

Least Cost Routing to an Alternate Carrier's Circuit

In today's competitive market place for telecommunications, different Carriers provide various pricing structures. Customers can choose between the most economical route, perhaps using one carrier for in-coming calls only and another for out-going, or one for domestic calls and another for international.

Patapsco's range of Liberator products provides a flexible and easy-to-configure choice for this "Least Cost Routing" between different Carrier circuits via a single connection from the customer's equipment. Furthermore, a choice of PRI or BRI interfaces to customer equipment can be offered and support of a number of enhanced features.

Application descriptions

When customers or Carriers install a second PRI to a site as an alternate route for in-coming and/or out-going calls, this requires a second port on the customer PABX and some capability for the PABX to route calls via different circuits.

The Liberator solves this issue by connecting a single PABX port to both Carrier services and routes traffic calls from the PABX to the most appropriate Carrier using easy-to-configure tables.

These tables direct out-going calls to the most appropriate Carrier circuit depending upon number dialled. The number can be a whole number or numbers with a "wildcard" either in front or following. For example *98765 would route any calls ending in 98765 and 0987* would route any calls starting with 0987. Different tables can be invoked at different of the day, if required.

Detailed billing and call-record information is available if required.

Other information

Liberator provides a wide range of configuration options with a comprehensive but easy-to-use graphical interface. The devices can be assessed locally or via a remote call and are software uploadable.

All ports are assessable by all others, minimum and maximum bandwidth capacities can be set and call billing information and other stats are also generated.

For more in-depth details, please see the Technical Sheets.

Summary

Liberator delivers low-cost, flexible services for voice and data applications to customers where other methods are prohibitively expensive.

Other application notes in this series cover:

AN-006(A)	PRI to BRI Conversion
AN-006(B)	Using existing PRI's to provide BRI ports
AN-006(C)	Sharing a single PRI between PRI and BRI devices
AN-006(D)	ISDN "Time-of-Day" Reconfiguration
AN-006(E)	Low-cost ISDN backup by sharing ISDN
AN-006(F)	Improve dial-in and dial-out access and user/application performance without increasing network costs
AN-006(G)	Pre-allocate network resources applications have access to
AN-006(H)	Stand-alone BRI and/or PRI "networks" for demonstration and testing or across-site communications
AN-006(I)	Low-cost Carrier provision of PRI, Fractional E1 and BRI
AN-006(J)	Least Cost routing to an alternate carrier's circuit
AN-006(K)	Least Cost Routing using Carrier Selection
AN-006(L)	Low-cost carrier delivery of PRI and BRI to >1 customer

