



## **SOVEREIGN FIXED ENTERPRISE mPOWERED**

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Connect your fixed assets anywhere

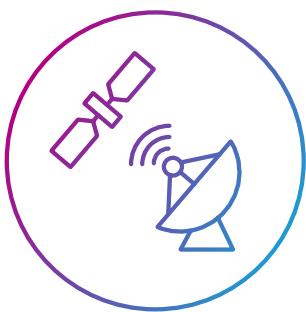
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High-bandwidth,  
low-latency  
communications  
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operations.

### **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.

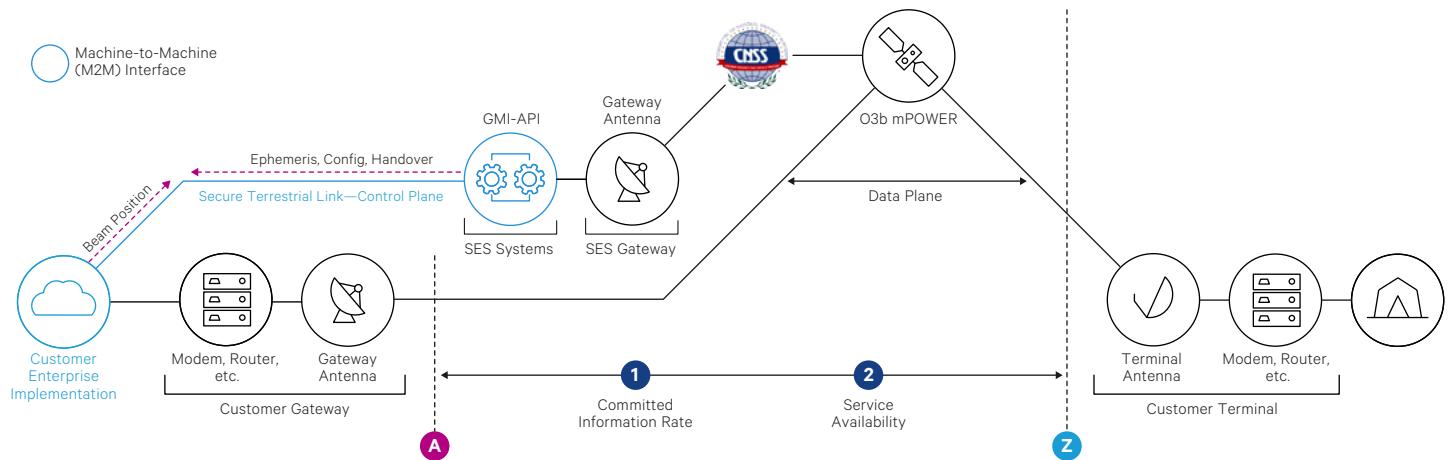
Our customers in the government segment, and the contractors who serve them, can configure and manage reliable connectivity up to 1.8Gbps to a single terminal. They can enhance sovereign control by landing traffic at government gateways, defining custom private network topologies, and deploying preferred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

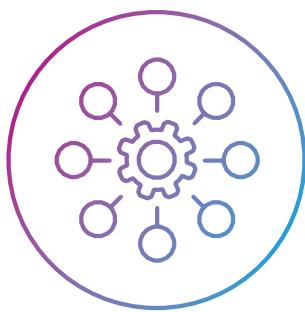
The availability of air-transportable ground terminals enables the rapid creation of new networks, or the reconstitution of networks damaged during crisis events. The service supports standard military encryption solutions—including High Assurance Internet Protocol Encryptor (HAIPE) devices—and encompasses 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.

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





## TECHNICAL SPECIFICATIONS

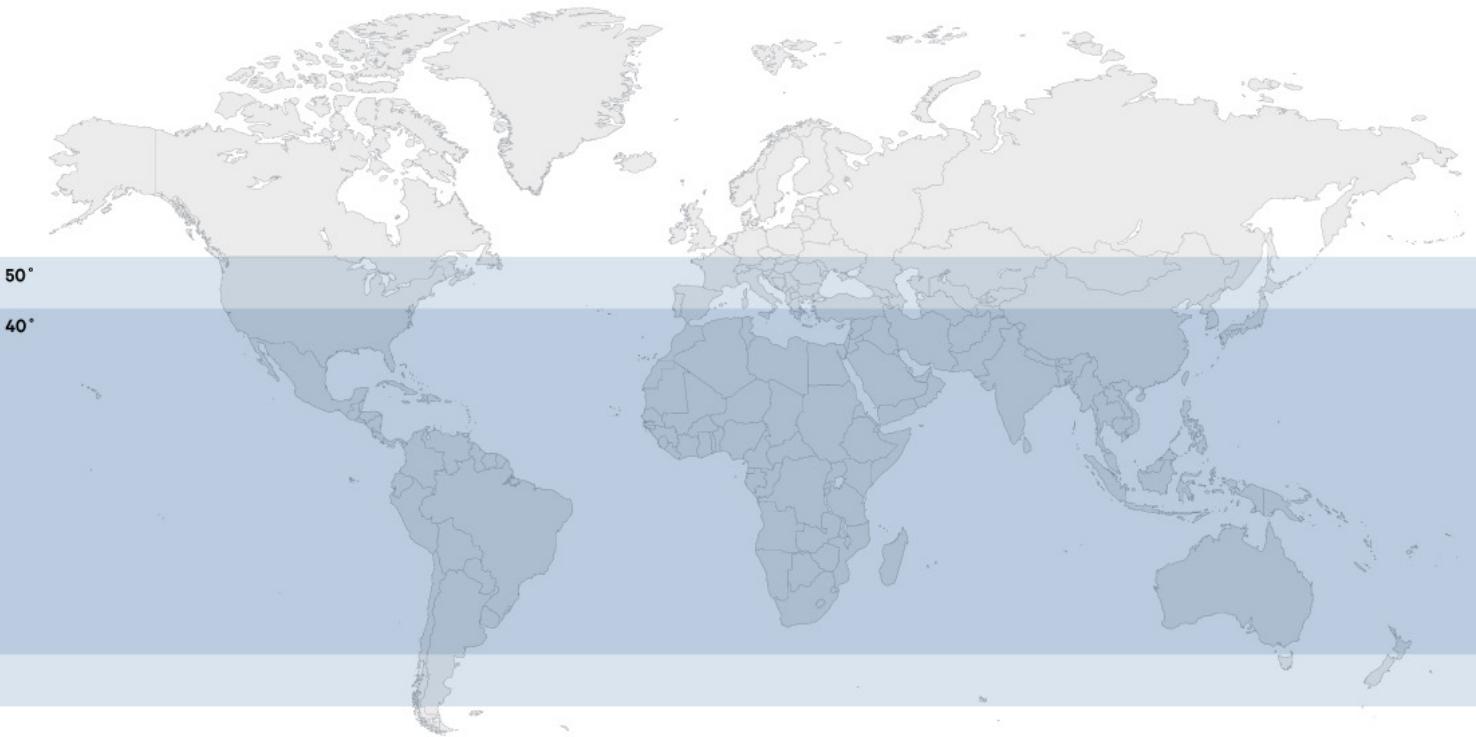
The Sovereign Fixed Enterprise mPOWERED service is available in two packages: Tier 2 (up to 1.8Gbps), and Tier 3 (up to 800Mbps). A Tier 1 service will be introduced at a later date.

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