CHAPTER 16

Power Down the ONS 15454 SDH

This chapter explains how to power down a node and stop all node activity.

NTP-D114 Power Down the ONS 15454 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 the 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.**

Caution The following procedure is designed to minimize traffic outages when powering down nodes, but traffic will be 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 15454 SDH. Plug the wristband into the ESD jack located on the fan-tray assembly or on the lower right outside edge of the shelf assembly. To access the ESD plug on the shelf assembly, open the front door of the Cisco ONS 15454 SDH. The front door is grounded to prevent electrical shock.

Step 1 Identify the node that you want to power down. If no cards are installed, go to Step 12. If cards are installed, log into the node. See the "DLP-D60 Log into CTC" task on page 3-23 for instructions.

Step 2 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-D213 Remove an MS-SPRing Node" procedure on page 14-10 or the "NTP-D12 Add an MS-SPRing Node" procedure on page 14-2. Continue with Step 3.

b. If the node is not connected to a working network and the current configurations are no longer required, proceed to Step 3.

Note Current configurations will be saved if Steps 3 through 12 are skipped.

Step 3 In node view, click the **Circuits** tab and verify that no circuits are displayed, then proceed to Step 4. If circuits are displayed, delete all the circuits that originate or terminate in the node, as follows:

a. Click the circuits that need to be deleted and click **Delete**.

b. Click **Yes**.

Repeat until no circuits are displayed.

Step 4 In node view, click the **Provisioning > Protection** tabs and delete all protection groups:

a. Click the protection group that needs to be deleted and click **Delete**.

b. Click **Yes**.

Repeat until no protection groups are displayed.

Step 5 In node view, click the **Provisioning > DCC/GCC** tabs and delete all regenerator SDCC terminations:

a. Click the regenerator SDCC Termination that needs to be deleted and click **Delete**.

b. Click **Yes**.

Repeat until no regenerator SDCC Terminations are displayed.

Step 6 For each installed card, place all ports in Out of Service status:

a. In card view, click the **Provisioning > Line** tabs.

b. Click under the Status column for each port and choose **Out of Service**.

Step 7 Remove all fiber connections to the cards.

Step 8 In node view, right-click an installed card and click **Delete**.

Step 9 Click **Yes**.

Step 10 After you have deleted the card, open the card ejectors and remove it from the node.

Step 11 Repeat Steps 6–10 for each installed card.

Step 12 Shut off the power from the power supply that feeds the node.

Step 13 Disconnect the node from its external fuse source.

Step 14 Store all the cards you removed and update inventory records according to local site practice.

Step 15 **Stop. You have completed this procedure.**