

## MPLS (Multiprotocol Label Switching)

### OPTIMIZE AND CONTROL DATA TRAFFIC

#### Multiprotocol Label Switching

You have multiple offices located in different parts of the state, or the country. You need to connect them privately, securely and affordably, but you fear months of expensive and disruptive installation headaches. There is a simple, effective solution.

**Multiprotocol Label Switching (MPLS)** is a standards-approved technology for speeding up network traffic flow and making it easier to manage. MPLS involves setting up a specific path for a given sequence of packets, identified by a label put in each packet, thus saving the time needed for a router to look up the address to the next node to forward the packet to. MPLS is called multiprotocol because it works with the Internet Protocol (IP), Asynchronous Transport Mode (ATM), and frame relay network protocols. With reference to the standard model for a network (the Open Systems Interconnection, or OSI model), MPLS allows most packets to be forwarded at the layer 2 (switching) level rather than at the layer 3 (routing) level.

The advantage of MPLS is that it eliminates multiple routers, firewalls and IT management headaches from all of the remote locations. This is accomplished by putting control and management of the entire network into one center, usually Headquarters.

- Fully Meshed Private Network
- MPLS provides the VPN so no hardware/software is required.
- MPLS does not require Firewalls at each location as it is a Private Network.
- MPLS provides an any-to-any configuration

#### Quality of Service (QoS)

In addition to moving traffic faster overall, MPLS makes it easy to manage a network for quality of service (QoS). For these reasons, the technique is expected to be readily adopted as networks begin to carry more mixtures of traffic.

Dialink's network infrastructure takes full advantage of MPLS capabilities, allowing companies to operate a variety of applications at different priorities, with different QoS parameters.

Call Dialink today to discuss a solution that will take your network into the next generation of voice and data technology.

