



## **World Wide Packets Introduces Virtual Private Services over Ethernet and MPLS**

*New Access Concentrator and Access Portal Fully Extend the Benefits of an MPLS Core Network to the Subscriber*

**Spokane Valley, WA June 14, 2004** - World Wide Packets, the leading provider of Ethernet Access Networking Solutions, announced today two new additions to the LightningEdge® product family that for the first time, allow service providers to offer Virtual Private Services™ (VPS) delivered over Ethernet and/or Multi Protocol Label Switching (MPLS). The LE-54v™ Access Portal and LE-311v™ Access Concentrator give carriers the power to extend the services and capabilities of an MPLS core network directly to its business and residential subscribers.

“Virtual Private Services represent an important development in access technology,” said Mark Bieberich, program manager, the Yankee Group. “With World Wide Packets’ VPS, carriers can generate new revenue streams with Layer 2 Ethernet services while realizing the network efficiency and cost advantages of MPLS. VPS also helps service providers create competitive advantage through its lower-cost service management and provisioning capabilities.”

### **About VPS**

World Wide Packets’ VPS offering embodies all of the features and benefits of the proven LightningEdge access solution including guaranteed and explicit Quality of Service per application, carrier-class resiliency, as well as complete end-to-end subscriber provisioning, visibility and management. VPS also allows the service provider to provide one or many services over a single physical subscriber port using flexible topology and deployment scenarios such as Per-Port-Per VLAN and Layer 2 control frame transport.

VPS delivers the same revenue-generating Ethernet-based services now over MPLS. With VPS, any service can be carried over Ethernet or MPLS using the same infrastructure while providing service providers with the ability to extend the services and

capabilities of a unified end-to-end service delivery MPLS core network directly to subscribers. By enabling multiple tiered services over a unified infrastructure, service providers are able to realize increased revenue generation and to accelerate Return on Investment.

### **About the LE-54v and LE-311v**

With two, 1 Gb Small Form-Factor Pluggable (SFP) optical Ethernet ports and eight 10/100 Mb copper subscriber ports, the LE-54v is a compact, high-performance customer service demarcation platform for ring-based topologies that offer maximum QoS protection. When deployed with a single, 1 Gb optical Ethernet connection to the network, the second port can be configured as a subscriber interface. The LE-311v is equipped with four, 1 Gb SFP optical Ethernet ports, twenty-four 10/100 Mb copper subscriber ports, and supports one or two pluggable AC or DC power supplies in a compact one rack-unit enclosure. Both the LE-54v and LE-311v support large numbers of MAC addresses and MPLS labels to enable cost-efficient large-scale subscriber deployments.

The LE-54v and LE-311v support any variant of LDP, RSVP, and BGP signaling protocols, enabling service providers to automate provisioning beyond the MPLS core switching platforms directly to the subscriber demarcation points. This empowers service providers to extend the operational cost-benefits of their MPLS infrastructure directly to the subscriber with the potential to dramatically lower ongoing operational expenses.

“VPS enables service providers to immediately realize the increased revenue potential of new-generation broadband access infrastructure today in advance of the deployment of an MPLS core network without the concern of complicated migration strategies or stranded capital assets,” said Barry Kantner, vice president of marketing at World Wide Packets. “With our solution, transitioning between Layer 2 and MPLS can be done on a port-by-port basis, requiring only a simple programming change to realize additional operational cost savings and lower total cost of ownership.”

### **Availability**

The LE-54v Access Portal and LE-311v Access Concentrator will be available Q3 2004. Both products will be on display at Supercomm 2004 (Booth # 21439), June 22 – 24, in Chicago, IL.

**About World Wide Packets**

World Wide Packets LightningEdge® Ethernet service delivery access network solution, enables delivery of simultaneous telephony, business and entertainment video, broadband data, and Internet access services, to any combination of business and residential subscribers, using Ethernet over fiber and copper medium. By bringing together the limitless bandwidth capabilities of a fiber infrastructure with the affordability and proven performance of Ethernet, these networks eliminate the constant bandwidth challenges now facing network operators. World Wide Packets is a privately held corporation, and a recognized pioneer of Ethernet geographic network solutions. For more information on World Wide Packets, please visit [www.worldwidepackets.com](http://www.worldwidepackets.com).

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