Chart 31

Switching Facilities Traffic

PURPOSE

This procedure is used to switch facilities traffic. This procedure is applicable to facility and path protection switching.

PREREQUISITES

The following conditions must be met before starting this procedure:
- 1603 SM NE is equipped and in-service.
- User is logged on the NE using 1301 NMX.

GENERAL

This procedure may be used as part of the trouble clearing process for an existing facilities alarm. For alarm clearing information, refer to the 1603 SM Maintenance and Trouble Clearing manual.

Procedure

1. To switch facilities traffic, in the scope pane, right-click [*NE Name*] to display a context menu.

2. From the context menu, select: **Manual Controls >Switching>Facilities**

3. Are you performing facility switching or path switching?

   If facility switching, go to step 4.
   If path switching, go to step 14.

4. Click on Facility tab button.

5. Click on Retrieve.

6. Select the active line group or drop group, A side or B side facility.

   NOTE: Select the active line or drop group, A or B side. The selected side is the path being switched. For example, if the active side is LG1-OC12A and it is selected, LG1-OC12B becomes the active side (LG1-OC12A becomes standby) when Send is executed.

7. Select Switch Mode = Manual.

8. Click on Send.

9. Retrieve alarms: **Alarm Surveillance>Current Alarms**

10. Click on Retrieve.

11. Clear any active alarms (Refer to 1603 SM Maintenance and Trouble Clearing manual).

12. Click on Close.

13. STOP. This procedure is complete.

● Click on Path tab button.

● Click on Retrieve.

● Are you switching all cross-connected paths to receive traffic on either Line Group 1 or Line Group 2?

If yes, go to step 17.
If no (Switch Selected Connections), go to step 20.

● Select either Switch All to LG1 or Switch All to LG2.

NOTE: For Switch All functions, a Path selection is not required, and the Switch Side and Switch Mode selections are disabled.

- Click on Send.

NOTE: If Line Group 1 or Line Group 2 of the selected path is part of a previous switch with a Switch Mode of higher priority than the switch you are executing, the lower priority switch will be denied. The Switch Mode priorities from the lowest to highest are: Manual, Automatic, Forced, and Lockout. If a higher priority switch exists, execute a Release for the selected path.

- Go to Step [26].

- Select Switch Selected Connections.

- Select Path being switched.

- Select Switch Side (select the Line Group Switch Side being switched).

- Select Switch Mode (Manual is lowest priority, Lockout is highest).

NOTE: If either side (side being switched from or side being switched to) has an active Switch Mode condition (i. e. , Forced), execute Release before performing the desired switch.

- Click on Send.

- Click on Close.

- Retrieve alarms: **Alarm Surveillance>Current Alarms**

- Click on Retrieve.

- If there are any active alarms (Refer to 1603 SM Maintenance and Trouble Clearing manual).

- Click on Close.

- STOP. This procedure is complete.