CHAPTER 23

DLPs A600 to A699

Note The terms "Unidirectional Path Switched Ring" and "UPSR" may appear in Cisco literature. These terms do not refer to using Cisco ONS 15xxx products in a unidirectional path switched ring configuration. Rather, these terms, as well as "Path Protected Mesh Network" and "PPMN," refer generally to Cisco's path protection feature, which may be used in any topological network configuration. Cisco does not recommend using its path protection feature in any particular topological network configuration.

DLP-A600 Perform BLSR Lockout

Purpose	This task performs a BLSR lockout. If you have BLSR provisioned, you must perform this task before beginning the upgrade.
Tools/Equipment	PC or UNIX workstation
Prerequisite Procedures	NTP-A108 Back Up the Database, page 15-4
Required/As Needed	Required for BLSR only
Onsite/Remote	Onsite or remote (but in the presence of the workstation)
Security Level	Maintenance

Note During the activation, BLSR spans are not protected. You must leave the BLSR in the lockout state until you have finished activating all nodes in the ring. Ensure that the lockout is removed after activation.

Note To prevent ring or span switching, perform the lockout on both the east and west spans of each node.

Step 1 According to local site practice, complete the "NTP-A108 Back Up the Database" procedure on page 15-4 for all the nodes in the ring.

Step 2 Complete the "DLP-A60 Log into CTC" task on page 17-66 at the node where you will remove BLSR lockout. If you are already logged in, continue with Step 3.

Step 3 In node view, click the **Maintenance** tab, then click **BLSR**.

Step 4 For each of the line cards, perform the following steps:

a. Next to the card row, click the **East Switch** column to access the drop-down list.

b. From the menu options, choose **Lockout Protect**.

c. Click **Apply**.

d. In the same row, click the **West Switch** column to access the drop-down list.

e. From the menu options, choose **Lockout Protect**.

f. Click **Apply**.

Note Ignore any Default K alarms that occur on the protect synchronous transport signal (STS) time slots during this lockout period.

Note Certain BLSR or Multiservice Switching Platform (MSSP)-related alarms might be raised following activation of the first node in the ring. The following alarms, if raised, are normal, and should not cause concern. They clear upon completion of the upgrade, after all nodes have been activated.

- BLSR-OOSYNC (MN)
- RING-MISMATCH (MJ)
- APSCDFLTK (MN)
- BLSR-RESYNC (NA)

Step 5 Return to your originating procedure (NTP).

DLP-A601 Remove BLSR Lockout

Purpose	This task removes a BLSR lockout.
Tools/Equipment	PC or UNIX workstation
Prerequisite Procedures	DLP-A600 Perform BLSR Lockout, page 23-1
Required/As Needed	Required for BLSR
Onsite/Remote	Onsite or remote (but in the presence of the workstation)
Security Level	Maintenance

Step 1 According to local site practice, complete the "NTP-A108 Back Up the Database" procedure on page 15-4 for all the nodes in the ring.

Step 2 Complete the "DLP-A60 Log into CTC" task on page 17-66 at the node where you will remove BLSR lockout. If you are already logged in, continue with Step 3.

Step 3 In node view, click the **Maintenance** tab, then click **BLSR**.

Step 4 For each of the line cards, perform the following steps:

a. Next to the card row, click the **West Switch** column to access thedrop-down list.

b. From the shortcut menu, choose **Clear**.

c. Click **Apply**.

Note When removing a lockout, be sure to apply your changes each time you choose the Clear option. If you try to select Clear for more than one lockout at a time, you risk traffic loss on the first ring switch.

d. In the same row, click the **East Switch** column to access the drop-down list.

e. From the shortcut menu, choose **Clear**.

f. Click **Apply**.

Step 5 Repeat this task as many times as necessary to remove all BLSR span lockouts on the nodes.

Step 6 Return to your originating procedure (NTP).