Q&A

Configuring the TSU FXO and FXS modules for Message Waiting

Q:

Configuring the TSU FXO and FXS modules for Message Waiting

A:

This Technical Support Note describes how to configure the ADTRAN TSU T1 circuit options, map the appropriate DS0s to the FXO and FXS cards, and set the mode for the FXS or FXO for use with Message Waiting.
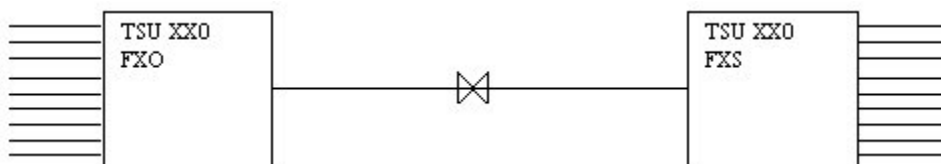

Figure 1

Note: The FXO card for the TSU supports Message Waiting; however, only the Dual FXS card (plug in, plug on, Part # 1200.080L1, 1200.082L1) supports the Message Waiting feature.

Configuration

Network Settings:

    FORMAT: ESF / D4 (Telco Provided)
       CODE: B8ZS / AMI (Telco Provided)
  YEL ALRM: ENABLE
  XMIT PRM: OFF

TIMING: NET (See Timing)
SET LBO: 0.0
INBAND LPBK: ACCEPT
BIT STUFFING: DISABLE

Timing:

- If telco is providing a clock on the T1, set **Clock Source** to **Network**.
- If telco is not providing a clock on the T1, set **Clock Source** to **Internal** on one of the TSUs and **Network** on the other.

Mapping

Note: In this example, Channel 1 will be mapped to the X.1 FXO card.

From the front panel:

1. Select **2) CONFIG** and then press **ENTER**.
2. To determine which map is in use, select **4) MAP IN USE**. The map in use will be displayed (Map A is the default and will be used throughout this example).
3. Select **5) DS0 MAP A** and then press **ENTER**. (If you have configured passcode protection, you will be challenged to enter your passcode at this time.)
4. Select **1) COPY A > TEMP** and then press **ENTER**.
5. Select **5) EDIT TEMP** and then press **ENTER**. (For some models this may be option 6 rather than 5.)
6. Scroll up/down until the top line shows **DS0: 01**. Press **ENTER** and the cursor will start blinking on the bottom line.
7. Scroll up/down until the bottom line shows **PORT: X.1 FXO-+**. Press **ENTER** and the cursor will go back to the top line.
8. Repeat Steps 6-8 for the other channels being used for this application.
9. Review all channels that were mapped by scrolling up/down to confirm the map.
10. Press **CANCEL** once and you will see **6 Apply Temp > A**.
11. Press **ENTER** and you will be asked **DISRUPT DATA:**. Scroll up/down until you see **YES**; then press **ENTER**. The map will be applied.
12. Press **CANCEL** twice and you will see **5 DSO MAP A**.
13. Scroll down to **7 PORT CONFIG** and press **ENTER**.
14. Scroll up until you see the port **X.1 FXO+** or **X.1 FXS+** (depending on which unit you are currently configuring).
15. Set the **MODE** for **FXO_LSMW** or **FXS_LSMW**. Configure this on both units at either end.

Repeat steps 13-15 until all ports being used for Message Waiting are configured.