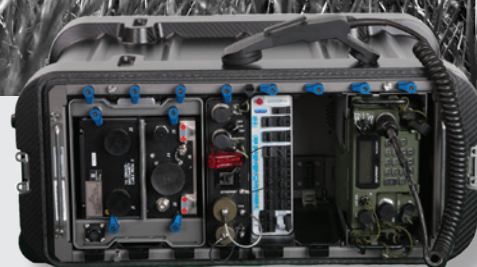**FASTAK™ GATEWAY**

RAPID DEPLOYABILITY, TURNKEY SIMPLICITY

A lightweight C2 solution

Collins Aerospace is enabling interoperability across the full spectrum of the battlefield through an end-to-end product called the FasTAK™ Gateway. From the dismounted user through command and control and well beyond, we are ensuring speed, simplicity and data integrity from the lowest echelons to the commander.

The FasTAK Gateway combines the smallest and most powerful Link 16 terminal, our TacNet™ tactical radio, PRC-162 UHF/VHF manpack radio and other fielded software defined radios. It adds wideband networking solutions and control via a certified data-link processor. The result is a lightweight, transportable gateway solution.

When it comes to integrating tactical data links and a joint-fires solution, no one has more experience than Collins Aerospace. For more than 20 years, we have provided affordable, high-performance, highly reliable data-link terminals and joint-fires solutions to coalition customers.

KEY FEATURES AND BENEFITS

- Lowest-cost full Link 16 data-link picture for the ground tactical user (e.g., TACP, C2 center and fire support teams)

- Addresses the capability gap created by proprietary waveforms on the battlefield

- Software defined radio ensures future waveform flexibility

- Joint Interoperability Test Command (JITC) certification for participation on data-link networks

- Air Force System Interoperability Test (AFSIT) certified for Link 16 Minimum Implementation Command and Control

- Lightweight for airborne, vehicle and two-person ground mobile operations

- Complete, turnkey, off-the-shelf solution

Collins Aerospace

CUSTOMIZABLE, HIGH-EFFICIENCY PERFORMANCE

The FasTAK Gateway is designed to be customizable by the user to fulfill individual data-link translation in the field. The user interface is easy to understand and does not require a certified data-link manager to set up. Collins Aerospace provides the following basic radio configuration, but this can be adjusted by the user at the time of purchase:

For Link 16, our TacNet tactical radio is a 90-watt, small form factor, fifth-generation, fully compliant Link 16 terminal that supports J Voice, ETR and NTR. At less than 10 pounds and requiring no special cooling, the TacNet tactical radio was designed to accommodate space- and weight-constrained environments that may not offer cooling options.

For line-of-sight and beyond-line-of-sight UHF/VHF/FM/HF, we use one of a variety of radios, such as our TruNet™ AN/PRC-162 (V)1 two-channel networking ground radio, or if the customer has a preferred multi-band radio, Collins will integrate it.

Our Defense Advanced GPS Receiver (DAGR) provides GPS for SAASM position reporting.

The key to the FasTAK Gateway is the Collins Data Link processor software. The software is a data-link translation and forwarding application that operates on simple laptop hardware. It is JITC certified for Link 16 VMF forwarding as well as minimum implementation for command and control on Link 16.

The Data Link processor software manages the translation and forwarding between all the radios and data-link terminals and provides each network with a forwarded situational awareness picture of the other attached networks. The FasTAK Gateway has an integrated router so the computing platform can sit virtually anywhere to manage the data links, radio frequencies and actual forwarding.

Collins FasTAK Gateway is mission ready, scalable and future proof. Our integrated solutions ensure your tactical data networks are reliably connected in the face of evolving threats across domains. Connected today. Connected tomorrow.

INTEROPERABILITY

Graphical user interface

- Multiple ITAR free mapping applications available

CAPABILITIES

- Supports HF radios
- Link 16 to VMF data forwarding (JITC certified)
- Link 16 command and control (JITC certified)
- CoT translation and forwarding
- Supports more than 50 x JREAP-C connections
- JREAP-A
- VMF (A/C/C, B/D1/D1, A/D/D) translation and forwarding
- IP-based radio translation, forwarding mesh and Manet

BATTLE MANAGERS

- Theater Battle Management Core System
- Joint Automated Deep Operations Coordination System
- Automated Deep Operations Coordination System
- Advanced Field Artillery Tactical Data System
- FuWES German Adler system
- MOBIFAST System
- C2 Air Operations Suite

Specifications subject to change without notice.