CHAPTER 28

Conditions

This chapter lists the conditions for TL1 commands and autonomous messages for the Cisco NCS 2002 and Cisco NCS 2006.. These conditions are listed below.

Conditions include any problem detected on an Cisco NCS 2002 or Cisco NCS 2006. shelf. They can include standing or transient notifications. A snapshot of all current raised, standing conditions on the network, node, or card can be retrieved in the Cisco Transport Controller (CTC) Conditions window or using the RTRV-COND commands. (In addition, some but not all cleared conditions are also found in the History tab in CTC.)

Table 28-1   Conditions

Condition	Description
AIS	Alarm Indication Signal
AIS-L	Alarm Indication Signal—Line
ALS	Automatic Laser Shutdown
AMPLI-INIT	Optical Amplifier Initialization
APC-DISABLED	Automatic Power Control Disabled
APC-FAIL	Automatic Power Control Failure
APSB	Byte Failure
APSC-IMP	Improper Automatic Protection Switch (APS) Code
APSCDFLTK	Default K Byte
APSCINCON	Inconsistent APS Code
APSCM	Protection Switching Channel Match Failure
APSCNMIS	Node ID Mismatch
APSIMP	APS Invalid Mode
APSMM	APS Mode Mismatch
AS-CMD	Alarms Suppressed By User Command
AS-MT	Alarms Suppressed For Maintenance
AU-AIS	AIS—Administration Unit—Alarm Indication Signal

Table 28-1   Conditions

Condition	Description
AU-LOF	LOF—Administration Unit—Loss of Multi Frame
AU-LOP	LOP—Administration Unit—Loss of Pointer
AUD-LOG-LOSS	Audit Log 100 Percent Full—Oldest records will be lost
AUD-LOG-LOW	Audit Log 80 Percent Full
AUTOLSROFF	Automatic Laser Shutoff Due To High Temperature
AUTORESET	Automatic System Reset
AUTOSW-AIS-SNCP	Automatic SNCP Switch caused by AIS
AUTOSW-LOP-SNCP	Automatic SNCP Switch Caused By LOP
AUTOSW-PDI-SNCP	Automatic SNCP Switch Caused By PDI
AUTOSW-SDBER-SNCP	Automatic SNCP Switch Caused By SDBER
AUTOSW-SFBER-SNCP	Automatic SNCP Switch Caused By SFBER
AUTOSW-UNEQ-SNCP	Automatic SNCP Switch Caused By UNEQ
AWG-DEG	AWG Temperature Degrade
AWG-FAIL	AWG Temperature Failure
AWG-OVERTEMP	AWG Over-Temperature
AWG-WARM-UP	AWG Warm Up
BAT-FAIL	Battery Failure
BAT-HGH-VLT	High Volt
BAT-LOW-VLT	Low Volt
BKUPMEMP	Primary Non-Volatile Backup Memory Failure
CARLOSS	Carrier Loss On The LAN
CASETEMP-DEG	Case Temperature Degrade
CKTDOWN	Signaling unable to set up circuit
CLDRESTART	Cold Restart
COMIOXC	IO Slot To XCON Communication Failure
COMM-FAIL	Plug-in Module Communication Failure
CONTBUS-A-18	TCC A To DCC A Processor Communication Failure

Table 28-1   Conditions

Condition	Description
CONTBUS-B-18	TCC B To DCC B Processor Communication Failure
CONTBUS_A	Controller A To Shelf Slot Communication Failure
CONTBUS_B	Controller B To Shelf Slot Communication Failure
CTNEQPT-MISMATCH	Connection Equipment Mismatch
CTNEQPT-PBPROT	Interconnection Equipment Failure—Protect XC Payload Bus
CTNEQPT-PBWORK	Interconnection Equipment Failure—Working XC Payload Bus
DATAFLT	Software Fault—Data Integrity Fault
DBOSYNC	Standby Database Out of Sync
DS3-MISM	DS3 Frame Format Mismatch
DSP-COMM-FAIL	DSP Communication Failure
DSP-FAIL	DSP Failure
DUP-IPADDR	IP address already in use within the same DCC Area
DUP-NODENAME	Node name already in use within the same DCC area
E-W-MISMATCH	Both Ends Of Fiber Provisioned As East Or Both As West
E3-ISD	E3 Idle Condition
EHIBATVG	Extreme High Volt
ELWBATVG	Extreme Low Volt
EOC	RS-DCC Termination Failure
EQPT	Equipment Failure
EQPT-MISS	Replaceable Equipment/Unit is Missing
ERFI-P-CONN	Enhanced Remote Failure Indication—Path—Connectivity
ERFI-P-PAYLD	Enhanced Remote Failure Indication—Path—Payload
ERFI-P-SRVR	Enhanced Remote Failure Indication—Path—Server
ERROR-CONFIG	Error in Startup Configuration
ETH-LINKLOSS	Rear Panel Ethernet Link Removed
EXCCOL	Excess Collisions On The LAN
EXERCISE-RING-FAIL	Exercise Request on Ring Failed

Table 28-1   Conditions

Condition	Description
EXERCISE-RING-REQ	Exercise Request on Ring
EXERCISE-SPAN-FAIL	Exercise Request on Span Failed
EXERCISE-SPAN-REQ	Exercise Request on Span
EXT	Failure Detected External To The NE
EXTRA-TRAF-PREEMPT	Extra Traffic Preempted
FAILTOSW	Failure To Switch To Protection
FAILTOSW-HO	Failure To Switch To Protection—High Order Path
FAILTOSW-LO	Failure To Switch To Protection—Low Order Path
FAILTOSWR	Failure To Switch To Protection—Ring
FAILTOSWS	Failure To Switch To Protection—Span
FAN	Fan Failure
FANDEGRADE	Partial Fan Failure
FE-AIS	Far End AIS
FE-DS1-MULTLOS	Far End Multiple DS1 LOS Detected On DS3
FE-DS1-NSA	Far End DS1 Equipment Failure—Non Service Affecting
FE-DS1-SA	Far End DS1 Equipment Failure—Service Affecting
FE-DS1-SNGLLOS	Far End Single DS1 LOS
FE-DS3-NSA	Far End DS3 Equipment Failure—Non Service Affecting
FE-DS3-SA	Far End DS3 Equipment Failure—Service Affecting
FE-E1-MULTLOS	Far end multiple E1 LOS detected on E3
FE-E1-NSA	Far end E1 eqpt fail non service affecting
FE-E1-SA	Far end E1 eqpt fail service affecting
FE-E1-SNGLLOS	Far end signal E1 LOS
FE-E3-NSA	Far end E3 eqpt fail non service affecting
FE-E3-SA	Far end E3 eqpt fail service affecting
FE-EQPT-NSA	Far End Common Equipment Failure—Non Service Affecting
FE-EXERCISING-RING	Far End Exercising Ring

Table 28-1   Conditions

Condition	Description
FE-EXERCISING-SPAN	Far End Exercising Span
FE-FRCDWKSWPR-RING	Far End Working Facility Forced To Switch To Protection—Ring
FE-FRCDWKSWPR-SPAN	Far End Working Facility Forced To Switch To Protection—Span
FE-IDLE	Far End IDLE
FE-LOCKOUTOFPR-ALL	Far End Lockout Of Protection—All Spans
FE-LOCKOUTOFPR-RING	Far End Lockout Of Protection—Ring
FE-LOCKOUTOFPR-SPAN	Far End Lockout Of Protection—Span
FE-LOCKOUTOFWK-RING	Far End Lockout Of Working—Ring
FE-LOCKOUTOFWK-SPAN	Far End Lockout Of Working—Span
FE-LOF	Far End LOF
FE-LOS	Far End LOS
FE-MANWKSWPR-RING	Far End Manual Switch Of Working Facility To Protection—Ring
FE-MANWKSWPR-SPAN	Far End Manual Switch Of Working Facility To Protection—Span
FE-SDPRLF	APS Channel—Far End Protection Line Signal Degrade
FEC-MISM	FEC Mismatch
FEPRLF	Far End Protection Line Failure
FIBERTEMP-DEG	Fiber Temperature Degrade
FORCED-REQ	Forced Switch Request
FORCED-REQ-RING	Forced Switch Request On Ring
FORCED-REQ-SPAN	Forced Switch Request On Span
FRCDSWTOINT	Forced Switch To Internal Clock
FRCDSWTOPRI	Forced Switch To Primary Reference
FRCDSWTOSEC	Forced Switch To Second Reference
FRCDSWTOTHIRD	Forced Switch To Third Reference
FRNGSYNC	Free Running Synchronization Mode
FSTSYNC	Fast Start Synchronization Mode

Table 28-1   Conditions

Condition	Description
FULLPASSTHR-BI	Bidirectional Full Pass Through Is Active
GAIN-HDEG	Optical Amplifier Gain Degrade High
GAIN-HFAIL	Optical Amplifier Gain Failure High
GAIN-LDEG	Optical Amplifier Gain Degrade Low
GAIN-LFAIL	Optical Amplifier Gain Failure Low
GCC-EOC	GCC Termination Failure
GE-OOSYNC	Gigabit Ethernet Out of Sync
HI-LASERBIAS	Equipment High Laser Bias
HI-RXPOWER	Equipment High Receive Power
HI-TXPOWER	Equipment High Transmit Power
HITEMP	High Temperature
HLDOVRSYNC	Holdover Synchronization Mode
HP-RFI	Remote Failure Indication—High Order—Remote Failure/Alarm Indication
HP-TIM	High Order—Trace Identifier Mismatch Failure
HP-UNEQ	Signal Label Mismatch Failure (SLMF)—Unequipped High Order—Path Unequipped
I-HITEMP	Industrial High Temperature
IMPROPRMVL	Improper Removal
INC-GFP-OUTOFFRAME	Out Of Frame Detected by Generic Framing Protocol (GFP) Receiver
INC-GFP-SIGLOSS	Client Signal Loss Frames Detected by GFP Receiver
INC-ISD	DS3 Idle Condition
INC-SIGLOSS	Incoming Signal Loss on Fibre Channel Interface
INC-SYNCLOSS	Incoming Synchronization Loss on Fibre Channel Interface
INC_GFP_SYNCLOSS	Client Synchronization Loss Frames Detected by GFP Receiver
INHSWPR	Inhibit Switch To Protect Request On Equipment
INHSWWKG	Inhibit Switch To Working Request On Equipment
INTRUSION-PSWD	Security Intrusion Attempt Detected—See Audit Log
INVMACADR	Invalid MAC Address

Table 28-1   Conditions

Condition	Description
IOSCFGCOPY	Ios Config Copy In Progress
KB-PASSTHR	K Bytes Pass-Through Is Active
KBYTE-APS-CHANNEL-FAILURE	Kbyte Channel Failure
LAN-POL-REV	Lan Connection Polarity Reversed
LASER-APR	Laser Auto Power Reduction
LASERBIAS-DEG	Laser Bias Degrade
LASERBIAS-FAIL	Laser Bias Failure
LASEREOL	Laser Approaching End of Life
LASERTEMP-DEG	Laser Temperature Degrade
LKOUTPR-R	Lockout Of Protection—Ring
LKOUTPR-S	Lockout Of Protection—Span
LKOUTWK-R	Lockout Of Working—Ring
LKOUTWK-S	Lockout Of Working—Span
LMP-HELLODOWN	Link Management Protocol (LMP) Hello FSM to Control Channel down
LMP-NDFAIL	LMP Neighbor Discovery has failed
LO-RXPOWER	Equipment Low Receive Power
LO-TXPOWER	Equipment Low Transmit Power
LOA	Loss of Alignment
LOC	Loss of Channel
LOCKOUT-REQ	Lockout Switch Request On Facility or Equipment
LOCKOUT-REQ-RING	Lockout Switch Request On Ring
LOCKOUTOFPR	Lockout Of Protection
LOF	Loss Of Frame
LOM	Loss of Multi-Frame
LOS	Loss Of Signal
LOS-CONT	Loss Of Continuity
LP-PLM	Signal Label Mismatch Failure (SLMF)—PLM Low Order—Path Label Mismatch
LP-RFI	RFI—Low Order—Remote Failure/Alarm Indication
LP-TIM	TIM Low Order—Trace Identifier Mismatch Failure

Table 28-1   Conditions

Condition	Description
LP-UNEQ	Signal Label Mismatch Failure (SLMF)—Unequipped Low Order—Path Unequipped
LPBKCRS	Cross-connect Loopback
LPBKDS1FEAC	DS1 Loopback Due To Far End Alarm and Control (FEAC) Command
LPBKDS3FEAC	DS3 Loopback Due To FEAC Command
LPBKDS3FEAC-CMD	DS3 Loopback Command Sent To Far End
LPBKE1FEAC	E1 loopback due to FEAC command
LPBKE3FEAC	E3 loopback due to FEAC command
LPBKE3FEAC-CMD	E3 loopback command sent to far end
LPBKFACILITY	Facility Loopback
LPBKTERMINAL	Terminal Loopback
MAN-REQ	Manual Switch Request
MANRESET	Manual System Reset
MANSWTOINT	Manual Switch To Internal Clock
MANSWTOPRI	Manual Switch To Primary Reference
MANSWTOSEC	Manual Switch To Second Reference
MANSWTOTHIRD	Manual Switch To Third Reference
MANUAL-REQ-RING	Manual Switch Request On Ring
MANUAL-REQ-SPAN	Manual Switch Request On Span
MEA	Mismatch Of Equipment And Attributes
MEM-GONE	Free Memory On Card Near Zero
MEM-LOW	Free Memory On Card Very Low
MFGMEM	Manufacturing Data Memory (EEPROM Failure)
MS-AIS	AIS—Multiplex Section—Alarm Indication Signal
MS-EOC	Multiplex Section DCC Termination Failure
MS-RFI	RFI—Multiplex Section—Remote Failure/Alarm Indication
MSSP-OOSYNC	Procedural Error—MS-SPRing out of sync
NO-CONFIG	No Startup Configuration
NTWTPINC	Network Topology Incomplete

Table 28-1   Conditions

Condition	Description
OCHNC-ACTIV-FAIL	Optical Channel Activation Failure
OCHNC-DEACTIV-FAIL	Optical Channel Deactivation Failure
OCHNC-FAIL	Optical Channel Connection Failure
OCHNC-INC	Optical Channel Incomplete
ODUK-AIS-PM	ODUk: Alarm Indication Signal
ODUK-BDI-PM	ODUk: PM Backward Defect Indication
ODUK-LCK-PM	ODUk: Locked Defect —Performance Monitoring (PM)
ODUK-OCI-PM	ODUk: Open Connection Indication
ODUK-SD-PM	ODUk: Signal Degrade
ODUK-SF-PM	ODUk: Signal Failure
ODUK-TIM-PM	ODUk: Trail Trace Identifier Mismatch
OOU-TPT	Out of Use—Transport Failure
OPTNTWMIS	Optical Network Type Mismatch
OPWR-HDEG	Optical Power Degrade High
OPWR-HFAIL	Optical Power Failure High
OPWR-LDEG	Optical Power Degrade Low
OPWR-LFAIL	Optical Power Failure Low
OTUK-AIS	OTUk: Alarm Indication Signal
OTUK-BDI	OTUk: Backward Defect Indication
OTUK-LOF	OTUk: Loss Of Frame
OTUK-SD	OTUk: Signal Degrade
OTUK-SF	OTUk: Signal Failure
OTUK-TIM	OTUk: Trail Trace Identifier Mismatch
OUT-OF-SYNC	8B10B Out of Sync
PDI-P	Payload Defect Indication—Path
PEER-NORESPONSE	Peer Card Not Responding
PORT-CODE-MISM	Pluggable port security code mismatch
PORT-COMM-FAIL	Module Communication Failure
PORT-MISMATCH	Pluggable port rate mismatch
PORT-MISSING	Pluggable port missing
PRC-DUPID	Duplicate Node ID
PROTNA	Protection Unit Not Available

Table 28-1   Conditions

Condition	Description
PTIM	Payload Type Identifier Mismatch
PWR-REDUN	Redundant Power Capability Lost
RAI	Remote Alarm Indication
RCVR-MISS	Facility Termination Equipment—Receiver Missing
RFI	Remote Failure Indication
RFI-L	Remote Failure Indication—Line
RING-ID-MIS	Ring Id Mismatch
RING-MISMATCH	Far End Of Fiber Is Provisioned With Different Ring ID
RING-SW-EAST	Ring Switch Is Active On The East Side
RING-SW-WEST	Ring Switch Is Active On The West Side
RSVP-HELLODOWN	RSVP Hello FSM to Neighbor down
RUNCFG-SAVENEED	Need to Save Running Config
SD	Signal Degrade
SD-L	Bit Error Rate (BER) Threshold Exceeded For Signal Degrade—Line
SDBER-EXCEED-HO	BER Threshold Exceeded For Signal Degrade—High Order
SF	Signal Failure
SF-L	BER Threshold Exceeded For Signal Failure—Line
SFBER-EXCEED-HO	BER Threshold Exceeded For Signal Failure—High Order
SFTWDOWN	Software Download In Progress
SH-INS-LOSS-VAR-DEG-HIGH	Shutter Insertion Loss Variation Degrade High
SH-INS-LOSS-VAR-DEG-LOW	Shutter Insertion Loss Variation Degrade Low
SHUTTER-OPEN	Shutter Open
SNTP-HOST	Simple Network time Protocol (SNTP) Host Failure
SPAN-SW-EAST	Span Switch Is Active On The East Side
SPAN-SW-WEST	Span Switch Is Active On The West Side
SQM	Sequence Mismatch
SQUELCH	Ring Is Squelching Traffic
SQUELCH-PATH	Squelching Path

Table 28-1   Conditions

Condition	Description
SQUELCHED	Equipment Squelched
SSM-DUS	Do Not Use For Synchronization
SSM-FAIL	Failed To Receive Synchronization Status Message
SSM-LNC	ITU-T G.812—Local Node Clock traceable
SSM-OFF	Synchronization Status Messages Are Disabled On This Interface
SSM-PRC	ITU-T G.811—Primary Reference Clock traceable
SSM-PRS	Stratum 1 Primary Reference Source Traceable
SSM-RES	Reserved For Network Synchronization Use
SSM-NCS-TN	ITU-T G.812—Transit Node Clock traceable
SSM-SETS	ITU-T G.813—Synchronous Equipment Timing Source traceable
SSM-SMC	NCS Minimum Clock Traceable
SSM-ST2	Stratum 2 Traceable
SSM-ST3	Stratum 3 Traceable
SSM-ST3E	Stratum 3E Traceable
SSM-ST4	Stratum 4 Traceable
SSM-STU	Synchronized—Traceability Unknown
SSM-TNC	Transit Node Clock Traceable
SWMTXMOD	Switching Matrix Module Failure
SWTOPRI	Switch To Primary Reference
SWTOSEC	Switch To Second Reference
SWTOTHIRD	Switch To Third Reference
SYNC-FREQ	Synchronization Reference Frequency Out Of Bounds
SYNCPRI	Primary Synchronization Reference Failure
SYNCSEC	Secondary Synchronization Reference Failure
SYNCTHIRD	Third Synchronization Reference Failure
SYSBOOT	System Reboot
TIM	TIM Section—Trace Identifier Mismatch Failure
TIM-MON	TIM Section Monitor—Trace Identifier Mismatch Failure

Table 28-1   Conditions

Condition	Description
TPTFAIL	Transport layer failure
TRMT	Transmit Failure
TRMT-MISS	Facility Termination Equipment—Transmitter Missing
TU-AIS	AIS—Tributary Unit—Alarm Indication Signal
TU-LOP	LOP—Tributary Unit—Loss of Pointer
TUNDERRUN	Ethernet Transmit First In First Out Underrun
TX-AIS	Alarm Indication Signal in TX
TX-RAI	Remote Alarm Indication in TX
UNC-WORD	FEC Uncorrected Word
VCG-DEG	VCAT Group Degraded
VCG-DOWN	VCAT Group Down
VOA-HDEG	Variable Optical Attenuator Degrade High
VOA-HFAIL	Variable Optical Attenuator Failure High
VOA-LDEG	Variable Optical Attenuator Degrade Low
VOA-LFAIL	Variable Optical Attenuator Failure Low
WKSWPR	Switched To Protection
WTR	Wait To Restore
WVL-MISMATCH	Equipment Wavelength Mismatch