

# CenturyLink® Ethernet Transport Service (ETS)

## ETS Delivered on Carrier-Class Network

CenturyLink's ETS is provided on Metro Ethernet networks in metro/regional areas and the converged IP/MPLS network for long-haul Ethernet transport solutions. The local Metro Ethernet networks are based on a variety of network topologies at the edge, including rings, stars, and meshes. We use our expanded network of 550,000 miles of CenturyLink owned and operated fiber optic cable and DWDM capabilities to deliver a high-capacity, intelligent optical backbone as an underlying infrastructure for Ethernet services. CenturyLink's ETS allows agencies to interconnect their LANs transparently over a MAN and WAN regardless of the geographical location. ETS enables point-to-point and multipoint Intranet and Extranet services, as well as intra- and inter-agency communications.



## Product Description

CenturyLink provides carrier-grade Ethernet (CE) transport using Metro Ethernet links and transport over MPLS LSPs inside an outer MPLS tunnel to support both point-to-point and multipoint services. CenturyLink's ETS is provided as a dedicated service or a shared service as follows:

### KEY FEATURES

- Standards-based architecture
- Multiple service configurations
- Built for scalability
- Broad range of UNI bandwidth port options



## Highlights

- SDP/UNI speeds ranging from 1 Mbps to 10 Gbps
- Fiber and copper media to support both optical and electrical interface types
- Private MPLS Transport Core
- Conformance to applicable MEF 2.0 standards identified in RFP Section C.2.1.2.1.2.
- Traffic prioritization through CoS

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# How ETS is Provided

CenturyLink provides carrier-grade Ethernet (CE) transport using Metro Ethernet links and transport over MPLS LSPs inside an outer MPLS tunnel to support both point-to-point and multipoint services. Our Ethernet transport network is supported by an extensive SOAM architecture that uses automation to simplify testing and service activation, provide end-to-end performance monitoring capability in support of SLAs, and assure faster fault isolation and repair cycles.

Interconnection is accomplished by connecting agency sites into the CenturyLink metro or regional Ethernet network. For agency locations not served by the same metro/regional Ethernet network, ETS interconnects using transport over MPLS LSPs inside an outer MPLS tunnel through our converged IP/MPLS backbone.

CenturyLink's underlying carrier grade architecture of shared and dedicated networking elements provides a flexible data transmission service. ETS is offered as a shared or dedicated service depending on agency access requirements and LEC shared service capabilities.

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