

Chart 19

Set up Data Communications Channel (DCC)

PURPOSE

This procedure is used to provision upper or lower layer DCCs.

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.

Procedure

1. Do you want to provision Upper Layer DCC, Lower Layer DCC, or SML port?

For Upper Layer DCC, go to step [2](#).

For Lower Layer DCC, go to step [12](#).

For SML port, go to step [24](#).

Provision Upper Layer DCC

1. In the scope pane, right-click [*NE Name*] to display a context menu.
2. From the context menu, select **Provision>Protocols>DCC>Upper Layers**
3. Click on Retrieve.

4. Select Protocol = ULSDCC.
5. Click on Modify. Modify Parameters dialog screen displays.
6. Click on Defaults.

NOTE: *The default parameters values work in most network applications. If the NE is connected through line group, OC3 drop group, or SML to another NE in another Level 1 (L1) routing area, then Layer 3 Parameters - IS Routing = IS2.*

If work order parameters values are different from default values, make changes required per work order.

7. Click on OK.
8. Click on Send.
9. Click on Close.
10. Do you want to provision another DCC?

If yes, return to step [1](#).

If no, STOP. This procedure is complete.

Provision Lower Layer DCC

1. In the scope pane, right-click [*NE Name*] to display a context menu.
2. From the context menu, select **Provision>Protocols>DCC>Lower Layers**
3. Click on Parameters tab button.
4. Click on Retrieve.
5. Select Protocol to be assigned.

Where Protocol =

- Line Group 1 (OC3/OC12/OC48 facility must be assigned)
- Line Group 2 (OC3/OC12/OC48 facility must be assigned)
- Drop Group 1, 2 (OC3 drop group must be assigned)
- MAINT1 (SML must be assigned per steps [24](#) - [33](#))
- Click on Modify. Modify Parameters dialog screen displays.
- Click on Defaults.

NOTE: The default parameters values work in most network applications and should be used unless work order specifies different. Set Side Role parameter per step [19](#).

- For Side Role, select User or Network (must be different at two ends of link; Figure [1](#) is an example).

Figure 1. Example of Side Role Parameter Entries

1. Click on OK.
2. Click on Send.
3. Click on Close.
4. Do you want to provision another DCC?

If yes, return to step [1](#).

If no, STOP. This procedure is complete.

Provision SML Port

1. In the scope pane, right-click [NE Name] to display a context menu.
2. From the context menu, select **Provision>Ports >SML**

3. Click on Parameters tab button.
4. Click on Retrieve.
5. Select Link = MAINT1.
6. Click on Modify. Modify Parameters dialog screen displays.
7. Click on Defaults.

NOTE: *The default parameters values work in most network applications and should be used unless work order specifies different.*

8. For Equalization, select distance to terminating NE or cross-connect.
9. Click on OK.
10. Click on Send.
11. Click on Close.
12. Do you want to provision another DCC?

If yes, return to step [1](#).

If no, STOP. This procedure is complete.