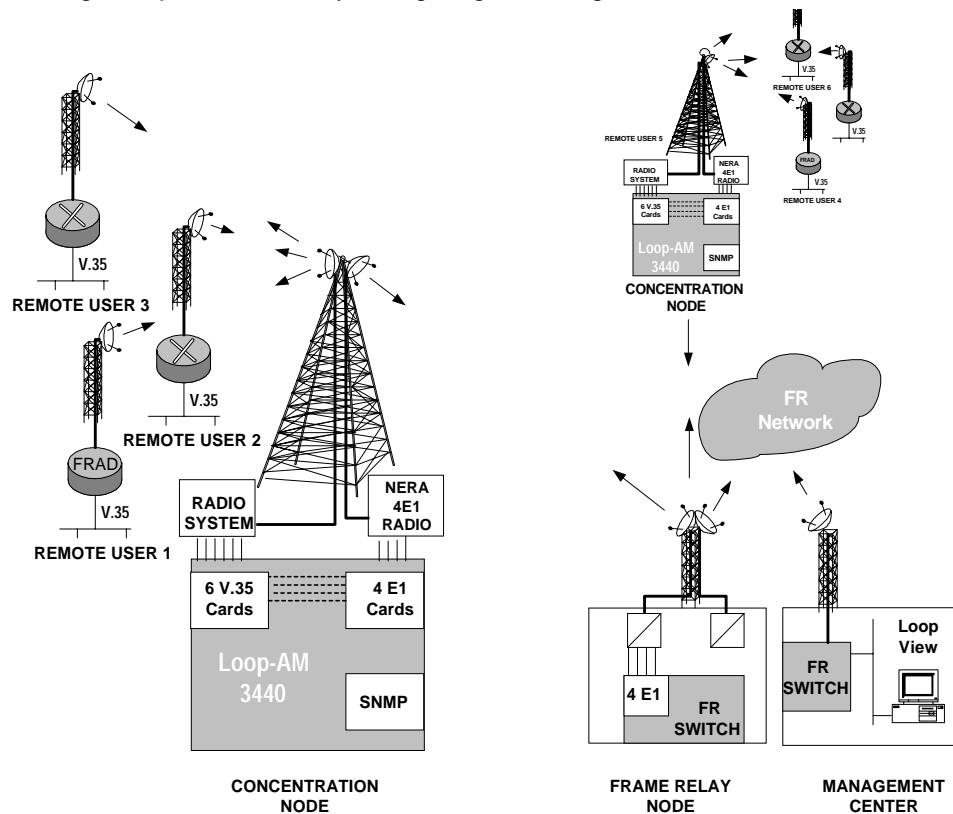


Microwave Access Solution for FR Network

A proven solution for rugged mountainous terrain that also excels in the city.

This solution has already proven itself under adverse geographic and climatic conditions in South America. From rugged mountain peaks to tropical coastal plains to metropolitan office buildings Loop ensures that your signal gets through.



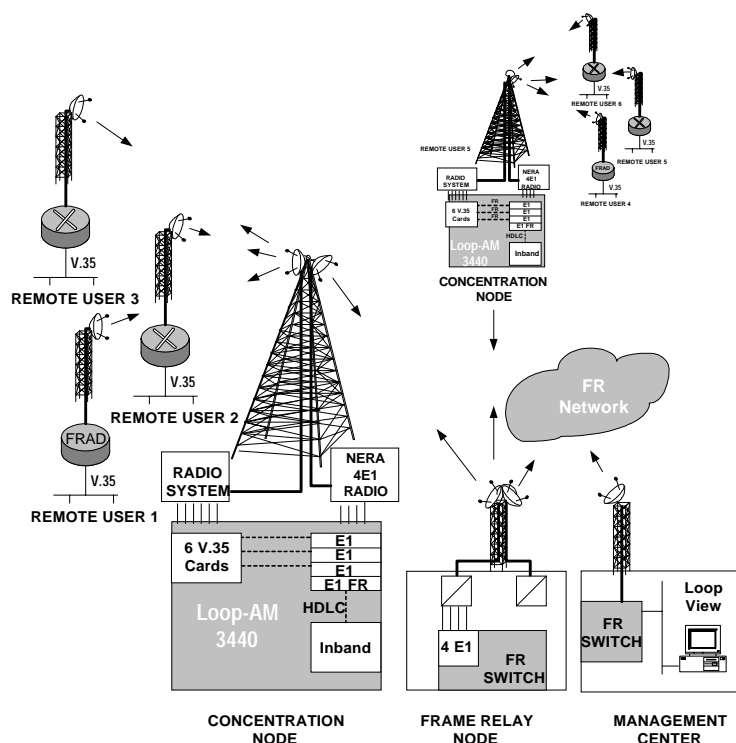
Problem

The client needed a reliable, cost-effective way of providing internet access and branch office connections in a region noted for its topographic and climatic extremes.

Solution

The Loop-AM 3440 microwave access to FR networks. Remote Users communicate with the Concentration Node via transceivers. The link can be set at 64, 128 or 256 kbps. The Concentration Node is equipped with a Loop-AM 3440. It has 6 V.35 cards to accept signals from the P-Com Radio link. These signals are muxed to 4 E1 cards and are then transmitted in the E1 link to the Frame Relay Node.

Microwave Access with ATM/FR Inband Management



Problem

A major problem in many areas with rugged terrain is the extremely high cost of service calls. Many of these calls could be avoided if a reliable, reasonably priced remote management system is in place.

Solution

Loop has developed a special Frame Relay to Frame Relay E1 Card that will collect inband HDLC and FR from V.35. This card replaces one of the four E1 cards housed in the Loop-Am 3440 at the Concentration Node. On this card only, the output will be Frame Relay, channelized. The addition of this single card will give you full *inband management capability and cut your service call costs to the bone.

*Note - To learn more about our inband capability please visit our website at www.looptelecom.com and refer to the white papers "Using In-Band Channels for Management of Telecommunication Network Elements" and "Number of NEs Managed through a Single 64Kbps Time Slot".