

# V I R T U A L E T H E R N E T S E R V I C E S A C C E S S

US Signal's Virtual Ethernet Service (VES) is a layer 2 Ethernet service supporting point-to-point and multisite solutions that create private networks that extend Ethernet technology from your LAN into the WAN topology.

## At-a-Glance

- + Extends private layer 2 connectivity into your WAN
- + Backed by the highly redundant, fully-owned and managed US Signal network
- + Tag traffic with CoS values to prioritize packets into predefined Quality of Service queues
- + Delivered as point-to-point or Multisite topology solutions
- + Allows connectivity between any customer site in the US Signal footprint

## TECHNICAL OVERVIEW

- + Layer 2 Ethernet service supporting both point-to-point and multisite network solutions across US Signal's fiber network
- + Utilizes a Virtual Private LAN Service and regional aggregation based on 10 Gbps Ethernet networks implemented on the US Signal Dense Wave Division Multiplexing (DWDM) backbone
- + Full-rate 1 and 10 Gbps External Network to Network Interfaces (ENNI) available
- + Supports standard MTU size of 1518 bytes and and jumbo frames

## Service Level Agreement

### VES Point-to-Point

Availability of 99.995%.

## US SIGNAL ADVANTAGE

### Serviceability

A high density of central offices and on/off ramps serving tier 1, 2, and 3 markets.

### Reliability

The US Signal Ethernet infrastructure has been built from the ground up on redundant carrier-grade optical transport equipment.

### Ordering and Fulfillment Process

High touch service delivery processes to effectively manage client information, provisioning, support and billing.





**VES Point-to-Point with QoS**

Performance Metrics	Class D	Class C	Class B	Class A
Availability	99.5%	99.995%	99.995%	99.999%
Latency	N/A	15ms	15ms	10ms
Packet Loss	N/A	<=0.1%	<=0.05%	<=0.005%
Jitter	N/A	4ms	4ms	4ms

**VES Multisite**

Performance Metrics	
Availability	99.995%
Latency	15ms
Packet Loss	<=0.1%
Jitter	4ms

