CHAPTER 15

Power Down the Node

This chapter explains how to power down a node and stop all node activity on the Cisco ONS 15600 SDH.

NTP-F247 Power Down the ONS 15600 SDH

Purpose	This procedure stops all node activity.
Tools/Equipment	None
Prerequisite Procedures	None
Required/As Needed	As needed
Onsite/Remote	Onsite
Security Level	For software steps, Provisioning level or higher is required. For hardware steps, any level is allowed.

Warning **Do not reach into a vacant slot or chassis while you install or remove a module or a fan. Exposed circuitry could constitute an energy hazard.** Statement 206

Caution The following procedure is designed to minimize traffic outages when powering down nodes, but traffic is lost if you delete and recreate circuits that passed through a working node.

Note Always use the supplied ESD wristband when working with the Cisco ONS 15600 SDH. For detailed instructions on how to wear the ESD wristband, refer to the Cisco ONS Electrostatic Discharge (ESD) and Grounding Guide.

Step 1 Identify the node that you want to power down. If no cards are installed, go to Step 13. If cards are installed, complete the "DLP-F181 Log into CTC" task on page 16-32.

Step 2 In node (login) view, choose **Go to Network View** from the View menu.

Step 3 In network view, verify that the node is not connected to a network:

a. If the node is part of a working network, log out of the node and complete the "NTP-F217 Remove an SNCP Node" procedure on page 13-11, or the "NTP-F215 Remove an MS-SPRing Node" procedure on page 13-5. Continue with Step 4.

b. If the node is not connected to a working network and the current configurations are no longer required, proceed to Step 4.

Note Current configurations will be saved if Steps 4 through 11 are skipped.

Step 4 In node view, click the **Circuits** tab and verify that no circuits appear, then proceed to Step 5. If circuits appear, complete the "DLP-F293 Delete Circuits" task on page 17-83 to delete all the circuits that originate or terminate in the node. Repeat until no circuits are present.

Step 5 Complete the "DLP-F229 Delete a 1+1 Protection Group" task on page 17-25 to delete all protection groups. Repeat until no protection groups are present.

Step 6 Complete the "NTP-F209 Modify or Delete Communications Channel Terminations" procedure on page 11-8 to delete all RS-DCC and MS-DCC terminations. Repeat until no RS-DCC or MS-DCC terminations are present.

Step 7 Complete the "DLP-F254 Change the Service State for a Port" task on page 17-48 for each installed STM-N or DS-N card and change all ports to the Locked-enabled,disabled service state.

Step 8 Remove all fiber connections to the cards.

Step 9 Complete the "DLP-F389 Remove an SFP/XFP" task on page 18-105 if there are any SFPs installed.

Warning **Class 1 laser product.** Statement 1008

Warning **Invisible laser radiation may be emitted from disconnected fibers or connectors. Do not stare into beams or view directly with optical instruments.** Statement 1051

Step 10 In node view, right-click an installed card and choose **Delete Card**.

Step 11 Click **Yes**.

Step 12 After you have deleted the cards, open the card ejectors for each card and remove each card from the node.

Step 13 Shut off the power from the power supply that feeds the node. For more information about power issues, see the "NTP-F113 Install the Bay Power and Ground" procedure on page 1-10.

Step 14 Disconnect the node from its external fuse source.

Step 15 Store all cards and update inventory records according to local site practice.

Stop. You have completed this procedure.