



## IntelSat and OneWeb Demo Global Multi-Orbit Satellite Service to U.S. Department of Defense

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### *Unique partnership showcases transport diversification between geosynchronous earth orbit (GEO) and low earth orbit (LEO) constellations*

McLEAN, Va.--(BUSINESS WIRE)--Nov. 3, 2021-- [IntelSat](#), operator of the world's largest integrated satellite and terrestrial network, [OneWeb](#) (OWT), a global provider of innovative, secure satellite communications, and [Linchpin Solutions](#), a leader in C5ISR systems and programs, successfully demonstrated a multi-orbit satellite communications solution for representatives of the U.S. Army and Department of Defense (DoD).

This is a strategic demonstration to the U.S. DoD that shows transport diversification between the geostationary orbit (GEO) and low Earth orbit (LEO) constellations with seamless switching between them.

Referred to as Automated Primary, Alternate, Contingency, and Emergency (APACE) communications, the solution enables soldiers to survive and excel in contested electronic warfare environments. The reliability of communications is significantly improved by simultaneously sending data over multiple paths and adjusting the traffic flow in real-time between GEO and LEO satellite constellations.

IntelSat and OWT used both GEO and LEO services simultaneously, switching the data flow between orbits instantly at the packet level, using software to determine which connection will provide the best experience based on the technical requirements of the end service. The software solution can be hosted on existing fielded ruggedized virtual machine platforms allowing the system to run in the harshest environments.

Two satellite links were established during the demo – one on the IntelSat 37 (IS-37) satellite and one on a OneWeb satellite. The links communicated through various end-user terminals, including a SatCube terminal, a Kymeta U7/8 terminal, a Litecom GEO terminal, and a OneWeb Intellian terminal, demonstrating applications such as two-way voice and data downloads and MP4 video.

"This demonstration shows how through the power of partnership, we can provide a reliable, secure, multi-orbit, multi-band capability for the military that connects our warfighters to meet their evolving mission requirements," said President of IntelSat General, Dave Micha. "This enables the delivery of required connectivity, throughput and services to customers when and where that reliable access is needed, even in the harshest elements."

"This demonstration of low latency, high-capacity throughput via a multi-orbit solution that increases the resiliency of commercial Satcom to DoD and allied partners globally is an important steppingstone as OneWeb rises to the challenges and needs of our customers through partnerships," said Bob Roe, CEO of OneWeb Technologies, the U.S. Proxy subsidiary of OneWeb.

IntelSat's FlexMove service, combined with partner terminals, can be deployed within an hour. For military customers, this quick set-up, reliable and secure offering provides beyond-line-of-sight (BLOS) seamless communications at times when connectivity is most critical.

IntelSat is the world's most trusted integrated space and ground satellite network with a 50-year record of delivering seamless and secure coverage across 200+ countries. We are building a unified global 5G network that will support virtually any access technology, enabling the next generation of global mobility, IoT, and 5G services. Merging software-defined technology and multiple networks and orbits, we bring the world a single, more powerful way to connect easily.

#### **About IntelSat**

As the foundational architects of satellite technology, IntelSat operates the world's most trusted satellite telecom network. We apply our unparalleled expertise and global scale to connect people, businesses, governments, and communities, no matter how difficult the challenge. IntelSat is building the future of global communications with the world's first hybrid, multi-orbit, software-defined 5G network designed for simple, seamless, and secure coverage precisely when and where our customers most need it. Follow the leader in global connectivity and "Imagine Here," with us, at [IntelSat.com](#).

#### **About OneWeb**

OneWeb Technologies is the premier global provider of innovative, secure satellite communications (SATCOM) application solutions. We uniquely combine extensive satellite access and expansive terrestrial capacity with highly effective applications to deliver best-fit, custom end-to-end solutions.

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