



GEO, MEO, and LEO satellite services leveraging 20+ years experience supporting 100+ satellite locations throughout Alaska



19 microwave towers, covering over 600 miles of interior Alaska providing secure point-to-point (PtP) & point-to-multi-point (PtMP) wireless networking with redundant solar, wind, battery, and generator power.



Gig-E+ fiber-optic broadband connectivity from Nome to Prudhoe Bay using a resilient network design engineered for harsh arctic environments and redundant fiber connections to the Internet from Seattle, WA.

Reliable High-Speed Broadband Solutions for Alaskan Schools

Integrating fiber-optic, microwave, and multi-orbit satellite services (LEO, MEO, & GEO) for resilient connections to the Internet.

In Alaska's vast and often isolated regions, dependable Internet access is essential for modern education. SES Space & Defense, a subsidiary of SES, delivers high-speed, cost-effective broadband solutions that empower schools to thrive—no matter how remote the location.

We combine resilient fiber-optic, microwave, and multi-orbit satellite networks to ensure every school has access to fast, secure, and scalable connectivity. Our services are tailored to each site's unique needs, enabling seamless digital learning, cloud access, and collaboration tools that support both students and educators.

Our technology suite includes smart caching, acceleration, and compression systems that optimize bandwidth and reduce costs—so your network performs better, even under extreme demands. With 24/7/365 network operations and mission-critical reliability, we're committed to keeping your classrooms connected and your systems running smoothly.

We also bring deep expertise in the USAC E-rate program, helping districts unlock funding and maximize their technology investments. From application support to compliance, we guide you every step of the way.

At SES Space & Defense, we're more than a provider—we're your strategic partner in building a future-ready learning environment for every student in Alaska.

For over 25 years, SES Space & Defense has been a communications & technology partner to remote health care clinics and rural school districts all over Alaska and is accustomed to meeting the most demanding operational requirements in the state. SES Space & Defense provides comprehensive services from network design and build, to network operations and management, while our full life-cycle sustainment services keep end-users satisfied with reliable and optimized communication solutions.

SES Space & Defense provides multi-orbit (LEO, MEO, and GEO) satellite communications to over 100 sites across Alaska and operates an extensive microwave network delivering reliable communications to under-served communities. The fiber connections to Prudhoe Bay enables SES Space & Defense to provide point-to-point (PtP) and point-to-multi-point (PtMP) high-speed wireless broadband services in Deadhorse and the larger Prudhoe Bay area.

End-to-End Managed Services & Applications:

- Fully integrated GEO, MEO, and LEO satellite services, microwave, and
- fiber-optic networks for optimized delivery of data, voice, and video.
- Wireless - Campus WiFi/5G
- Broadband Internet Access
- Multi-casting
- Virtual Private Networks (VPN) - Layer-2, Layer-3, and Virtual Private Local Area Network Service (VPLS)

Cyber Services:

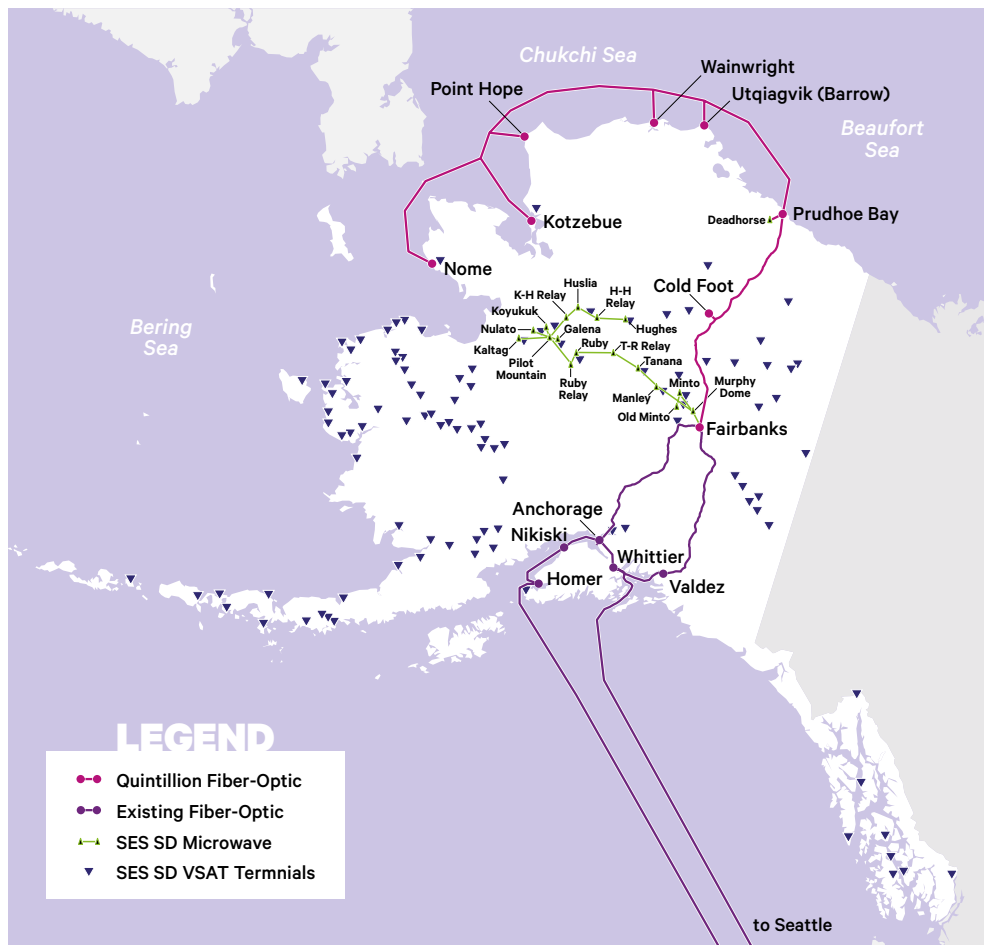
- Identity & Access Management
- Vulnerability Assessment, System Scanning, Problem Investigation
- Governance, Strategy & Compliance
- Training, Education & Awareness

24x7x365 Global Network Operations & Security Center (NOSC):

- Network Monitoring
- Help Desk with Tier I, II, & III Support
- Trouble Ticket System
- Customized performance reports

Technology Support:

- Network Design & Build
- Systems Engineering & Integration
- Operations, Maintenance, and
- Full Life-cycle Sustainment
- IT Service Management
- Software/Hardware Support, Troubleshooting, Repair & Replacement
- Program Management



For additional information, contact:

Vickie Kelly

SES Space & Defense

+1 907 231 5233

Vickie.Kelly@sessd.com



Learn more about our full portfolio of services and solutions at [sessd.com](https://www.sessd.com)

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