

N-Wave Enterprise Transport

Overview

N-Wave Enterprise Transport services provide wide and metro area network connectivity to support the vast missions of stakeholders among NOAA, the Department of Commerce, other federal agencies and the academic and state research technical communities. N-Wave's NOAA owned and operated national network infrastructure extends across the contiguous U.S., Alaska and Hawaii - reaching remote field sites, major campuses, data centers, supercomputing facilities and the cloud.

Service Benefits

- High bandwidth and availability
- Network core sites in Seattle, Denver, Chicago, Atlanta and McLean
- Multiprotocol Label Switching allows for the creation of end-to-end circuits across any type of transport medium, using any protocol
- Dense Wavelength Division Multiplexed fiber optic ring in the DC metro for Layer 1 transport
- Unencrypted multi-access Layer 2 and Layer 3 backbone transport services
- Encrypted point-to-point tunnel transport via IPsec VPN services
- Internet services via OMB-compliant Trusted Internet Connection Access Points
- Support for IPv4 and IPv6
- Procurement and management of metro city fiber and dark fiber services
- 24x7 Tier 1 support and expert troubleshooting from a centrally managed and geographically dispersed team of Tier 2 and 3 engineers
- Value-add engineering assessments, architecture, design and consulting
- Robust configuration management, monitoring, alerting and diagnostic tools
- Collaborative strategies for capacity planning



180 facilities nationwide, including Hawaii and Alaska

365 active network circuits

400 Gbps high-availability national network backbone

1-100 Gbps customer connectivity options, with flexibility to accommodate smaller connections to meet unique needs

Security Controls

As an added value, N-Wave offers security controls for inheritance to its customers.

N-Wave Enterprise Transport customers can inherit the following controls through CSAM:

- AC-4 – Information Flow Enforcement
- CP-8, CP-8(1) (2) (3) (4) – Telecommunications Services



For more information about how N-Wave Cloud Transport can meet your needs, submit a [**New Service Request**](#).

You can also visit the N-Wave website:
[**nwave.noaa.gov**](http://nwave.noaa.gov)