

L-TAC

Beyond Line of Sight Communications Using Existing Military Radios

Delivering VHF & UHF Over L-Band Capabilities

From the soldier in the field to the commander hundreds of miles away, communication is often the key to mission success. US and Coalition forces need to exercise command and control of widely dispersed units in austere environments without the delay of deploying terrestrial infrastructures or the burden of protecting and sustaining them. In addition, UHF TACSAT channels are in short supply.

So, how can our forces cost effectively increase the number of channels available for voice and data over tactical, theatre and strategic distances using existing tactical radios? L-TAC from OneWeb Technologies is the answer.

L-TAC extends the capabilities of the military's existing hand held radios to deliver mobile Beyond Line of Sight (BLOS) communications quickly, inexpensively and with practically no required training to those with an operational need.

Mobile Satellite Communications in the Field

Designed with the soldier in mind, L-TAC from OneWeb Technologies leverages Inmarsat's proven communications network and Spectra's Slingshot™ – a small, external adaptor for military radios – to enable existing in-service tactical radios to provide BLOS.

Inmarsat's L-band service complements existing UHF channel availability and provides single-hop L-band relay from a global constellation of geostationary satellites. Plus, via Slingshot™, L-TAC allows low-latency voice and data regional communications with the additional option of connecting to an out-of-theatre rear-based command node.

L-TAC from OneWeb Technologies is fully flexible and designed to meet the military's security and reliability requirements in the most cost-effective manner possible. Once deployed, remote management and support is provided through a 24/7 managed services operation center.

Additionally, the service offers a combination of reliable voice and data connectivity that is available globally, independent of local infrastructure. It is quick to set up, providing a fully configured solution which needs minimal user intervention before deployment. Solutions are available for both vehicles and the dismounted soldier, and can be leased for a fixed period (minimum duration one month), providing assured access throughout.

Benefits

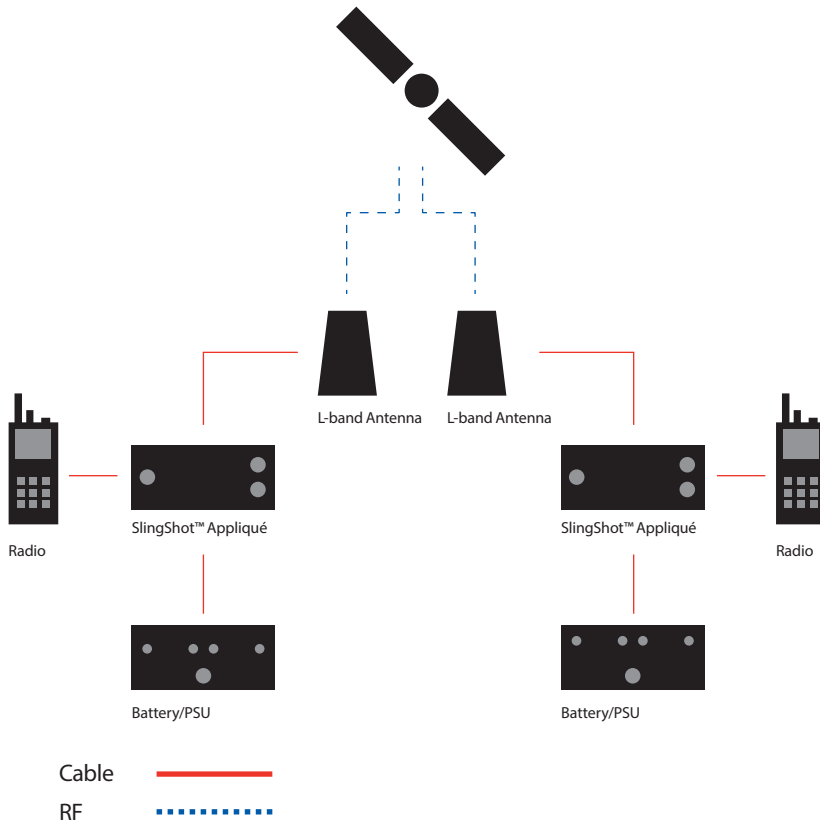
- Strategic, secure communications using existing equipment
- Enables network interoperability
- Voice and data capable
- Easy to use
- Global coverage with strategic backhaul
- Dedicated bandwidth
- Independent of local infrastructure
- End users can prioritize traffic access between military and commercial satellite networks
- Maximum flexibility in high-tempo and concurrent operations
- Flexible leasing options



L-TAC

Features

- Supports in-services radios – Uses existing hardware and cryptos
- Omni-directional antennas
- Supports UHF and VHF military and commercial frequencies
- Very small form factor, lightweight and low power consumption
- Narrow and Regional Beam footprints available
- Beyond Line of Sight communications without additional infrastructure
- Utilizes Narrow, Regional, Customized and Relocatable Beams
- Netted voice and data for all-informed network
- On the move, on the pause or at the halt



L-TAC from OneWeb Technologies leverages Inmarsat's I-4 satellite constellation and integrates Spectra's SlingShot™ to enable current UHF or coalition forces VHF radios to utilize L-band satellite frequencies to deliver BLOS communications.



For more information, please contact:
info@onewebtechnologies.net
+1 281.272.7500 or 877.340.8524