



## TRUNK mPOWERED

Extend and protect your core network anywhere

# 323K

small population centres across the globe are still under-served by broadband networks

### 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.





## SERVICE DESCRIPTION

The Trunk mPOWERED service enabled by O3b mPOWER brings unrivalled satellite throughput capable of delivering up to multi-gigabit links of uncontended capacity anywhere, helping to extend your core network to remote and underserved areas – and do it cost-efficiently and faster than any land-based alternative.

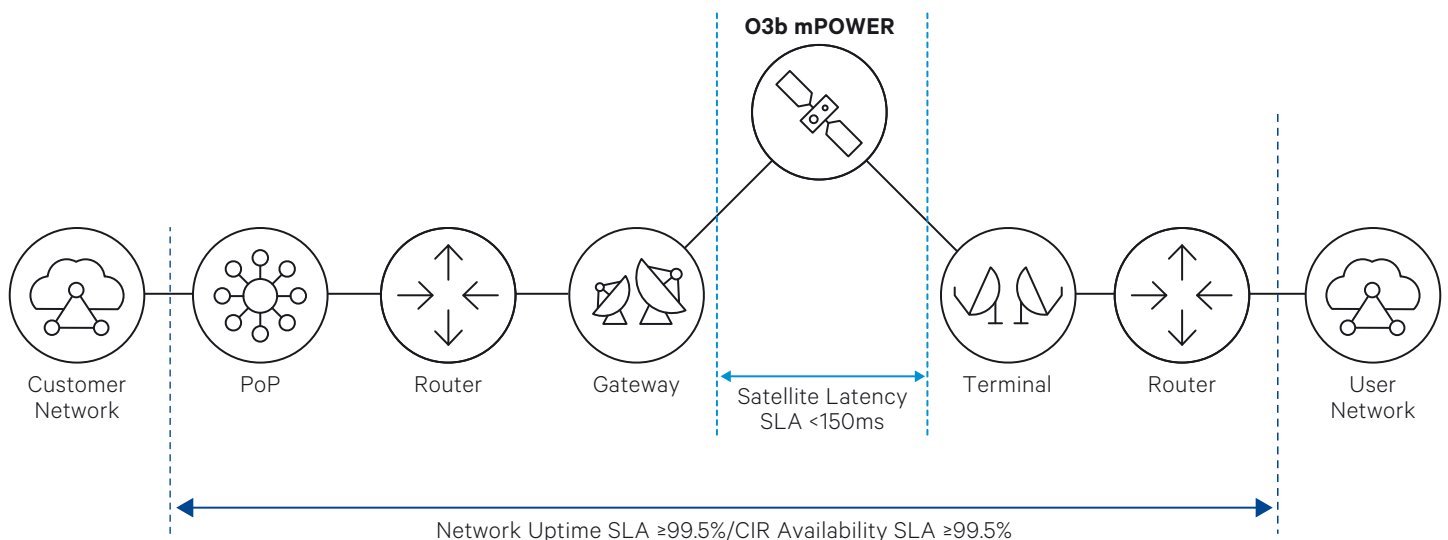
With predictable performance based on uncontended capacity and consistent low-latency – as low as 150ms – Trunk mPOWERED guarantees data, video, cloud, gaming and any other data-intensive application to run without unexpected service degradations. Its unmatched scalability also provides the assurance your business needs, quickly expanding by hundreds of Mbps and up to 1.5Gbps on a single terminal to support your business demands, temporarily or permanently.

Trunk mPOWERED empowers your operation with agility and flexibility,

unrivalled by any other satellite-based trunk service today. Modify link symmetry by hundreds of Mbps within hours or reassign bandwidth across O3b mPOWER sites on your network, or even to Communications On The Pause (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, maximise 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 fibre-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

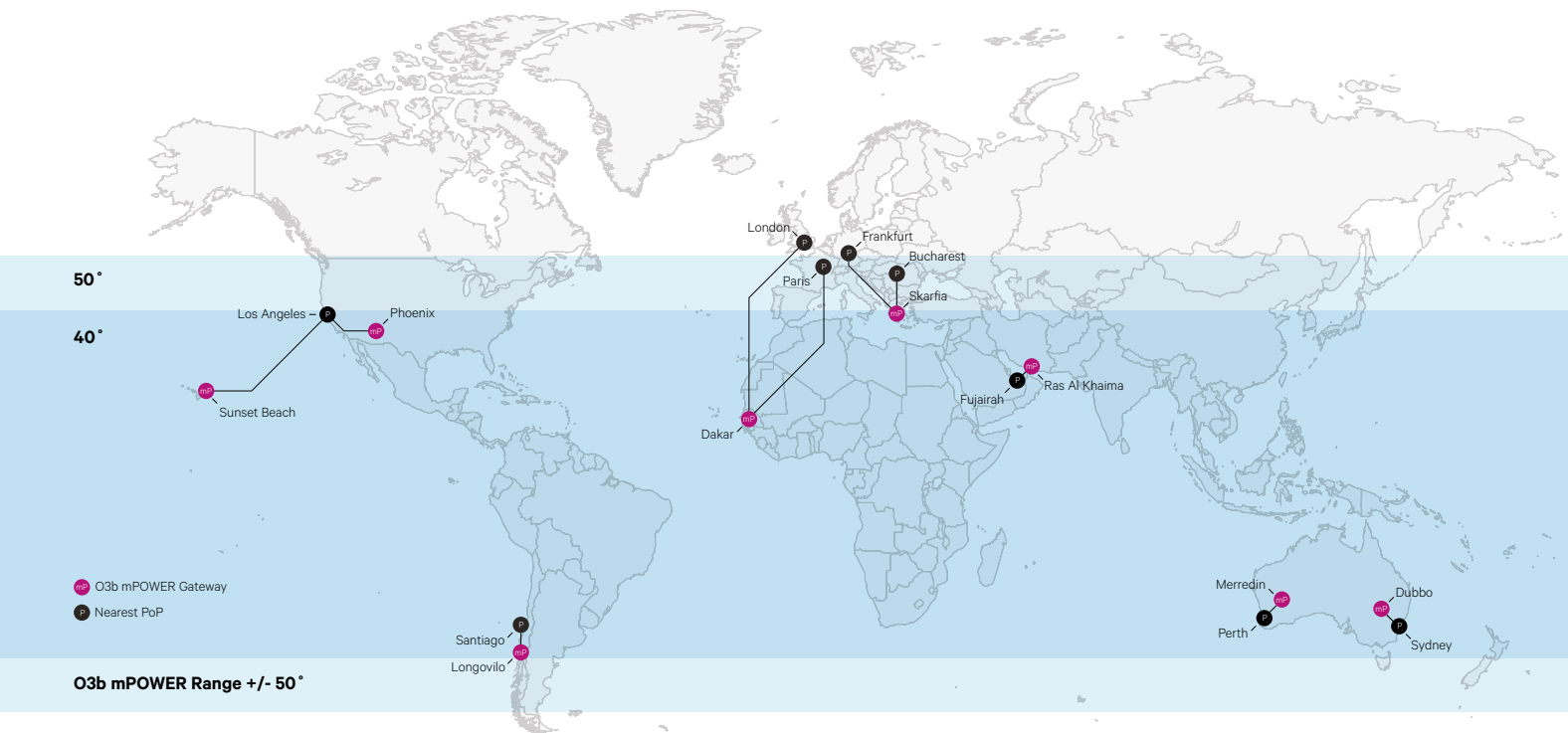
Trunk mPOWERED is available in three service packages – Prime, Pro, and Premium – allowing you to select the service option that best fits your networking requirements.

	Prime	Pro	Premium																																				
<b>Constellation</b>	O3b mPOWER	O3b mPOWER	O3b mPOWER																																				
<b>Capacity packages</b>	Minimum Service Data Rate (SDR) per site of 50Mbps (FWD+RTN): <table> <tr> <th></th><th>Min.</th><th>Max.</th><th>Increment</th></tr> <tr> <td>FWD</td><td>25</td><td>1000</td><td>10</td></tr> <tr> <td>RTN</td><td>10</td><td>500</td><td>10</td></tr> </table>		Min.	Max.	Increment	FWD	25	1000	10	RTN	10	500	10	Minimum Service Data Rate (SDR) per site of 100Mbps (FWD+RTN): <table> <tr> <th></th><th>Min.</th><th>Max.</th><th>Increment</th></tr> <tr> <td>FWD</td><td>10</td><td>1500</td><td>10</td></tr> <tr> <td>RTN</td><td>10</td><td>750</td><td>10</td></tr> </table>		Min.	Max.	Increment	FWD	10	1500	10	RTN	10	750	10	Minimum Service Data Rate (SDR) per site of 300Mbps (FWD+RTN): <table> <tr> <th></th><th>Min.</th><th>Max.</th><th>Increment</th></tr> <tr> <td>FWD</td><td>50</td><td>multi-Gbps</td><td>50</td></tr> <tr> <td>RTN</td><td>50</td><td>750</td><td>50</td></tr> </table>		Min.	Max.	Increment	FWD	50	multi-Gbps	50	RTN	50	750	50
	Min.	Max.	Increment																																				
FWD	25	1000	10																																				
RTN	10	500	10																																				
	Min.	Max.	Increment																																				
FWD	10	1500	10																																				
RTN	10	750	10																																				
	Min.	Max.	Increment																																				
FWD	50	multi-Gbps	50																																				
RTN	50	750	50																																				
<b>Network uptime SLA</b>	≥ 99.5%	≥ 99.5%	≥ 99.5%																																				
<b>CIR availability SLA</b>	≥ 99.5%	≥ 99.5%	≥ 99.5%																																				
<b>Satellite latency SLA</b>	< 150ms	< 150ms	< 150ms																																				
<b>Customer portal includes</b>	Service availability, network uptime, and latency	Service availability, network uptime, and latency	Service availability, network uptime, latency, jitter, and packet loss																																				
<b>Link agility</b>	Choose from pre-defined link ratios (1:1 to 16:1)	Choose symmetric or asymmetric links, with available higher service data rate requests for a limited time	Choose symmetric or asymmetric links, with available higher service data rate requests for a limited time																																				
<b>Burst-ability</b>	Not available	Not available	Available: sporadic high throughput demands (on top of SDR) to meet temporary traffic variance.																																				
<b>Portability</b>	Not available	Port bandwidth across fixed terminals	Port bandwidth or location across fixed and COTP terminals																																				
<b>Flex handoff</b>	Connect to the default SES On-net PoP	Connect to the default SES On-net PoP	Connect to On-net, Off-net, on-premises, or direct-to-cloud PoP																																				
<b>Available terminal bundles</b>	2 x 1.3m 20W 2 x 2.4m 40W	2 x 2.4m 40W	2 x 1.3m 20W 2 x 2.4m 40W																																				

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.



## GLOBAL COVERAGE MAP



## REIMAGINE YOUR BUSINESS WITH TRUNK mPOWERED

Extending your network beyond its current boundaries is crucial to reaching new markets, as well as enabling essential network services for under-served businesses, government agencies, and residential end-users. However, not all satellite networks can match Trunk mPOWERED for performance, reliability, cost efficiency

and flexibility. With groundbreaking 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.



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

Copyright © 2022 SES. All specifications subject to change without notice.