the alarm by resetting the switch.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SWITCH_NOT_DISCOVERED_E

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: ESD

The SWITCH_NOT_DISCOVERED_E alarm is raised when the switch is not discovered on the Peripheral Component Interconnect express (PCIe) bus.

Clear the SWITCH_NOT_DISCOVERED_E Alarm

Cisco IOS XR automatically detects and clears this alarm by resetting the switch.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

SWITCH_RESET_RECOVERY_FAILED_E

Default Severity: Critical (CR), Service-Affecting (SA)

Logical Object: ESD

The SWITCH_RESET_RECOVERY_FAILED_E alarm is raised when the Switch Reset operation does not recover the switch.

Clear the SWITCH_RESET_RECOVERY_FAILED_E Alarm

Cisco IOS XR automatically detects and clears this alarm by reloading the card using the reload cpu0/rp0 command.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

TD-FAILED

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: Controller OMS

The TD-FAILED alarm is raised when the Tone Detection fails.

Clear the TD-FAILED Alarm

Stop Tone Detection on the corresponding controller using the **tone-pattern-detect controller ots** R/S/I/P **stop** command.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

TD-INPROGRESS

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: Controller OMS

The TD-INPROGRESS alarm is raised when the Tone Detection is in progress.

Clear the TD-INPROGRESS Alarm

This alarm is cleared automatically when Tone Detection is completed successfully.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

TD-SUCCESS

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object:Controller OMS

The TD-SUCCESS alarm is raised when Tone Detection is completed successfully.

Clear the TD-SUCCESS Alarm

Stop Tone Detection on the corresponding controller using the **tone-pattern-detect controller ots** R/S/I/P **stop** command.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

TEMPERATURE

Default Severity: Critical (CR), Minor (MN), Non-Service-Affecting (NSA), Service Affecting (SA)



Note

The severity of the alarm is determined by the temperature values detected by the sensor.

Logical Object: LC

The TEMPERATURE alarm is raised when the temperature of a sensor exceeds the normal operating range because of any of the following reasons:

- · One or more fans stops working.
- Inadequate airflow.
- Environmental temperature of the room is abnormally high.

The alarm appears in the following format:

• [sensor name]: temperature alarm.

Clear the TEMPERATURE Alarm

Step 1 Check the fan speed and temperature values using the **show environment** command.

- **Step 2** Check environmental temperature of the room is not abnormally high.
- **Step 3** Ensure that:
 - a) There are no airflow obstructions.
 - b) Fans are working fine.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

TIM Alarm

Default Severity: Critical, Service-Affecting (SA)

Logical Object: TRUNK

The Trail Trace Identifier Mismatch (TIM) alarm is raised when the expected TTI string does not match the received TTI string.

Clear the TIM Alarm

Identify the cause for different expected and received TTI strings and resolve. The TIM mismatch can be caused due to mismatch in fiber connections.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

UPGRADE_LICENSE_GRACE_PERIOD_REMAINING

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: plat_sl_client

The UPGRADE_LICENSE_GRACE_PERIOD_REMAINING alarm is raised when a software upgrade is allowed in the upgrade license grace period.

UPGRADE_LICENSE_GRACE_PERIOD_REMAINING

Default Severity: Minor (MN), Non-Service-Affecting (NSA)

Logical Object: plat sl client

The UPGRADE_LICENSE_GRACE_PERIOD_REMAINING alarm is raised when a software upgrade is allowed in the upgrade license grace period.

[Low | High] Voltage

Default Severity: Critical (CR), Minor (MN), Non-Service-Affecting (NSA), Service Affecting (SA)



Note

The severity of the alarm is determined by the voltage values detected by the sensor.

Logical Object: LC

A [Low | High] Voltage is raised when one of the internal voltage measurement is not within the operating range. Following are the formats of the alarms along with their descriptions:

- [sensor name]: high voltage alarm is raised when the voltage is high and not within the operating range.
- [sensor name]: low voltage alarm is raised when the voltage is low and not within the operating range.

Clear the [Low | High] Voltage Alarm

Verify the voltage of the power source. The voltage alarms clear automatically when the voltage is within the operating conditions. The voltage rating value varies depending on the standards of different countries for AC and DC power ranges.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

UNC-WORD Alarm

Default Severity: Not Alarmed (NA), Non-Service-Affecting (NSA)

Logical Object: TRUNK

The Uncorrected FEC Word (UNC-WORD) condition is raised when the FEC is unable to correct the frame.

Clear the UNC-WORD Alarm

- **Step 1** Ensure that the fiber connector for the card is completely plugged in.
- **Step 2** Ensure that the ports on the far end and near end nodes have the same port rates and FEC settings.
- **Step 3** If the BER threshold is correct and at the expected level, use an optical test set to measure the power level of the line to ensure it is within guidelines. For specific procedures to use the test set equipment, consult the manufacturer.
- **Step 4** If the optical power level is good, verify that the optical receive levels are within the acceptable range.
- **Step 5** If the condition does not clear, verify that a single-mode fiber is used.
- **Step 6** Clean the fiber connectors at both ends for a signal degrade.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

UNSTABLE_LINK_E

Default Severity: Major (MJ), Service-Affecting (SA)

Logical Object: ESD

The UNSTABLE_LINK_E alarm is raised when there is an unstable link with high number of UP and DOWN state changes.

Clear the UNSTABLE_LINK_E Alarm

Cisco IOS XR automatically detects and clears this alarm by resetting the port.

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

USB 0 Overcurrent Error

Default Severity: Severity: Major (MJ), Non Service-Affecting (NSA)

Logical Object: RP

The USB 0 Overcurrent Error alarm is raised when the over current is observed on USB0.

Clear the USB 0 Overcurrent Error Alarm

This alarm is cleared automatically when the over current is removed for USB

If the alarm does not clear, log into the Technical Support Website at http://www.cisco.com/c/en/us/support/index.html for more information or call Cisco TAC (1 800 553-2447).

USB 1 Overcurrent Error

Default Severity: Severity: Major (MJ), Non Service-Affecting (NSA)

Logical Object: RP

The USB 1 Overcurrent Error alarm is raised when the over current is observed on USB 1.

Clear the USB 1 Overcurrent Error Alarm

This alarm is cleared automatically when the over current is removed for USB



General Troubleshooting

This chapter provides procedures for troubleshooting the most common problems encountered when operating the NCS 1014 chassis. To troubleshoot specific alarms, see the Alarm Troubleshooting chapter. If you cannot find what you are looking for, contact Cisco Technical Support (1 800 553-2447).

- Capture Logs, on page 35
- Using Onboard Failure Logging, on page 36

Capture Logs

When troubleshooting NCS 1014 issues, your technical support representative needs certain information about the situation and the symptoms that you are experiencing. To speed up the problem isolation and resolution process, collect the necessary data before you contact your representative.

To collect all debugging information, perform these steps:

.

Step 1 show logging

Displays the contents of the logging buffers. You can also view details of FPD upgrade failures.

Example:

```
RP/0/RP0/CPU0:ios# show logging
Fri Nov 26 15:03:48.886 UTC
Syslog logging: enabled (0 messages dropped, 0 flushes, 0 overruns)
   Console logging: Disabled
   Monitor logging: level debugging, 0 messages logged
   Trap logging: level informational, 0 messages logged
   Buffer logging: level debugging, 1025 messages logged
Log Buffer (2097152 bytes):
RP/0/RP0/CPU0:Nov 25 16:40:28.533 UTC: syslogd[155]: %SECURITY-XR SSL-6-INFO : XR SSL info: Setting
RP/0/RP0/CPU0:Nov 25 16:40:36.323 UTC: cfgmgr-rp[120]: %MGBL-CONFIG-7-INTERNAL : Configuration Manager
was unable to find subtree for 'sh p service role daemon' partition. : cfgmgr-rp : (PID=2522) :
-Traceback= 7f1be3f92420 7f1be4bd0c6 7f1be4bd208 7f1be4bd74a4 7f1be4bd7e45 7f1be4bdb972 7f1be4bd7f0e
55e025a46170 55e025a42429 55e025a3168f
RP/0/RP0/CPU0:Nov 25 16:40:36.457 UTC: aib[291]: Registering with IM
RP/0/RP0/CPU0:Nov 25 16:40:36.661 UTC: cma partner[350]: Packet received on undiscovered module 160
RP/0/RP0/CPU0:Nov 25 16:40:37.113 UTC: ifmgr[142]: platform pfi_ifh_get_if_alloc_info: Setting pic
```

Step 2 show tech-support ncs1014

Creates a .tgz file that contains the dump of the configuration and show command outputs. This file provides system information for the Cisco Technical Support.

Example:

Step 3 show tech-support install

Collects the Cisco support file for the installation information. By default, the output of this command is saved on the NCS 1014 hard disk in a file with .tgz extension. Similarly, other show-tech-support commands can be used to gather data for a specific area.

Example:

```
RP/0/RP0/CPU0:N112#show tech-support install
++ Show tech start time: 2023-Dec-07.062636.UTC ++
Thu Dec 7 06:26:37 UTC 2023 Waiting for gathering to complete
....
Thu Dec 7 06:32:48 UTC 2023 Compressing show tech output
Show tech output available at 0/RP0/CPU0:
/harddisk:/showtech/showtech-N112-install-2023-Dec-07.062636.UTC.tgz
++ Show tech end time: 2023-Dec-07.063258.UTC ++
```

Using Onboard Failure Logging

Onboard Failure Logging (OBFL) collects and stores boot, environmental, and critical hardware data in the nonvolatile flash memory of the CPU controller card. This information is used for troubleshooting, testing, and diagnosis if a failure or other error occurs. This data provides improved accuracy in hardware troubleshooting and root cause isolation analysis. The data collected includes field-replaceable unit (FRU) serial number, OS version, total run time, boot status, temperature and voltage at boot, temperature and voltage history, and other board specific errors.

```
show logging onboard {fmea | inventory | temperature | uptime | voltage}
```

Displays OBFL data.

Example:

The following example shows the *uptime* information.

```
sysadmin-vm:0_RP0# show logging onboard uptime
OBFL Uptime Information For : 0/RP0
```

```
* indicates incomplete time-sync while record was written
      ! indicates time reset backwards while system was running
     UPTIME CARD INFORMATION
     Entity Name
                            : Value
    Previous Chassis SN
                           : CAT2311B0C5
     Current Chassis SN
                           : CAT2311B0CM
                           : 0/0/0
     Previous R/S/I
     Current R/S/I
                            : 0/0/0
     Write Interval
                            : 15 (min)
     First Power On TS
                           : 07/30/2019 07:33:56
                           : --/--/---- --:--:--
     Last Erase TS
                           : 8
     Rack Change Count
     Slot Change Count
                            : 8
     UPTIME INFORMATION
 ______
  Start Time (UTC) | End Time (UTC) | Card Uptime info
  mm/dd/yyyy hh:mm:ss | mm/dd/yyyy hh:mm:ss | Weeks.Days.Hrs.Min.Sec
 ______
  10/28/2021 12:23:17 | 11/14/2021 21:09:18 | 2.3.8.46.1
  11/14/2021 21:09:18 | 11/18/2021 16:31:15 | 0.3.19.21.57
  11/18/2021 16:31:15 | 11/18/2021 21:10:35 | 0.0.4.39.20
  11/18/2021 21:10:35 | 11/19/2021 12:40:39 | 0.0.15.30.4
  11/19/2021 12:40:39 | 11/19/2021 14:16:10 | 0.0.1.35.31
  11/19/2021 14:16:10 | 11/22/2021 11:49:20 | 0.2.21.33.10
  11/22/2021 11:49:20 | 11/22/2021 22:51:48 | 0.0.11.2.28
  11/22/2021 22:51:48 | 11/23/2021 17:17:41 | 0.0.18.25.53
  11/24/2021 21:22:12 | 11/24/2021 23:11:16 | 0.0.1.49.4
  11/24/2021 23:11:16 | 11/24/2021 23:39:49 | 0.0.0.28.33
  11/24/2021 23:39:49 | 11/25/2021 15:25:32 | 0.0.15.45.43
  11/25/2021 15:25:32 | 11/25/2021 16:10:05 | 0.0.0.44.33
  11/25/2021 16:10:05 | 11/25/2021 16:25:08 | 0.0.0.15.3
  11/25/2021 16:25:08 | 11/25/2021 16:37:18 | 0.0.0.12.10
  11/25/2021 16:37:18 | 11/26/2021 15:08:27 | 0.0.22.31.9
OBFL Uptime Information For : 0/SCO
     * indicates incomplete time-sync while record was written
     ! indicates time reset backwards while system was running
     UPTIME CARD INFORMATION
     Entity Name
                            : Value
 ______
     Previous Chassis SN
                            : CAT2311B0CM
     Current Chassis SN
                            : -/-/-
     Previous R/S/I
     Current R/S/I
                           : 0/1/0
                           : 15 (min)
     Write Interval
     First Power On TS
                           : 06/07/2019 08:52:42
     Last Erase TS
                            : --/--/----
     Rack Change Count
                            : 0
     Slot Change Count
                            : 0
 ______
     UPTIME INFORMATION
  Start Time (UTC) | End Time (UTC) | Card Uptime info
  mm/dd/yyyy hh:mm:ss | mm/dd/yyyy hh:mm:ss | Weeks.Days.Hrs.Min.Sec
```

```
10/24/2021 05:48:29 | 10/24/2021 06:27:51 | 0.0.0.39.22 10/24/2021 06:27:51 | 10/24/2021 07:05:24 | 0.0.0.37.33 10/24/2021 07:05:24 | 10/26/2021 23:43:32 | 0.2.16.38.8 10/26/2021 23:43:32 | 10/26/2021 23:55:49 | 0.0.0.12.17 10/26/2021 23:55:49 | 10/27/2021 00:09:49 | 0.0.0.14.0 10/27/2021 00:09:49 | 10/27/2021 00:16:08 | 0.0.0.6.19 10/27/2021 00:16:08 | 10/27/2021 23:37:51 | 0.0.23.21.43 10/27/2021 23:37:51 | 10/27/2021 23:37:51 | 0.0.23.21.43 10/27/2021 23:37:51 | 10/27/2021 23:37:51 | 0.0.23.21.43 10/27/2021 23:37:51 | 11/24/2021 23:31:16 | 11/24/2021 23:31:16 | 0.0.11.49.4 11/24/2021 23:39:49 | 11/25/2021 15:25:32 | 0.0.01.5.43 11/25/2021 15:25:32 | 11/25/2021 16:10:05 | 0.0.0.44.33 11/25/2021 16:10:05 | 11/25/2021 16:25:08 | 0.0.0.15.3 11/25/2021 16:25:08 | 11/25/2021 16:37:18 | 0.0.0.12.10 11/25/2021 16:37:18 | 11/26/2021 15:09:27 | 0.0.22.32.9
```