



Ethernet Services (EPL/EVPL)

LOW LATENCY, SATELLITE-ENABLED POINT-TO-POINT CONNECTIVITY

With the performance, reliability and security of SES Networks' Ethernet Virtual Private Line (EPL) and Ethernet Virtual Private Line (EVPL) services, enterprises and governments can bypass the public internet to directly connect to Cloud Service Providers, private cloud resources, enterprise applications, and IoT platforms anywhere. Extend networks and/or provide wholesale services with dedicated low latency, high throughput, always-on connectivity that enables the exceptional Quality of Experience (QoE) demanding users expect.

Why SES Networks for Ethernet Services?

Customer connectivity requirements often extend well beyond the satellite segment. By leveraging the unique combination of its satellite and extensive terrestrial fiber network, complete portfolio of connectivity partners, and Tier 1 Ethernet peering relationships, SES Networks can deploy fully managed Ethernet Services, with a true cross-provider, end-to-end service level guarantee of 99.5%-99.9% availability (dependent on location and configuration).

Intelligent Delivery Platform

SES Networks' innovative connectivity platform enables modern, carrier-grade communications around the globe using MEO and GEO satellite constellations as a unique combined space and terrestrial-based low latency, high throughput infrastructure over which carriers, ISPs, MNOs, governments and enterprises can consume broadband and mobile communications solutions. SES Networks' solution features 99.5-99.9% availability dependent on the location and configuration and features:

- Global Tier 1 Carrier Ethernet Exchange peering
- Redundant Tier 1 connectivity
- Redundant PoP and gateway infrastructure
- Interconnection with top cloud (IaaS, PaaS, SaaS) and Content Delivery Networks (CDNs)
- Continuous proactive monitoring and analytics
- 24x7 Network Operations Centers (NOCs)

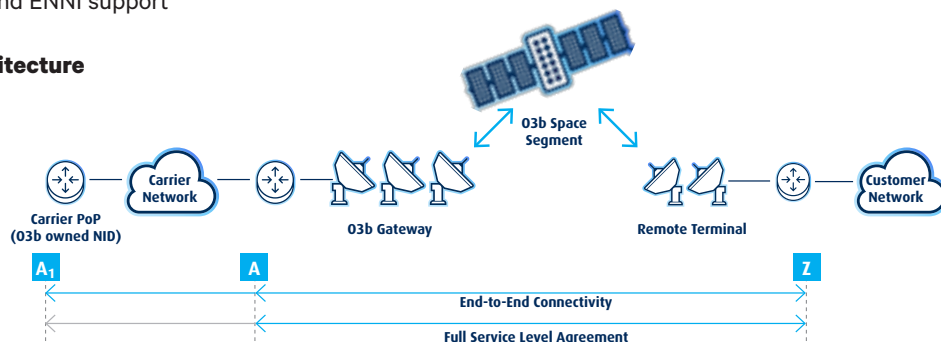
Key Features

- Low latency, high throughput connectivity anywhere
- MEF ready point-to-point, fiber equivalent services
- Industry standard QoS and CoS capabilities
- Scales from 10Mbps upwards in 10Mbps increments
- Combined end-to-end satellite/terrestrial segment SLA
- Extensive terrestrial network
- Established Carrier Ethernet Exchange peering
- Y.1731 delay, jitter and loss measurement
- 802.3ag connectivity fault measurement
- Y.1564 service activation testing
- Configurable control-protocol transparency
- Hierarchical policing and scheduling
- Ability to protection switch at defined minimum
- Resilient UNI and ENNI support

Benefits

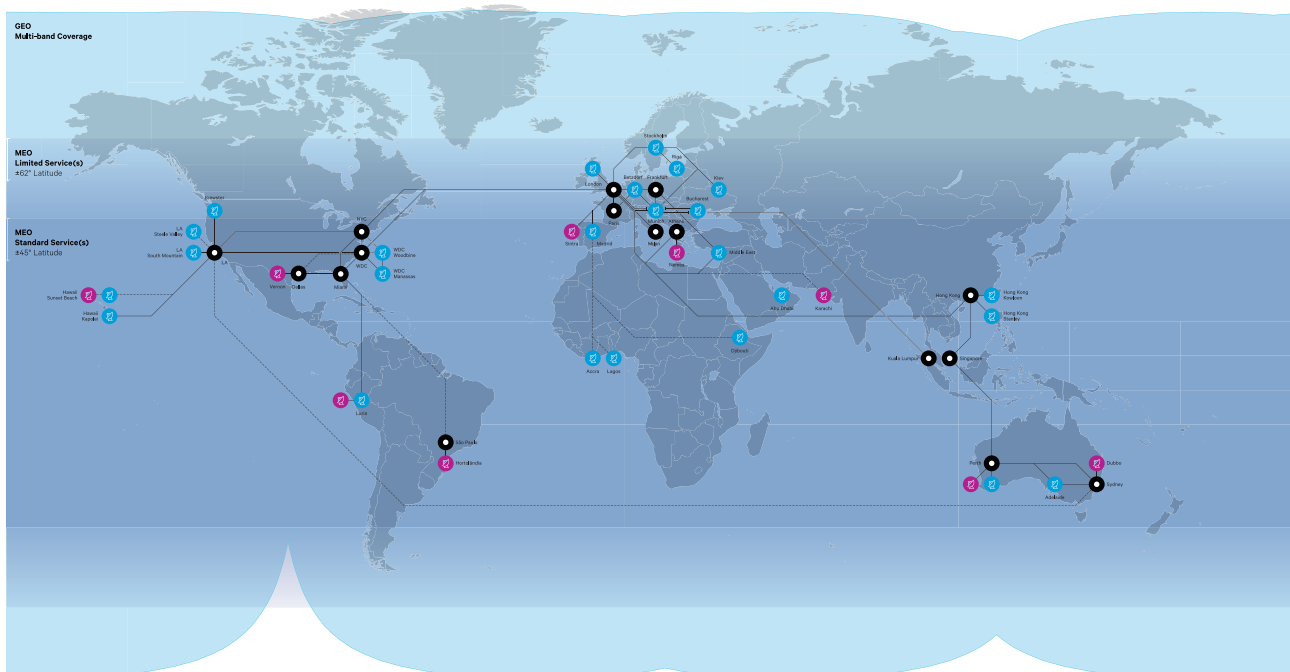
- Expand mobile and broadband services quickly
- Connect directly to cloud services
- Private connectivity services for government users
- Better price to performance for higher volumes
- Fewer network hops provides a better experience
- No need for Ethernet peering negotiations
- Ensures customer SLAs are adhered to
- Reduce implementation risk and upfront CAPEX
- Easy to budget, one monthly OPEX service price
- Avoid operations and maintenance costs
- Affordable, high capacity data center connectivity
- Plan connections and backup routes in advance
- Full customer visibility via easy to use portal

EPL/EVPL Architecture



SES Networks' EPL/EVPL services are low latency, high throughput, private point-to-point physical and virtual network connections between two points. They provide unparalleled Quality of Service (QoS) for satellite and terrestrial connections, allowing for superior control, reliability and performance.

COVERAGE MAP



MEO gateway



GEO gateway



Point of presence (POP)

Existing link

Future link

Learn more about SES Networks' full portfolio of services and solutions.
Website: ses.com/networks

