



SOVEREIGN FIXED ENTERPRISE mPOWERED

Connect your fixed assets anywhere

High-bandwidth, low-latency communications are now becoming a necessity for successful global operations.

INDUSTRY PERSPECTIVE

As government land-based assets become more sophisticated, connecting them with geographically distributed infrastructure and analysis facilities requires next-generation data services. Conventional satellite communication services are no longer sufficient. A modern foreign station might generate hundreds of gigabytes of data per day,

producing much-needed intelligence and operational data. High-bandwidth, low-latency communications are now becoming a necessity for successful global operations. In areas where fibre connectivity is unavailable, unreliable, or subject to interdiction and surveillance, modern satellite communications offer the only feasible solution.



SERVICE DESCRIPTION

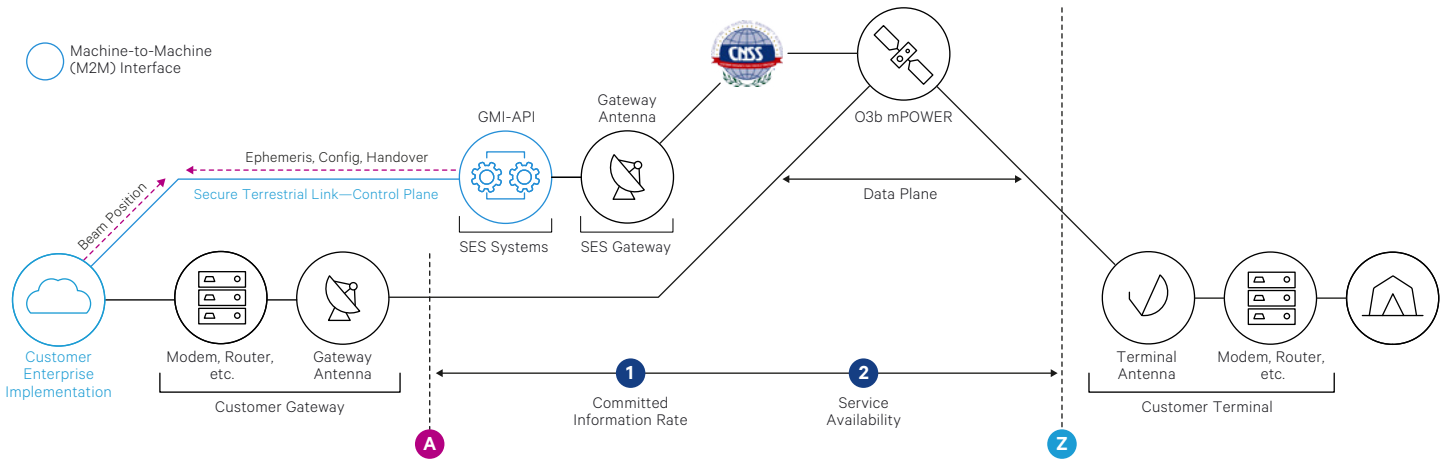
The Sovereign Fixed Enterprise mPOWERED service delivers a fibre-like, ultra-high-throughput, low-latency experience to forward operating bases (FOB), camps, humanitarian missions, and any remote government operation in need of network resiliency or primary connectivity.

Our customers in the government segment, and the contractors who serve them, can configure and manage reliable connectivity up to 1.8Gbps to a single terminal. They can enhance sovereign control by landing traffic at government gateways, defining custom private network topologies, and deploying preferred terminals, waveforms, and encryption.

The availability of air-transportable ground terminals enables the rapid creation of new networks, or the reconstitution of networks damaged during crisis events. The service supports standard military encryption solutions—including High Assurance Internet Protocol Encryptor (HAiPE) devices—and encompasses a full range of command and control, enterprise applications, and morale, welfare and recreation (MWR) services, even where fibre is unavailable or unreliable.

With Sovereign Fixed Enterprise mPOWERED, we deliver a transparent service experience with unrivalled support at every step—from ensuring expert network deployment to maintaining optimal, predictable performance throughout the service lifecycle.

Unparalleled performance, operational flexibility, and scale—with enhanced government control





TECHNICAL SPECIFICATIONS

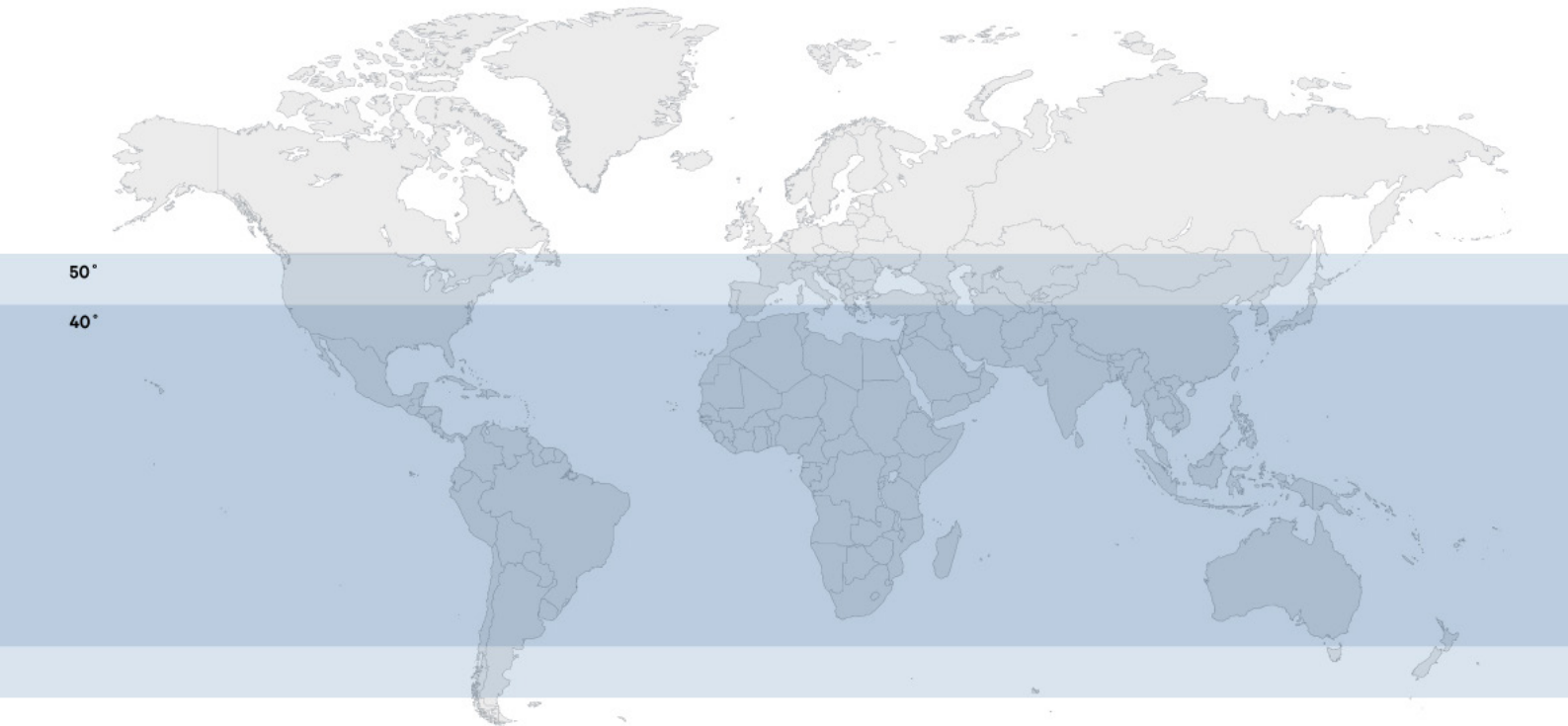
The Sovereign Fixed Enterprise mPOWERED service is available in two packages: Tier 2 (up to 1.8Gbps), and Tier 3 (up to 800Mbps). A Tier 1 service will be introduced at a later date.

Constellation	O3b mPOWER		
Connectivity transport service	Physical Layer-1 transmits data between two RF endpoints over radio frequency		
Service availability SLA	99.5%		
Network latency SLA	150ms RTT		
Gateway	Customer gateway		
	Tier 1	Tier 2	Tier 3
Terminal options	Not available at start of service	<p>Option 1 Customer-selected SES-certified modems and terminals</p> <p>Option 2 SES-provided AvL or Viasat 2.4m terminal, one-time payment</p> <p>Option 3 SES-provided AvL or Viasat 2.4m terminal, payment plan included in MRC</p>	<p>Option 1 Customer-selected SES-certified modems and terminals</p> <p>Option 2 SES-provided Intellian 1.3m or ReQuTech 1.2m, one-time payment</p> <p>Option 3 SES-provided Intellian 1.3m or ReQuTech 1.2m, payment plan included in MRC</p>
Antenna/BUC	N/A	2.4m / 40W	1.2m or 1.3m / 20W or 40W
Capacity packages	N/A	FWD: ≤1,200Mbps RTN: ≤600Mbps	FWD: ≤600Mbps RTN: ≤200Mbps
Link flexibility	Customers can choose from FWD/RTN ratios of 3:1, 2:1, 1:1, 1:2, or 1:3		
Coverage Within +/- 50° latitude	Regional service within customer-defined operational area		
O3b mPOWER HW compatibility certification	Customer sponsorship; vendor action		
API integration	Customer sponsorship; vendor action		

The Sovereign Fixed Enterprise mPOWERED service offers a range of features based on the requirements of government users:

- The use of customer-selected terminal hardware (subject to certification) ensures that existing equipment in your network can continue to be used to create mission-optimised ground elements.
- Ability to execute secure mobility, land traffic at your sovereign gateway, define unique government private network topologies, and use the waveform and encryption of your choice.
- Capability to add resilience to deployed networks with transportable ground terminals that enable rapid network creation and reconstitution.

GLOBAL COVERAGE MAP



REIMAGINE YOUR GLOBAL COMMUNICATIONS WITH SOVEREIGN FIXED ENTERPRISE mPOWERED

Having ample bandwidth, reconfigurable on a per-location basis, allows your ground-based assets to remain in constant touch with other systems anywhere in the world, enabling them to deliver intelligence and operational data in a reliable and timely manner.

O3b mPOWER delivers a fibre-like, ultra-high-throughput, low-latency experience to forward operating bases, camps, humanitarian missions, and any remote government operation in need of primary connectivity or network resiliency.

Learn how [Sovereign Fixed Enterprise mPOWERED](#) can help you optimise communications with your remotely deployed operations.



Learn more about our full portfolio of services and solutions at ses.com.

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