

Cisco NCS 2002 Shelf Installation Acceptance Test

This chapter describes how to perform a shelf acceptance test on Cisco NCS 2002 shelf.

- NTP-L38 Performing the NCS 2002 Shelf Installation Acceptance Test , on page 1

NTP-L38 Performing the NCS 2002 Shelf Installation Acceptance Test

Purpose	Use this procedure to perform a shelf installation acceptance test for the NCS 2002.
Tools/Equipment	Voltmeter
Prerequisite Procedures	None
Required/As Needed	Required
Onsite/Remote	Onsite
Security Level	None

Procedure

Step 1 If you installed an NCS 2002 shelf, verify each applicable procedure that was completed.

Table 1: NCS 2002 Shelf Installation Task Summary

Description	Completed
NTP-L41 Unpacking and Inspecting the Shelf	
Connect the chassis to the office ground. For detailed instructions on how to ground the chassis, refer to the Electrostatic Discharge and Grounding Guide for Cisco NCS 2000 Series	

Description	Completed
NTP-L30 Opening and Removing the Standard Door of the NCS 2002 Shelf	
NTP-L35 Installing the Power and Ground to the NCS 2002 Shelf	
NTP-L35 Installing the Fan-Tray Assembly in the NCS 2002 Shelf	
DLP-L62 Installing the TNC, TNCE, TSC, TSCE, TNCS, or TNCS-O Card	
NTP-L29 Installing the Standard Door of the NCS 2002 Shelf	

Step 2 Complete the DLP-L49 Connecting Office Power (AC) to the NCS 2002 Shelf.

Step 3 Complete the DLP-L61 Measuring DC Voltage on the NCS 2002 Shelf, on page 2.

Step 4 Continue with Connect the PC and Log into the GUI.

Stop. You have completed this procedure.

DLP-L60 Inspecting the NCS 2002 Shelf Installation and Connections

Purpose	Use this task to inspect the shelf installation and connections and verify that everything is installed and connected properly.
Tools/Equipment	None
Prerequisite Procedures	None
Required/As Needed	Required
Onsite/Remote	Onsite
Security Level	None

Procedure

Step 1 Make sure all external wiring connections (that is, power, ground, alarms, and so on) are secure. If a wire or cable is loose, return to the appropriate procedure in this chapter to correct it.

Step 2 Return to your originating procedure (NTP).

DLP-L61 Measuring DC Voltage on the NCS 2002 Shelf

Purpose	Use this task to measure the power to verify correct power and returns.
Tools/Equipment	Voltmeter

Prerequisite Procedures	Before installing the DC power, check the voltage
Required/As Needed	Required
Onsite/Remote	Onsite
Security Level	None

Caution Do not apply power to the shelf until you complete all the installation steps.

Warning **To ensure safety of personnel and equipment, do not connect any power cables into the power module until the module is completely installed into the chassis.** Statement 389

Warning **To reduce the risk of electric shock, switch on the power only after the power cord is completely installed into the power module.** Statement 390

Procedure

Step 1 Using a voltmeter, verify the office ground and power:

a) Place the black lead (positive) on the frame ground on the bay. Hold it there while completing substep b.

b) Place the red lead (negative) on the fuse power points on the third-party power distribution panel to verify that they read between –40.5 VDC and –57.6 VDC (power) and 0 (return ground).

Step 2 Using a voltmeter, verify the shelf ground and power wiring:

a) Place the black lead (positive) on the RET1(A) and the red lead on the -48V (A) point. Verify a reading between –40.5 VDC and –57.6 VDC. If there is no voltage, check the following and correct if necessary:

- Battery and ground are reversed to the shelf.
- Battery is open or missing.
- Return is open or missing.

Step 3 Repeat Steps 1 and 2 for the RET2 (B) and -48V (B) of the redundant power supply input.

Step 4 Return to your originating procedure (NTP).