

## It is assumed that the T1/E1 Analyzer Hardware, Software and License installations are already performed referring to the purchased Hardware Installation Guide.

## **MAPS™ MLPPP** Application Verification

For functional verification, **MAPS<sup>™</sup> MLPPP** application is configured on Card #1 in loopback with another MAPS<sup>™</sup> MLPPP instance configured on Card#2 on a single PC. The following steps explain MAPS<sup>™</sup> MLPPP configuration to simulate **'Open Link State'** conformance test.

## Cross-connect T1/E1 Port #1 and Port #2 of the Hardware unit back-to-back using RJ48c loopback cable.



RJ48c Loopback Cable

• Click on the **T1/E1 Analyzer** icon created on the desktop (or) from the installation directory, click on **UsbNGT1.exe** and launch T1/E1 Analyzer application.

Note: The application may take some time to get started due to hardware and software initializations.

- Verify the following **Interface** settings in the T1/E1 main GUI
- For T1 Analyzers, configure Port #1 and Port #2 with Framing = D4 (or ESF), Loopback = No Loopback, Termination = Terminate, Clock = Internal, Cross Port = Normal
- For E1 Analyzers, configure Port #1 and Port #2 with Framing = CCS, Loopback = No Loopback, Termination = Terminate, Clock = Internal, Cross Port = Normal



- Verify the Sync and Alarm Status between the ports are indicated in Green ✓ in T1/E1 Alarms pane. Click Yellow Reset button to reset the alarms.
- From the T1/E1 Analyzer main GUI, invoke the WCS Server: Special Applications > Windows Client Server (WCS) > WCS Server.
- Configure WCS as follows -



- Listen Port = 17080 (for T1 systems); or 17090 (for E1 systems)
- $\blacktriangleright$  Messaging = Binary
- $\blacktriangleright$  Version = 4
- Click on Start GL Server button.
- From T1/E1 Analyzer main window: go to Special Applications > Protocol Emulation > MAPS<sup>TM</sup> MLPPP Conformance and start an instance of MAPS<sup>TM</sup> MLPPP
- On the <u>Test Bed Default</u> window, click *m* and select Card1 configuration file and check for the following settings:
  > Simulation Type = MLPPP
  - > MLPPPTaskConfiguration = 1 TS #1:1
- On the same PC, from T1/E1 Analyzer main window start another instance of MAPS<sup>TM</sup> MLPPP: Special Applications > Protocol Emulation > MAPS<sup>TM</sup> MLPPP Conformance
- On the <u>Test Bed Default</u> window, click *interpreter and select Card2* configuration file and check for the following settings:
  > Simulation Type = MLPPP
- > MLPPPTaskConfiguration = 1 TS #2:1
- Start the testbed setup on both the MAPS<sup>™</sup> MLPPP instances
- In the first MAPS<sup>™</sup> MLPPP instance, select **Emulator > Call Generation** from main menu
- By default, a call instance loaded with script and profile will be displayed. If the default call instance is not displayed, then click **Add** button and add a call instance in the window. Double click the area in the **Script Name** column, and from the drop down list select the **OpenStateTest.gls** script. Similarly, double click the area in the **Profile** column, and from the drop down list select **MLPPPProfile01** profile.
- Select the call instance and click the yellow Start button.
- Link should enter the **Opened state** indicated in the **Status** column of MAPS<sup>™</sup> MLPPP Call Generation window.
- From the main MAPS<sup>™</sup> MLPPP window on any of the instance, select **Report** menu -> invoke **Events** and observe the occurring call events in the log.

G MAPS (Message Automation Protocol Simulation) (MLPPP IETF ) - [C	Call Generation - CallGenDefault]	- <b>- - - - -</b>					
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