





Enterprise Customer Requirements: a WAN Solution Fit for 21st Century

 Ultimate WAN solution that combines the proven success of MPLS with the ease of use and familiarity of Ethernet

- Must offer the same advantages as IP VPN:
 - EFFICIENCY, QoS, SECURITY, RESILIENCY, FLEXIBILITY
- Granular flexible bandwidth choices
- Convergence of services
- Must span across large geography
- Flat-rate monthly billing
- Solution must allow customer to maintain control over IP routing

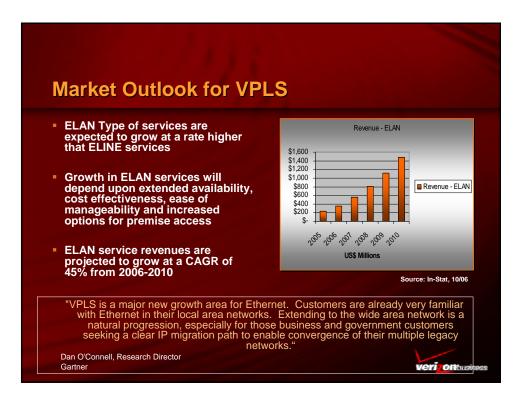


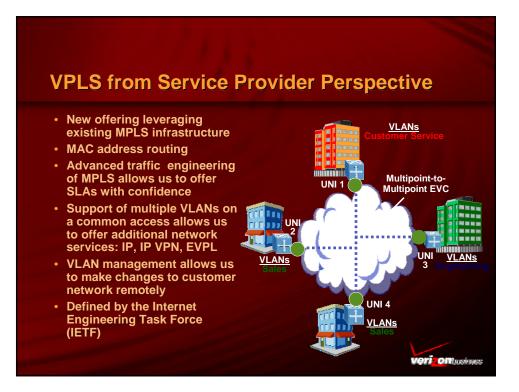
VPLS from Enterprise Customer Perspective

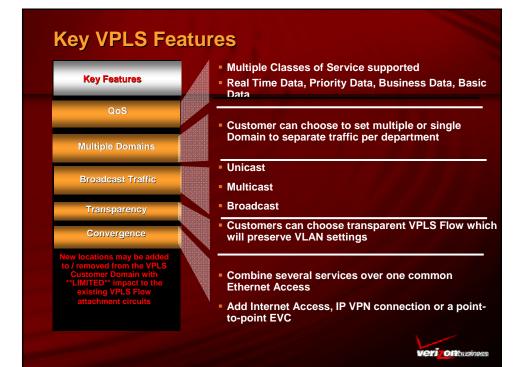
- Layer 2 Ethernet VPN
- Layer 3 protocol-independent
- Multipoint topology
- CPE can operate at L2 or L3
- Bandwidth scales from Mbps to Gbps
- Common Ethernet Access can be shared with other network services to control costs
- Spans across metro areas
- Scalable to support thousands of sites
- QoS allows customers to add new and manage existing applications efficiently
- Multicast and Broadcast supported
- Easy to add new sites

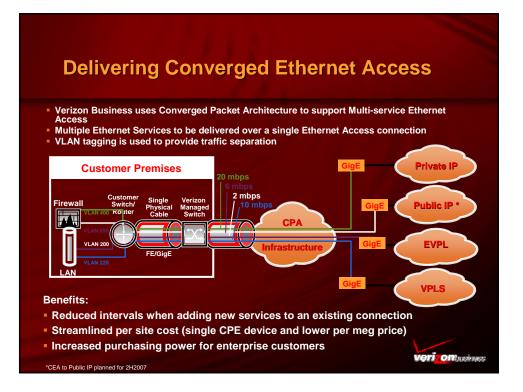


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Granularity and Flexibility of Bandwidth	1:
VPLS Speeds	

The following VPLS Flow bandwidths are available

	Gbps			
1 Mbps	9 Mbps	45 Mbps	200 Mbps	1 Gbps
2 Mbps	10 Mbps	50 Mbps	300 Mbps	
3 Mbps	15 Mbps	60 Mbps	400 Mbps	
4 Mbps	20 Mbps	70 Mbps	500 Mbps	
5 Mbps	25 Mbps	80 Mbps	600 Mbps	* Future
6 Mbps	30 Mbps	90 Mbps	700 Mbps	releases will
7 Mbps	35 Mbps	100 Mbps	800 Mbps	support bandwidths to
8 Mbps	40 Mbps	150 Mbps	900 Mbps	10 Gbps

Premium QoS (Real Time Data) is available in the above speeds, in addition to the following increments

64 Kbps, 128 Kbps, 192 Kbps, 256 Kbps, 384 Kbps, 512 Kbps, 768 Kbps and 896 Kbps

Premium QoS bandwidth must be less than or equal to the VPLS Flow bandwidth

Stringent Service Level Agreements (SLAs) SLA measurements are based on the test traffic between probes located at each Verizon Business VPLS switch site Metric Measurement **On-Net Ethernet Access: 100%** Availability Off-Net Ethernet Access: 99.9% **On-Net Ethernet Access: 2 Hours** MTTR **Off-net Ethernet Access: 4 hours** 100 ms round trip** Round Trip Delay (RTD) * Real Time Data: 99.995% Data Delivery Ratio (DDR) * Priority & Business Data: 99.99% Basic Data: 99.5% 5 ms ** Frame Jitter * * between Verizon Business VPLS switch sites **RT class of service only Note: All measurements provided are for US Domestic 48 contiguous states TERMS AND CONDITIONS APPLY. PLEASE SEE YOUR VERIZON BUSINESS REPRESENTATIVE FOR DETAILS. veri omasiaess

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