

Trunk mPOWERED

Extend and protect your core network anywhere

323K

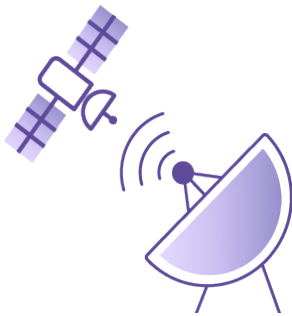
small population centers
across the globe that are
still underserved by
broadband networks



Industry Perspective

According to Northern Sky Research (NSR), approximately 323,000 small population centers across the globe are still underserved by broadband networks, creating a large addressable market that will drive the demand for backhaul from 224 Gbps in 2021 to an estimated 22 Tbps in 2030 - a nearly 100-fold increase. Yet, fiber is often too costly to extend to remote locations, and microwave infrastructure re-

quires significant resources to operate. Reliable high-throughput, low-latency satellite trunking is an essential solution for network operators who provide critical broadband services to business, government, and residential end-users. These services can bring connectivity to underserved regions, improve network resiliency in existing critical locations, and enable rapid deployment of services for disaster recovery, network restoration, and special events.



Service Description

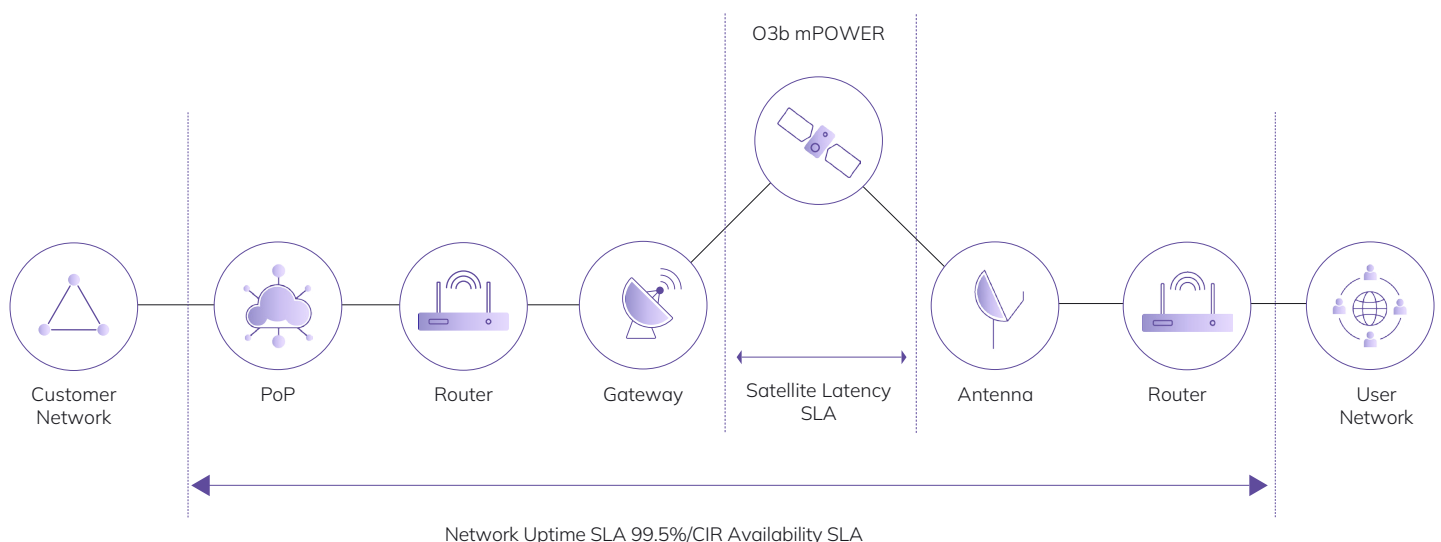
SES's Trunk mPOWERED service enabled by O3b mPOWER can deliver up to multi-gigabit links of uncontended capacity anywhere, helping to extend your core network to remote, underserved, or temporary locations and do it cost-efficiently and faster than any land-based alternative.

With predictable performance and consistent low latency—under 150 ms roundtrip—Trunk mPOWERED guarantees data, video, cloud, and any other data-intensive application to run without unexpected service degradations. Its unmatched scalability also provides the assurance your business needs, quickly expanding by hundreds of Mbps and up to 1.5 Gbps on a single terminal to support both short- and long-term business demands.

Trunk mPOWERED delivers agility and flexibility unrivaled by any other satellite-based trunk service today. You can modify link symmetry by hundreds of Mbps within hours or reassign bandwidth across O3b mPOWER sites on your network, even COTP terminals within the coverage area. Leveraging thousands of electronically steered beams, O3b mPOWER also gives you the capability to route traffic to the gateway that best fits your network requirements—helping you reduce operational costs, maximize network performance, and easily comply with regulations.

Reaching untapped markets via terrestrial-based solutions can be time consuming and expensive. But O3b mPOWER accelerates time to market, delivers fiber-like low-latency performance, and protects your investment with ground terminals that can support your network's growth over a longer service lifecycle than any other satellite service, from Mbps to Gbps.

Extending your core network with Trunk mPOWERED





Technical Specifications

Trunk mPOWERED is available in Pro and Premium service packages, allowing you to select the service option that best fits your networking requirements.

Constellation

Capacity packages

Network uptime SLA

CIR availability SLA

Satellite latency SLA

Customer portal includes

Link agility

Portability

Flex handoff

Available terminal bundles

Pro

O3b mPOWER

Minimum Service Data Rate (SDR) per site of 50 Mbps (FWD+RTN):

	Min.	Max.	Increment
FWD	10	1,000	10
RTN	5	500	10

Contact SES Sales for exact details of our SLAs

Service availability, network uptime, and latency

Choose symmetric or asymmetric links, with available higher service data rate requests for a limited time

Port bandwidth across fixed terminals

Connect to the default SES On-net PoP

2 x 1.3m 20W
2 x 2.4m 40W

Premium

O3b mPOWER

Minimum SDR per customer of 100 Mbps, 30 Mbps per site, and 1.5 Gbps maximum per site (FWD+RTN)

	Min.	Max.	Increment
FWD	25	1,000	25
RTN	10	500	25

Contact SES Sales for exact details of our SLAs

Service availability, network uptime, latency, jitter, and packet loss

Choose symmetric or asymmetric links, with available higher service data rate requests for a limited time

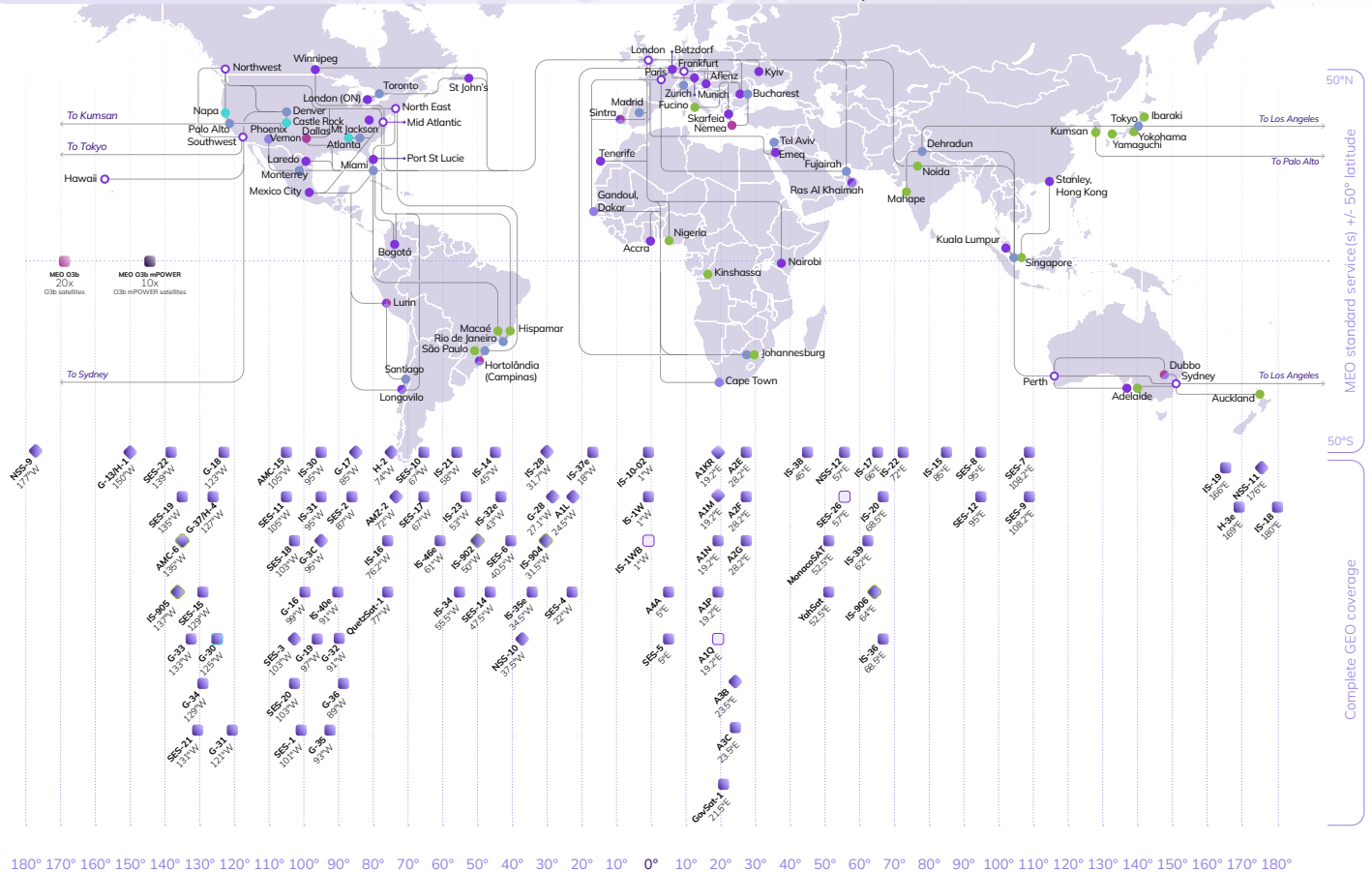
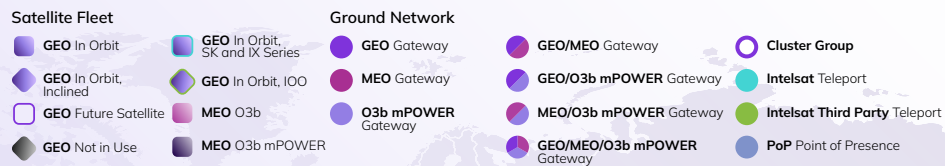
Port location or capacity among COTP terminals, within 1 million sq. km service areas. Limited to 12xN port requests per year, per customer, shared among N active terminals

Connect to On-net, Off-net, on-premises, or direct-to-cloud PoP

2 x 1.2m 20W (Vehicular terminal)
2 x 1.2m 40W (Vehicular or non-vehicular terminal)
2 x 2.4m 40W (Non-vehicular terminal)

Trunk mPOWERED service packages also offer Performance Monitoring, allowing customers to monitor network uptime (%), service data rate (Mbps), latency (ms), jitter (ms), and frame loss ratio (%) for a window of up to 90 days depending on the selected service package.

Satellite Fleet & Ground Network



Reimagine your business with Trunk mPOWERED



Learn more about our
purpose-built satellite and
connectivity solutions at
ses.com

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Not all satellite networks can match Trunk mPOWERED for performance, reliability, cost efficiency, and flexibility. With groundbreaking return throughput and low-latency performance backed by robust service level agreements, and

comprehensive packages offered with a range of value-added services, Trunk mPOWERED helps you extend your core network to reach new customers even in remote and hard-to-reach areas.