

Military Logistics Support

Flyaway Tri-band

The Situation

Troop deployment requires a small, lightweight, rugged, multifunctional communications platform that will provide headquarters with the ability to interface with digital multiplexing equipment. L-3 Satellite Network's **Flyaway** Tri-Band Satellite Terminal (FTSAT) has the flexibility to equip commanders, located far from headquarters and possibly in hostile territory, with these capabilities, by combining multi-tasking operating systems and multi-port communications co-processors.

L-3 Satellite Network's FTSAT product provides the backbone multi-channel connectivity for secure voice, data and video traffic between various command posts within the US military. The **Flyaway** Tri-Band Satellite Terminal (FTSAT) is already being fielded as part of the military's on-going modernization of super-high-frequency (SHF) SATCOM equipment.

The Solution

The **Flyaway** (FTSAT), developed from a Commercial-Off-The-Shelf (COTS) system, will support deployed communications concepts and satisfy the customer's special user requirements. The FTSAT is an SHF communications satellite terminal that will provide communications interface in X-, C- and Ku-band. The lightweight FTSAT will give commanders immense flexibility in SHF SATCOM tactical communications. Rapid Deployment Transit Cases (RDTG) can be used to provide for an easier adaptability in changing scenarios. The FTSAT provides mobility and flexibility at the nucleus of the mature deployed communications system in forward tactical areas.

The FTSAT incorporates unique frequency conversion architecture and antenna design, meeting the stringent requirements for Defense Satellite Communications System (DSCS) Earth Terminal certification, in addition to commercial satellite requirements. The terminal provides worldwide satellite communications over DSCS II and III, for the North Atlantic Treaty Organization (NATO) via INTELSAT, EUTELSAT, PanAmSat, and domestic and regional satellites. The modular architecture of the FTSAT terminals easily accommodates expansion for digital video, digital voice/fax transmission, secure communication network control, ITOS (Interim Tactical Order Wire System) and TSSP (Tactical Satellite Signal Processor).



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Benefits

- High throughput
- DSCS certified.
- Interoperable with JMICS and ATM Switching.
- Superior wind stability.
- UNIFOLD Lightweight Tripod.
- Easily set-up and operated.
- Integrated logistics support.
- 2.4 meter antenna support.
- Modular architecture.
- Highly transportable.



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