SES

ENTERPRISE (VIA SES-17)

Boost your portfolio with our next-gen Ka-band GEO broadband service

It's increasingly important to have access to robust satellite broadband solutions that provide required coverage, high throughput, and flexibility.

INDUSTRY PERSPECTIVE

According to the International Telecommunication Union (ITU), a 10% increase in broadband penetration could result in a 1.38% growth in gross domestic product (GDP) for developing nations and 1.21% for developed ones. Yet, providing Internet access to populations everywhere remains a challenge. In the Americas, rural and remote regions are under-served due to the cost and complexity associated with extending terrestrial networks into these areas.

To meet the connectivity needs of businesses, hospitals, education centres, and communities in the Americas, it's increasingly important to have access to robust satellite broadband solutions that provide required coverage, high throughput, and flexibility. With SES's Enterprise service via SES-17, telcos and service providers can capitalise on the growth opportunity offered by untapped markets in the Americas.

SERVICE DESCRIPTION

Enterprise via SES-17 is a high-throughput broadband platform with groundbreaking technology, scalability, and flexibility, affording you a cost-efficient way to deliver reliable broadband services to enterprise customers across the Americas.

Enterprise via SES-17 offers flexible control over service plans and bandwidth rates, and minimises incremental capital expenditures, enabling telecom operators to increase capacity where and when it's needed. It also takes advantage of the strong partnerships SES has built with major cloud service providers. With dedicated connectivity to Microsoft Azure and Amazon Web Services data centres, Enterprise via SES-17 allows your business customers to use critical cloud-based applications with secure, reliable, and predictable performance.

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 to maintaining its health and delivering optimal network performance throughout the service duration.

SES-17 is designed to interoperate with O3b mPOWER, our next-generation Ka-band MEO communications system.

ABOUT SES-17

Our next-generation Ka-band geostationary Earth orbit (GEO) satellite, SES-17, enables you to embrace a new era of high-throughput services with unrivalled coverage across the Americas. With the industry's most flexible payload, SES-17 allows you to match your customers' precise bandwidth needs—even as demand evolves.
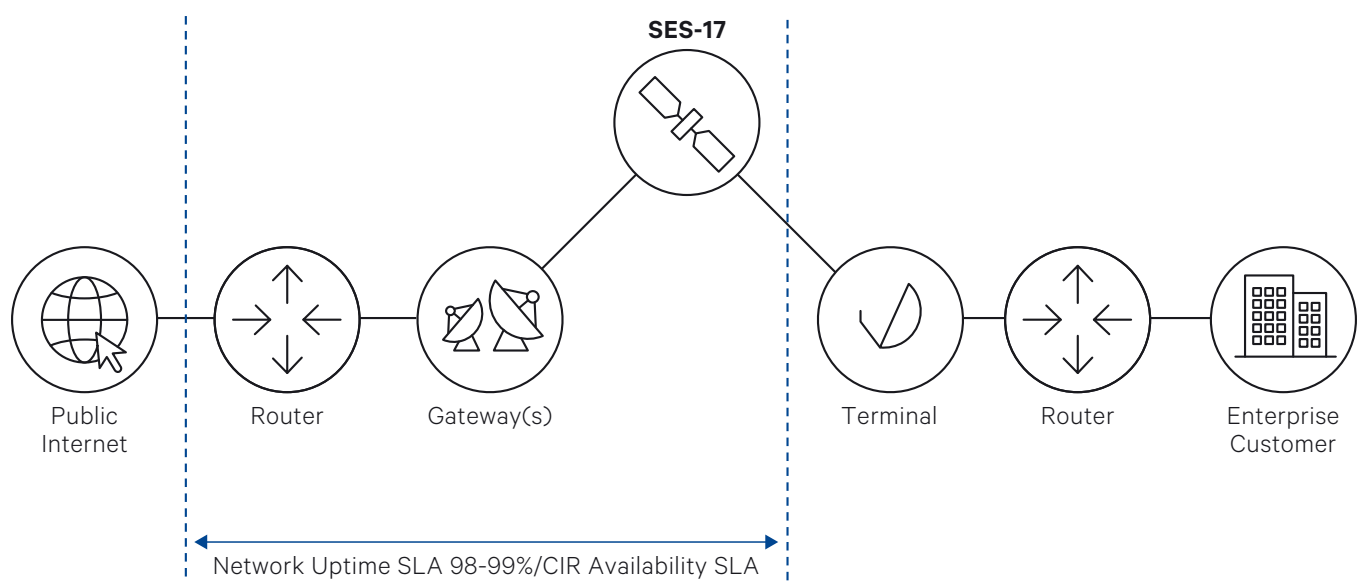
Equipped with groundbreaking Digital Transparent Processors (DTP) across all spot beams, SES can optimise bandwidth and power allocation to meet your throughput requirements across the Americas.
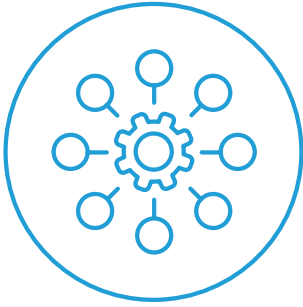
SES-17 is a future-proof satellite designed to interoperate with O3b mPOWER, our next-generation Ka-band medium Earth orbit (MEO) communications system. Leveraging the full capability of both systems, which use SES's Adaptive Resource Control (ARC) software to optimise capacity and ground system resources, you can offer enterprise services with unrivalled scale, performance, and resiliency.

DELIVERING HIGH-BANDWIDTH SATELLITE BROADBAND WITH ENTERPRISE VIA SES-17

Enterprise via SES-17 is a managed service available in Pro and Premium service tiers that includes a committed information rate (CIR) and a maximum information rate (MIR), which can be bundled as a single terminal package or as a bandwidth pool. The single terminal package serves a single remote site, whereas the bandwidth pool service is shared by a larger group of remote sites.

SES-17

Public Internet · Router · Gateway(s) · Terminal · Router · Enterprise Customer

Network Uptime SLA 98-99%/CIR Availability SLA

TECHNICAL SPECIFICATIONS

The Enterprise service via SES-17 is available in Pro and Premium service packages with three hardware bundles:

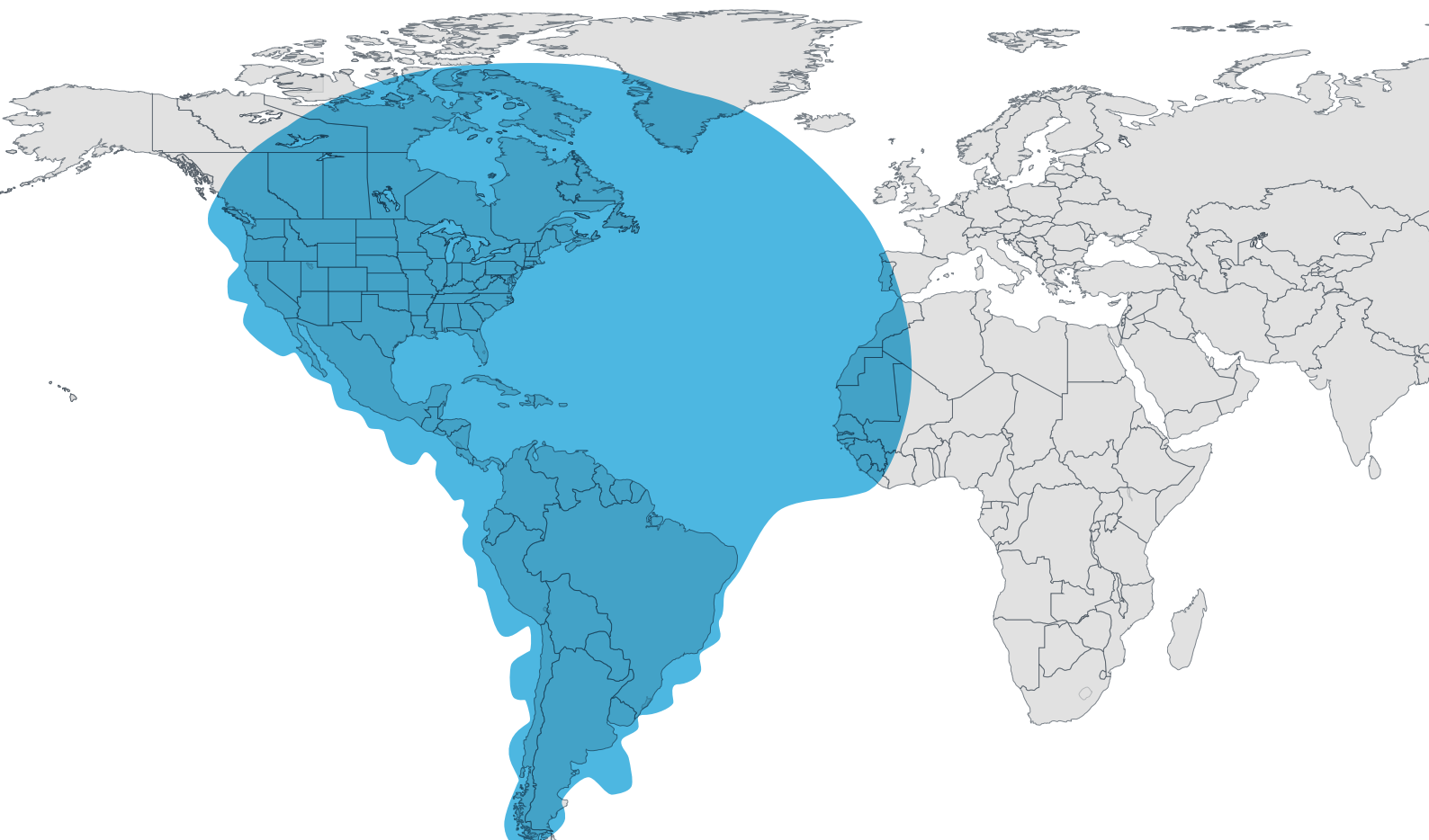|		
Constellation	GEO	
Platform	Gilat-Quattro	
Terminal modem	Gemini-4 (Aquarius-e—optional)	
Billing	Package-based CIR/MIR or pool based	
Antenna size(s)	0.74m/0.98m/1.2m with one of the following BUCs: 2.5W/3W/4W*	
Capacity packages	Flexible forward and return data rates	
Software VNO	Bandwidth pool available	
Customer API	Available	
Customer portal	SES Extranet shared portal available	
	Pro	**Premium**
Network uptime SLA	98%	99%
Satellite Latency SLA	≤ 700ms	≤ 700ms
Unlimited Volume	Bandwidth pools allow for balancing the demand across network without worrying about individual site consumption.	
Bandwidth Optimisation	Improves space segment utilisation by reducing the amount of traffic being transported over satellite through compression and other techniques.	
TCP acceleration	Optional - provides the capability to improve the effective throughput of TCP sessions (more than 50-fold)	Included - provides the capability to improve the effective throughput of TCP sessions (more than 50-fold)
Connectivity transport services	MEF 2.0 certified, MEF 3.0 compatible (certification under process), and IP layer 3 and L3VPN services.	

* GEO hardware varies by customer preference and must be validated by SES

Enterprise via SES-17 is a satellite-based broadband service that has:

- **Bandwidth management capabilities:** Handle bandwidth as a single pool across a coverage area that may span multiple spot beams.

- **Scalability:** Increase capacity without additional hardware costs.

- **Flexible service plans:** Choose from different service levels based on bandwidth profiles for individual customers or specific applications.

- **Granular bandwidth rates:** Deliver the speeds your customers need.

- **Consistent Quality of Experience (QoE):** Ensure consistent service across large geographic areas, with a defined SLA per remote site.

- **Cloud integrations:** Direct integration with major cloud service providers.

- **Robust ground network:** The SES MPLS terrestrial network is used for all gateway/hub connections.

GLOBAL COVERAGE MAP

SES-17 provides full Ka-band coverage over the Americas, minus Alaska and parts of Canada.

EXPAND YOUR NETWORK'S REACH WITH ENTERPRISE ON SES-17

Enterprise via SES-17 can help you rapidly extend the reach of your business services portfolio, giving you access to untapped revenue streams in the Amercias.

Through a platform that requires no capital expenditures, you can minimise risks while enabling long-term scalability of your business plans.

Learn how you can incorporate our Enterprise services into your portfolio.

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