

CenturyLink® Optical Wavelength Service (OWS)

Efficient Bandwidth through Optical Wavelength Service

The CenturyLink OWS, based on wave division multiplexing technology, enables streams of digital information to be placed upon different wavelengths of light without interference between these streams. This allows transport up to 96 channels in a single fiber strand and translates into higher network capacity for high-speed bandwidth solutions and greater cost efficiencies.

Product Description

CenturyLink's OWS provides required capacity and bandwidth for transport of agencies' voice, video, and data traffic, conforming to all mandatory standards. CenturyLink's OWS provides point-to-point, bi-directional, and duplexed connectivity using a fiber pair that connects to and interoperates with our metro and long-haul DWDM networks, an agency's intranet, or other agency networks. CenturyLink's metro wave services are connected to our ULH network for seamless local, national, and international point-to-point connectivity for an agency's intranet or connecting an agency to other agency networks.

How OWS is Provided

CenturyLink's OWS is a managed, private, point-to-point service delivered over CenturyLink's owned and operated intelligent DWDM optical network using OTN protocols. Our DWDM equipment multiplexes several wavelengths of light, or lambdas, into a composite signal that is transported over a single fiber. The composite signal is then de-multiplexed at the receiver end and each wavelength is recovered. The CenturyLink OWS network uses wavelength selective switch (WSS) technology with multi-degree reconfigurable optical add-drop multiplexers (ROADMs) or digital nodes (digital ROADMs) and interconnecting fiber optic facilities. For each channel, the OWS network is used to interconnect two agency-designated add-drop traffic locations with a point-to-point, bi-directional single link service.

Federal Solutions Group Headquarters: 4250 N. Fairfax Drive Arlington, VA 22203

For more information, contact your CenturyLink Federal Sales Representative or visit: www.centurylink.com/federal



KEY FEATURES

- Conforms to ANSI, Optical Internetworking Forum (OIF), Telcordia, and ITU standards
- Provides transmission speeds up to 100 Gbps
- Offers network management for government agencies
- Meets high availability requirements for government applications
- Includes full diversity capabilities
- Designed and provisioned with built-in reliability and resilience

