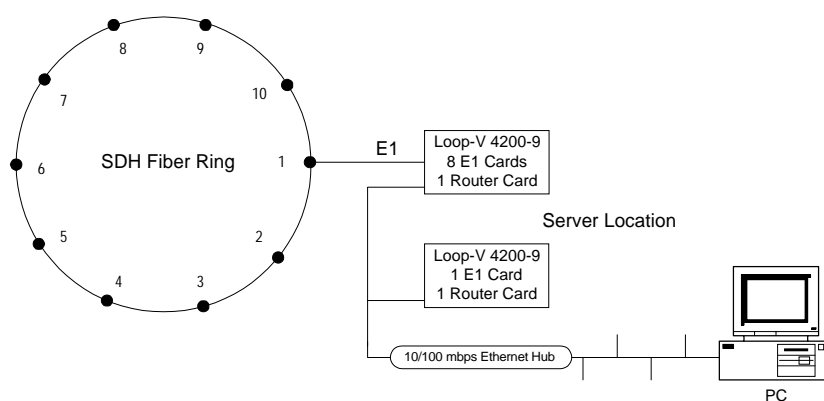


In-band Management

The final client here is a firm providing basic voice and data service to 10 separate states in an Asian country. Each of those states is represented on the circle below. Location #1 has a Network Management Center (see diagram below). From here, all of the 10 links are managed.

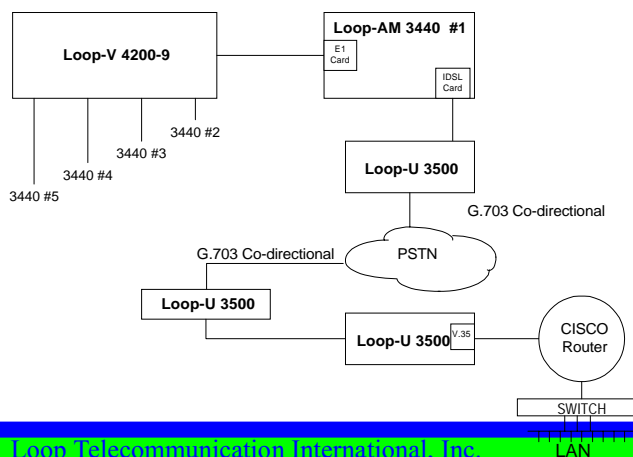


Problem

The client had two main concerns regarding this application. One was that they needed flexibility of cross-connects. The other was that they wanted to be able to provide a high level of customer support.

Solution

At each location on the above circle, (including location #1) there is a Loop 4200-9 IAD unit which is linked to five (5) Loop AM-3440 Quad E1/T1 Mux units as shown below. They communicate with each other via IDSLcards.



Each of the ten locations (dots) on the circle illustrated on the previous page is a Node. The diagram below goes into more detail and shows a situation where the network uses only one 64 kbps line for inband management of the Loop-V 4200-9 IAD and attached Loop-AM 3440 Quad E1/T1 Mux units. A maximum of eight (8) units can be utilized at each of the ten (10) Nodes.

Each Node has only 64K for in-band management

