

FBT

Field Broadband Transport

Edge Transport and Networking Node

Role Overview

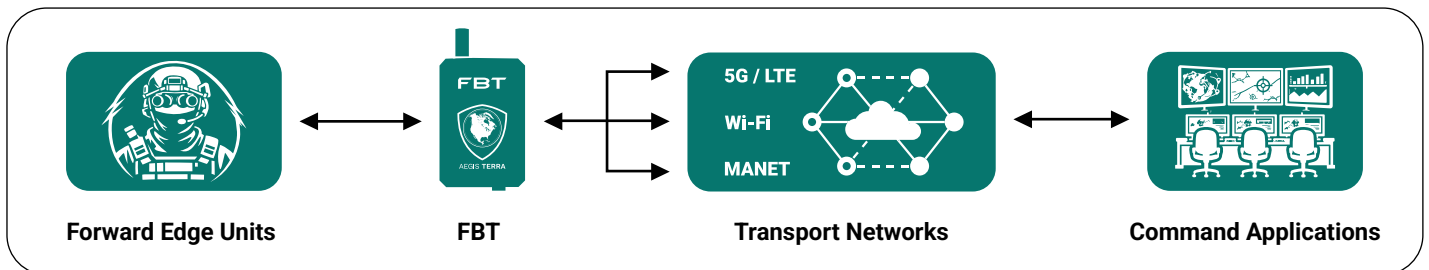
FBT is an edge transport and networking node designed to support secure voice and data movement across heterogeneous communications environments. It provides local routing, transport aggregation, and edge compute capability to enable operational continuity in mobile or infrastructure-limited conditions.



Core Functions

FBT enables distributed teams to maintain connectivity by aggregating available transports and supporting local network operations when reach-back is degraded or unavailable. It operates as an augmentation layer within existing communications architectures.

Architectural Placement



FBT sits between local IP-enabled systems and available transport networks, enabling secure movement of voice and data to mission applications or command elements without requiring replacement of existing endpoints.

Key Capabilities

- Edge-first networking and transport aggregation
- Secure voice and data movement across mixed networks
- Local routing and edge compute support
- Transport-agnostic operation (MANET, cellular, WiFi)
- Operates in DDIL (disconnected, disrupted, intermittent, limited) environments

Deployment & Evaluation Notes

- Integrates with existing IP-based systems and workflows
- Supports incremental adoption and limited-scope evaluation
- Does not replace radios, endpoints, or command systems