

## Microwave/PSTN Backup Protection in Asia

This unique application was developed for a corporation in Asia who wanted backup protection for its microwave and PSTN (Publicly Switched Telephone Network) transmissions. In this protection system, if the microwave network fails, all is switched over to the PSTN network. Similarly if line failure occurs on the PSTN network, all is switched over to the Microwave network.

### Problem:

The customer needed E1 line protection between Site 1 and Site 2.

### Solution:

A Loop-V 4200-28 IMAP was installed at Site 1 and equipped with 21E1 cards. A Loop-V 4100 UMAP was installed at Site 2 and equipped with 21E1 cards. Although this customer chose to use only sixteen of the E1 lines, twenty-one of them are available. There is a limitation to this backup solution. If only one E1 line fails, all of the E1 lines will switch to backup lines and go over to the other network.

