

Leased Line Protection in Asia

Service Level Agreements (SLAs) in one Asian region have three levels of service: Normal, Gold or Platinum. The Gold level guarantees the customer 99.9% connectivity and the Platinum level guarantees 99.99% connectivity. A premium is charged for Gold or Platinum service. In order to make this level of service possible lease line protection is required.

Problem

While the STM-1 fibre connection provides good protection against failure, no such full protection exists in the electronic telephone world. Thus, the E1 signal can be susceptible to failure.

Solution

A diagram of the application can be seen below. In this diagram a Loop-V 4200-28 Integrated Multiservice Access Platform is located in the central office. It provides span protection and circuit protection to provide for the possibility of disconnection. The customers' premises are equipped with the latest edition of Loop-V 4300 Mini DACS E1/T1 converters. Each Mini DACS E1/T1 outfitted has a V.35 interface to connect with the router. The WAN site has two (2) E1 links. If the primary E1 signal disappears, it can be transferred to the secondary E1 link to preserve service.

