

DIGITAL INCLUSION VIA SES-17

Digitalise offline communities across the Americas with SES's most flexible Ka-band GEO satellite broadband service.



2.9B

people worldwide lack access to the internet

INDUSTRY PERSPECTIVE

Despite the rapid growth in internet penetration over the past few years, the ITU estimates that less than half the world's population (2.9 billion people) still lacks access to the internet.

Many live in the least developed countries, rural and remote areas, or small island developing states. With working and studying from home becoming a long-term reality due to the COVID-19 pandemic, and considering the number of people that don't have a connectivity solution within reach, digital inclusion has become an urgent matter.

This new reality has augmented the demand for high-performance, flexible, and easy-to-deploy broadband solutions that can help overcome the costs and complexity of digitalising offline communities. SES's Digital Inclusion via SES-17 service is based on a Very High Throughput Satellite (VHTS) that provides the required throughput and flexibility to connect communities, education centres, hospitals, and businesses, so they can become part of the digital world we live in.



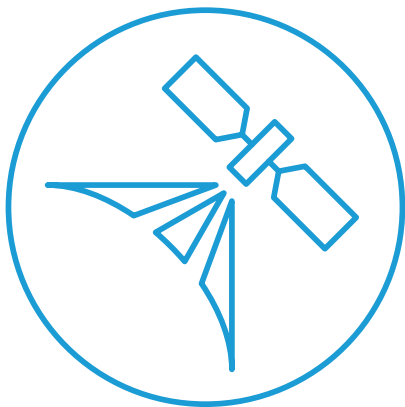
flexible control over service plans, bandwidth rates, and SLAs, the service enables telcos, MNOs, and ISPs to connect communities with minimal initial capital expenditures.

SERVICE DESCRIPTION

Digital Inclusion via SES-17 is a flexible, very high-throughput service with groundbreaking technology, providing reliable broadband services to help you deliver internet connectivity to any community across the Americas.

Digital Inclusion via SES-17 is backed by a unique combination of ground system technology, advanced satellite capabilities, and service lifecycle expertise. With flexible control over service plans, bandwidth rates, and SLAs, the service enables telcos, MNOs, and ISPs to connect communities with minimal initial capital expenditures.

SES-17, our next-generation Geostationary Earth Orbit (GEO) VHTS, provides high-throughput Ka-band spot beams covering the Americas. This capability, combined with our global terrestrial MPLS network, allows us to provide end-to-end digital inclusion connectivity to help you meet universal service obligations.



ABOUT SES-17

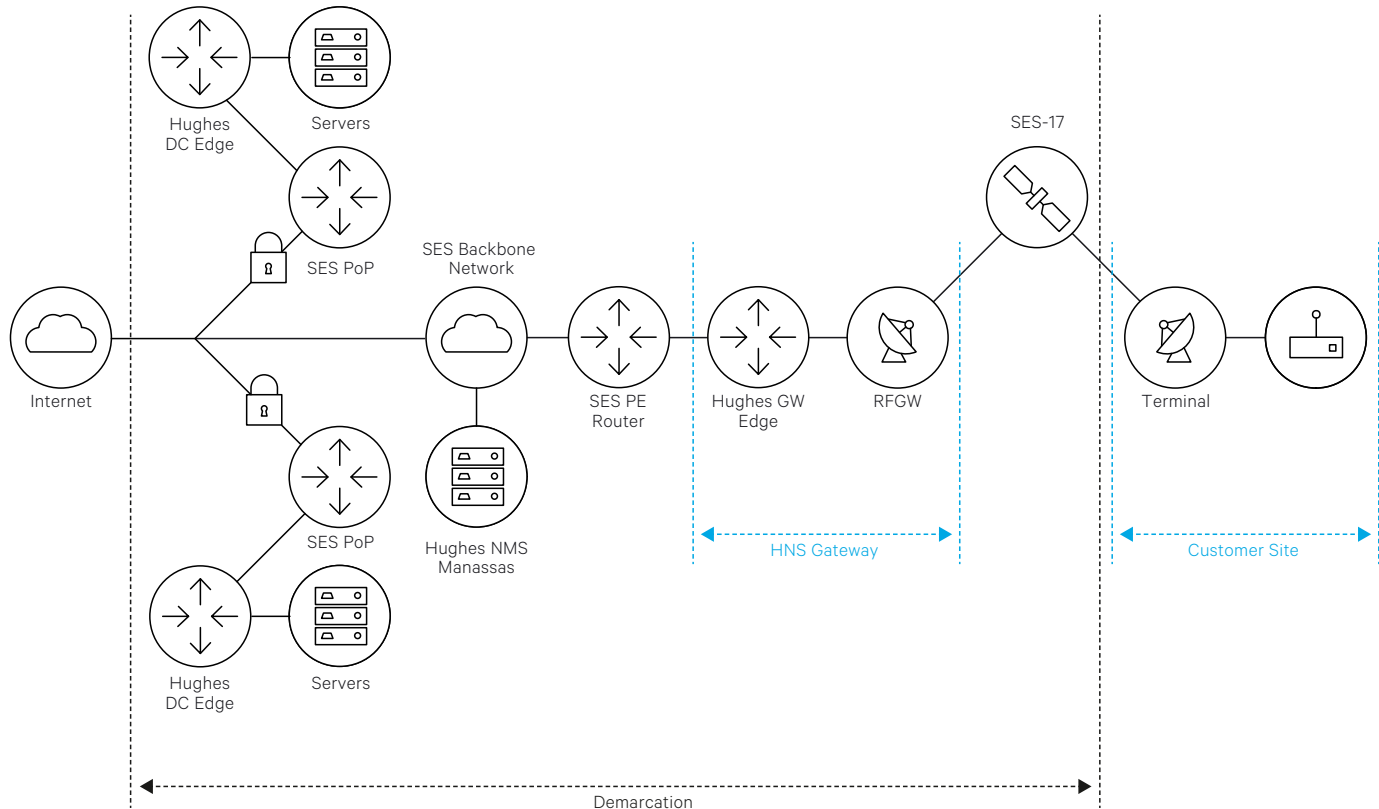
Providing unrivalled coverage across the Americas, SES-17 enables you to embrace a new era of high-throughput services.

The industry’s most flexible payload ensures you can match your users’ precise bandwidth needs—as demand changes. Equipped with a groundbreaking Digital Transparent Processor (DTP), the satellite can seamlessly route your data from one beam to another or even to a different gateway, giving you the flexibility to roam across SES-17’s regional coverage when customer demands require it.

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.

Redrawing the boundaries of the hyperconnected world with Digital Inclusion via SES-17

Digital Inclusion via SES-17 is an internet connectivity service sold as a managed service. It includes a committed information rate (CIR) and a maximum information rate (MIR), bundled as a bandwidth pool service that is shared by a large group of remote sites.





TECHNICAL SPECIFICATIONS

Digital Inclusion via SES-17 is available in multiple capacity packages with multiple antenna sizes—from 0.74m and 2W BUC to 1.2m and 3W BUC.

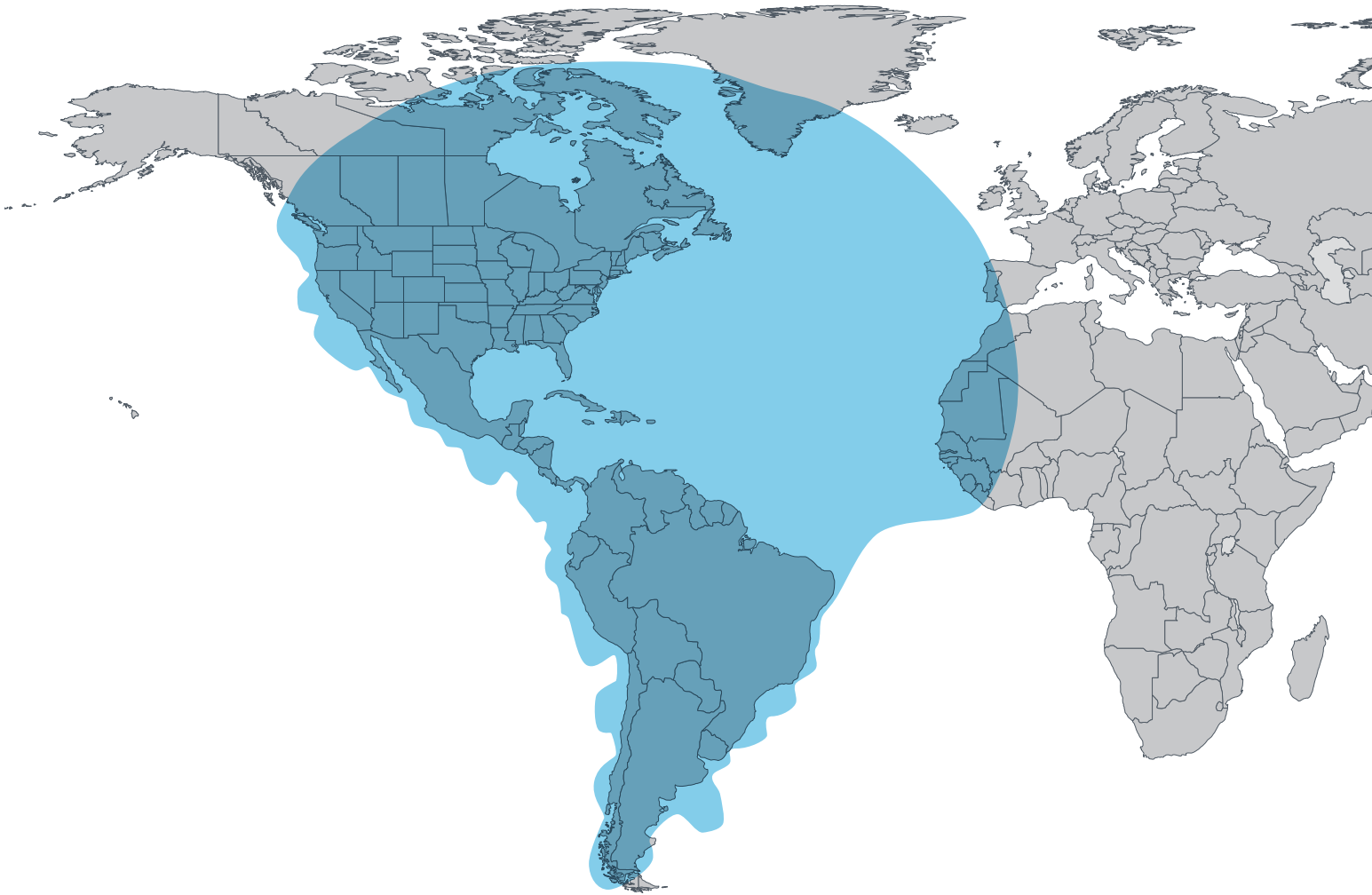
Platform	HNS J3 (initially operating in J2 mode)
Terminal modem	HT2010
Billing	Bandwidth pool based
Antenna manufacturer	HNS
Antenna sizes	0.74m/0.98m/1.2m with 2W or 3W BUC*
Network uptime SLA	99%
Capacity packages	Flexible forward and return data rates
Software VNO	Bandwidth pool available
Customer portal	SES Extranet shared portal
Colocation services	Available at data centre locations in USA

Digital Inclusion 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
- Granular bandwidth rates
- Deliver the speeds your customers need
- Consistent Quality of Experience (QoE)
- Deliver consistent QoE across large geographic areas, with a defined SLA per remote site

GLOBAL COVERAGE MAP

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



REACH COMMUNITIES BEYOND YOUR NETWORK'S FOOTPRINT

Digital Inclusion via SES-17 can help you rapidly provide broadband services to satisfy universal service obligations (USO). Gain access to untapped

revenue streams with minimal capital expenditures using a platform that helps you reduce risks while enabling the long-term scalability of your business plans.

Explore how you can incorporate Digital Inclusion via SES-17 into your portfolio.

For more information,
please reach out to us at
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SES HEADQUARTERS

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