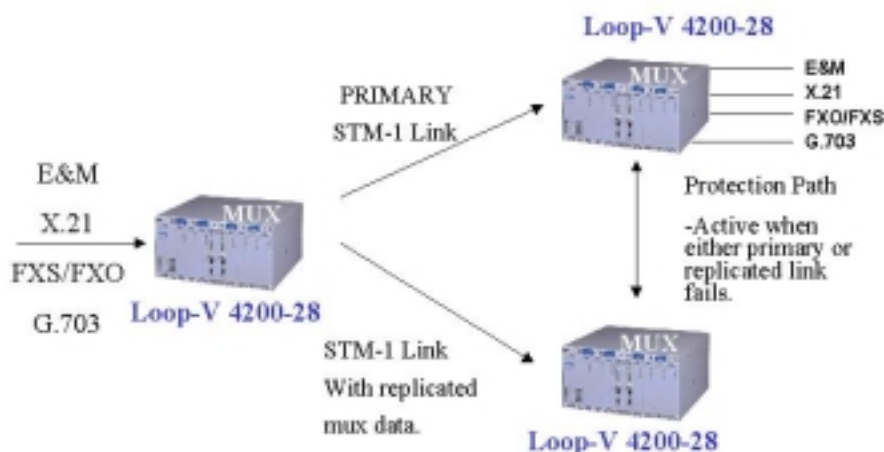


Grooming, Mux, and STM-1 Line Protection in Asia

The diagram below is representative of an application in Asia for STM-1 data services via fiber optic cable.



Problem

Fiber optic cable provides good reliability, but if the fiber is cut, signals will be lost. In addition, the cost of a fiber link is quite high. Many customers do not want to spend too much on a redundant protection link.

Solution

By installing a third Loop-V 4200-28 IMAP unit, (bottom unit in the diagram above) a second STM-1 data link can be established that replicates the primary STM-1 link. This secondary protection link can be optical or electronic.