Trunk mPOWERED
EXTEND AND PROTECT YOUR CORE NETWORK ANYWHERE

INDUSTRY PERSPECTIVE

According to Northern Sky Research (NSR), approximately 323,000 small population centres across the globe are still under-served by broadband networks, creating a large addressable market that will drive the demand for backhaul—from 224Gbps in 2021 to an estimated 22Tbps in 2030. Yet, fibre is often too costly to extend to remote locations, and microwave infrastructure requires significant resources to operate. For network operators who provide business, government, and residential end-users with critical broadband services, reliable high-throughput and low-latency satellite trunking is an essential solution—not only to reach under-served regions, but also to increase network resiliency in existing critical locations.

SES | O3b **mPOWER**
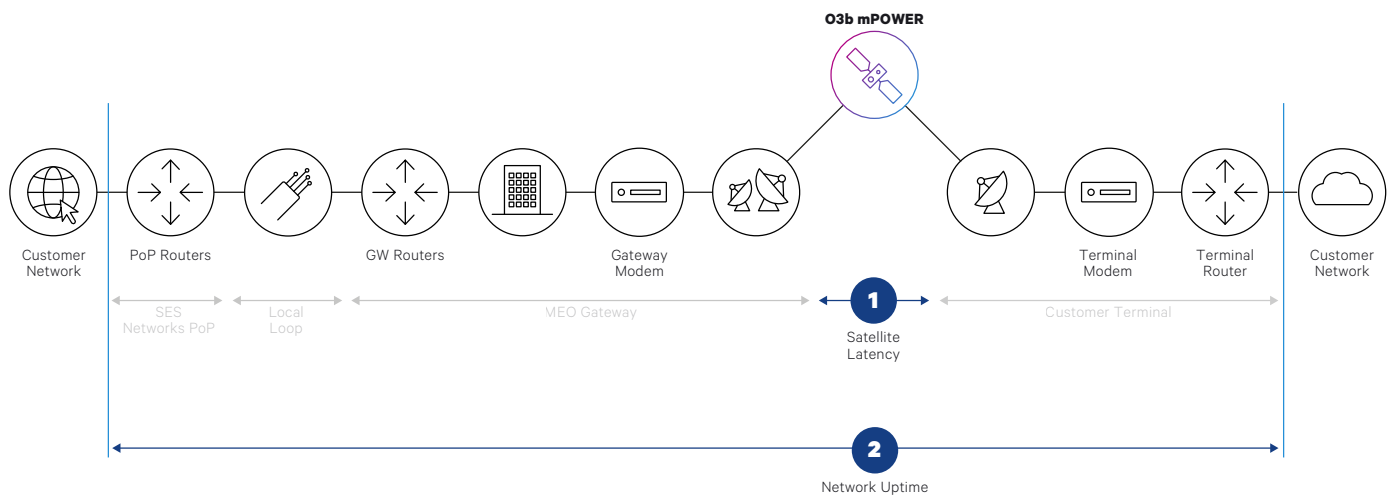
SERVICE DESCRIPTION

The Trunk mPOWERED service, enabled by O3b mPOWER—our next-generation medium Earth orbit (MEO) communications system—helps you extend your core network to under-served areas, quickly and economically. Use uncontended, multi-gigabit network services to meet universal service obligations, accelerate entry to new markets, and capture untapped revenue opportunities.

Leveraging thousands of electronically steered beams and software-driven resource control, O3b mPOWER provides you with the flexibility to route traffic to the gateway that best fits your network requirements—helping you reduce operational costs, maximise network performance, and easily comply with regulations.

While reaching untapped markets via terrestrial-based solutions can be time-consuming and expensive, O3b mPOWER accelerates time to market, delivers fibre-like low-latency performance, and extends reach using the same standards-based technologies employed by network operators worldwide.

We deliver a transparent service experience focused on ease of business, with unrivalled support at every step—from ensuring your service is deployed on time and as per the agreed plan, to maintaining its health and delivering optimal network performance throughout the service duration.

Extending your core network with Trunk mPOWERED

O3b mPOWER

| Customer Network | PoP Routers | | GW Routers | | Gateway Modem | | | | Terminal Modem | Terminal Router | Customer Network |

SES Networks PoP · Local Loop · MEO Gateway · Customer Terminal

1 Satellite Latency

2 Network Uptime

TECHNICAL SPECIFICATIONS

Trunk mPOWERED is available in two service packages—Pre-Launch Special or Pro—allowing you to select the service option that best fits your networking requirements.

	PRE-LAUNCH SPECIAL	**PRO**
Constellation	O3b mPOWER	O3b mPOWER
Connectivity transport service	Layer 2 Ethernet P2P E-Line service (E-Access/E-Transit), Layer 3 IP transport	Layer 2 Ethernet P2P E-Line service (E-Access/E-Transit), Layer 3 IP transport
Capacity packages	CIR-based, minimum combination of 150Mbps (FWD+RTN):	CIR-based, minimum combination of 100Mbps (FWD+RTN):

	Min.	Max.	Increment		Min.	Max.	Increment
FWD	100	1500	50	FWD	10	1500	Flexible
RTN	50	750	50	RTN	10	750	Flexible

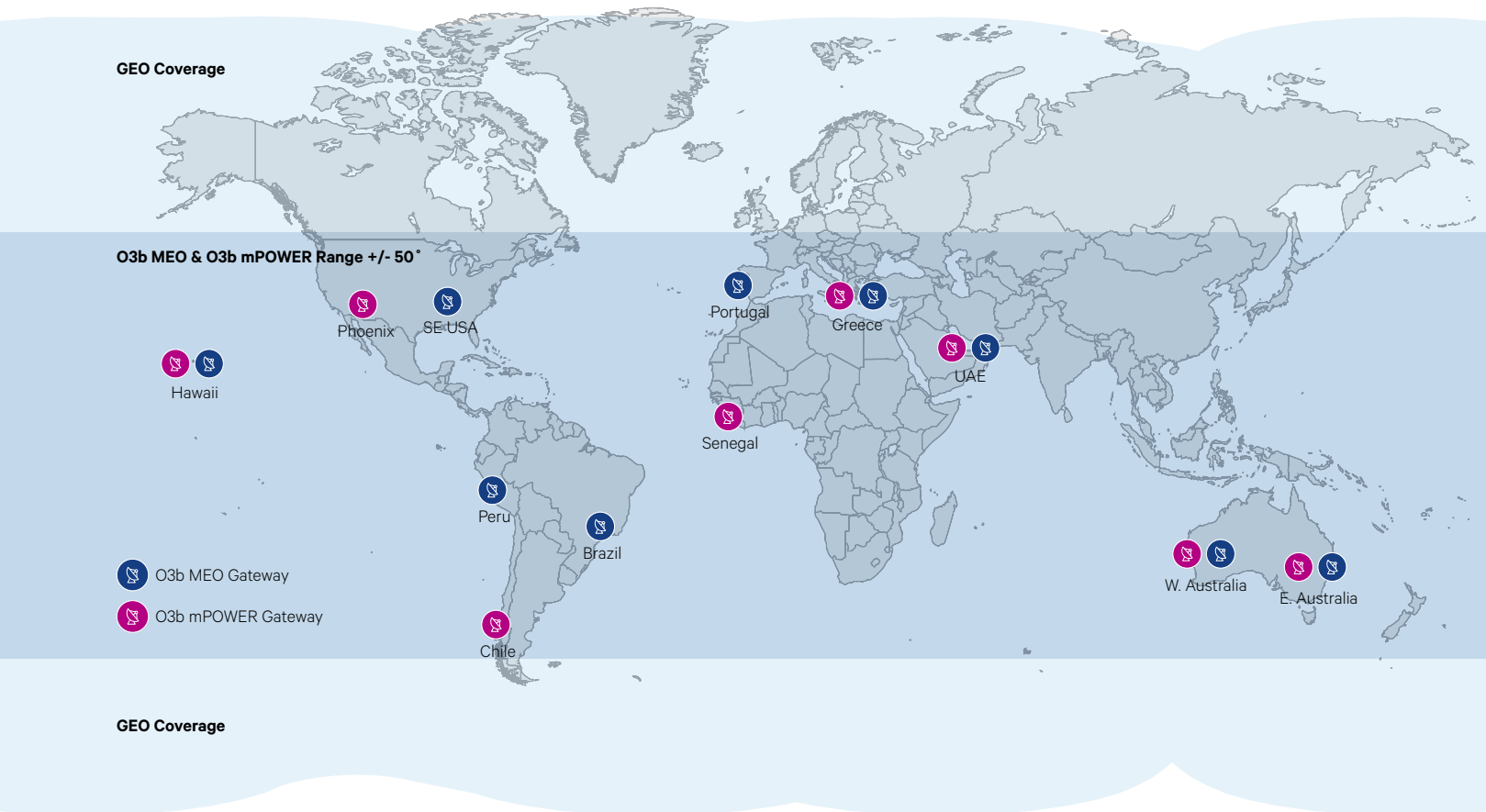|	**PRE-LAUNCH SPECIAL**	**PRO**
Link flexibility	FWD:RTN ratios of 2:1 or 4:1, and FWD-only links are available	Symmetric or asymmetric link ratios (chosen by customer), or FWD-only links
Network uptime SLA	≥99.5%	≥99.5%
Round-trip satellite latency SLA	≤150ms	≤150ms
Customer interface— remote	10GbE	10GbE
Customer portal	Available (includes throughput consumption, uptime, and latency)	Available (includes throughput consumption, uptime, and latency)
Antenna size	2 x 2.4m 40W 2 x 1.2m 20W	2 x 2.4m 40W 2 x 1.2m 20W

Note

The Pre-Launch Special package will be replaced with the Prime package before O3b mPOWER becomes commercially available.

A variety of value-added services can be added to all Trunk mPOWERED service levels:

- SES Cloud Direct: Private, dedicated connectivity to major cloud service providers from any customer endpoint.

- Customer-defined Point of Presence (PoP): Customers can select any PoP location for traffic handoff, even those not in SES's network.

- Data API Access: Application Protocol Interface (API) feeds provide network operation and reporting of attributes such as throughput, latency, uptime, and jitter.

GLOBAL COVERAGE MAP

GEO Coverage

O3b MEO & O3b mPOWER Range +/- 50˚

Phoenix

SE USA

Hawaii

Portugal

Greece

UAE

Senegal

Peru

Brazil

O3b MEO Gateway

O3b mPOWER Gateway

W. Australia

E. Australia

Chile

GEO Coverage

REIMAGINE YOUR BUSINESS WITH TRUNK mPOWERED

Extending your network beyond its current boundaries is crucial to reaching new markets, and enabling essential network services for under-served businesses, government agencies, and residential end-users. With ground-breaking 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.

Learn how Trunk mPOWERED can help you accelerate your regional reach and growth.

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For more information, please
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