



COMSAT Announces Delivery of High-Throughput Wideband Streaming L-band Connectivity to Support U.S. Government ISR Missions

Provides users with dedicated high data rate communications link from a vehicle or fixed-wing aircraft using existing SATCOM equipment

Herndon, VA, August 24 2018 –COMSAT has successfully tested and deployed its COMSAT Wideband Streaming L-Band (WiSL®) solution across various U.S. Government aeronautical and maritime platforms. This will enable the government to achieve significant cost savings by reusing existing installed SATCOM equipment, while tripling or quadrupling the throughput and capabilities of the original Inmarsat SwiftBroadband (SB) and FleetBroadband (FB) systems.

The WiSL solution utilizes Inmarsat’s reliable, worldwide L-band space and ground network and augments existing SB or FB terminals, allowing return datalinks up to 2.8 Mbps. It enhances the original functionality of the terminals, as it provides a dedicated high data rate communications link from a vehicle, maritime vessel or fixed-wing aircraft, fitted with an Inmarsat type-approved high-gain L-band terminal and antenna, as small as 10x10 inches and as light as 4.3 pounds, for each platform. The WiSL capability is enhanced with a COMSAT modem that injects a single channel per carrier (SCPC) signal through a high-gain antenna. The high throughput is achieved over a dedicated satellite service and remote management and allows the user to monitor and control satellite access. Operational beams can be built as clusters of narrow beams or custom-shaped beams. The system uses commonly available commercial equipment and provides global deployment capabilities across the existing Inmarsat constellation.

WiSL is a unique solution that meets high-demand ISR needs for higher throughputs from smaller form factor antennas. The solution is managed and operated by COMSAT’s two fully-staffed network operations centers (NOCs) located in Southbury, CT and Santa Paula, CA. The COMSAT NOCs operate on a 24/7/365 basis and provide continuous monitoring and service to fielded systems worldwide.



About COMSAT

COMSAT, Inc. is a leading operator of customized, secure end-to-end satellite communications services. We deliver a full portfolio of fixed satellite solutions (C-Band, Ku-Band, Ka-Band, X-Band and UHF) and mobile satellite solutions (Inmarsat, Thuraya and Iridium) to aeronautical, land-mobile and maritime users in multiple markets, including U.S. government and military, global governments, educational institutions and commercial maritime. COMSAT owns and operates two teleports located in Southbury, CT and Santa Paula, CA that provide various communications and data center services to commercial, government and educational institutions worldwide including end-to-end connectivity, co-location and research efforts, critical data backup and recovery, satellite and terrestrial network data center, cloud and cybersecurity services.