NETWORK INNOVATIONS
Communicate. Anywhere.

INMARSAT L-TAC

Beyond line of sight communications. We connect those who protect.

Mobile Satellite Communications in the Field.

Imagine the Joint Force Commander has decided he needs to expand into the rebel held territory to the west. The lead reconnaissance foot patrol supplies a steady flow of intelligence as it moves forward, constantly in touch with battle group HQ, well to its rear, without pausing to set up antennas. The mounted elements of the main assault force maintain communications with patrols and the HQ as they maneuver to the north, far beyond the range of UHF combat radio.

The battle group commander speaks securely and reliably on the move to a sector hundreds of kilometers away, and to flanking coalition partners, while logistic elements follow to the rear, ready to establish the new forward base, maintaining contact without the need for range-extension stations or the technical challenges of mobile HF radio. Thanks to Inmarsat's L-TAC service, mobile BLOS communications are available inexpensively and with minimum additional training to all those with an operational need.

Customer Challenge

Military users need to exercise command and control of widely dispersed forces in austere environments without the delay of deploying terrestrial infrastructures or the operational burden of protecting and sustaining them. UHF TACSAT channels are in short-supply and expensive.

Requirement

Increase the number of TACSAT channels available to military users for voice and data over tactical, theatre and strategic distances using existing tactical radios.

Solution

Inmarsat's world leading communications network includes the unique capability to provide single-hop L-L band relay from an existing global constellation of geo-stationary satellites. A small, external adaptor (SlingShot™) for military radios allows low-latency voice and data regional communications with the additional option of connecting to an out-of-theatre rear base command node.

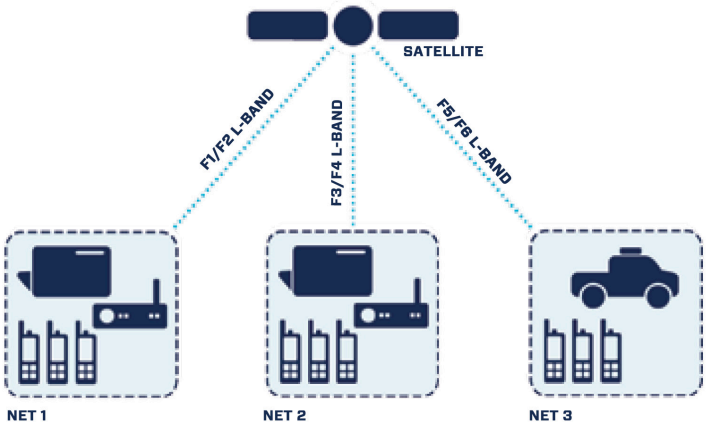
www.networkinv.com

INMARSAT L-TAC

- **Strategic, secure communications using existing equipment**
- **Global coverage**
- **Dedicated bandwidth**
- **Voice and data**
- **Independent of local infrastructure**
- **Flexible leasing**

Applications

- **Uses existing radio hardware and cryptos**
- **Very small form factor, lightweight and low power consumption**
- **Global access with strategic backhaul**
- **Narrow, Regional and Customised Beam footprints available**
- **Beyond Line of Sight Communications without additional infrastructure**
- **Easy to use**
- **Netted voice and data for all- informed network**
- **On the move, on the pause or at the halt**
- **Channel lease options from one month**



T 1595 – 83 – Vehicle Omni Antenna (Active) COTM Manpack Omni Antenna (Half Active) COTM or COTP

SlingShot™ - Spectra's small, lightweight external appliqué for military radios, allows low-latency voice and data regional communications with the additional option of connecting to an out-of-theatre rear-based command node.

SlingShot™ Antennae – Spectra will provide Manpack, Vehicle and Marine antennae for COTM, COTP and COTH operations. With excellent size, weight and power characteristics these antenna are ideal for tactical, high tempo operations.

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US: +1.954.973.3100
CA: +1.403.287.5000
EU: +31.40.295.3001
UK: +44.20.8286.6768
SG: +65.6274.0811

www.networkinv.com

Americas
Calgary, AB, Canada
Vancouver, BC, Canada
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