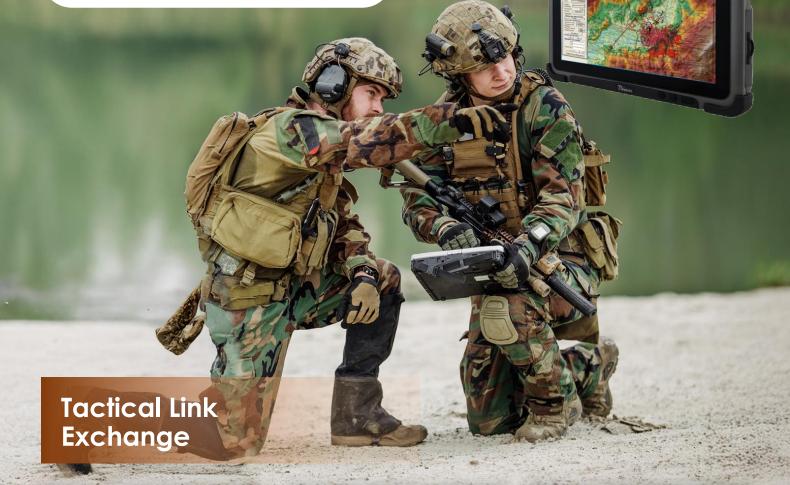
Tactical Communications

tecnobit

VLAD

Application of Data Links at the tactical level for operations in land/air/naval environment. Tactical Link System and
Processor
for VMF missions
(Variable Message Format)



Multi-Role

The VLAD solution includes Striker,
JTAC and Observer roles in the same SW processor.

Multi-Platform

A SW solution for various hardware types, platforms, and integrations

Modular

Modular and decoupled user interface (HMI) for COP representation and operating VMF roles

Specifications:

- VLP (VMF Link Processor): Processes VMF (Variable Message Format) messages, as well as the interfaces and network and drivers needed to provide tactical functionality to the HMI or an integrated C2 system.
- HMI: Modular and optional component, which allows the system operator to configure, incorporate and maintain a VMF network for the use of the implemented tactical functionalities, and operate on the visualized Tactical Scenario that incorporates a GIS.
- **Data Forwarding:** VMF forwarding to and from Link 16 (SIMPLE) networks of drives and contact information. Participation as a unit Link 16.
- Modularity of the VLAD System (VMF Link Advanced System): Integration with own CMS VLAD HMI, and possibility of Integration with C2 systems: CMS (Combat Management System), BMS (Battle Management Systems), MS (Mission Systems), and other Operational Systems.
- Multi-role: Different roles adopted and types of participating nodes:
 - JTAC: Deployed Soldier/Forward Observer.
 - Base station / attack unit (Aircraft, ship, ground station, artillery...).
- Hardware: Hardware equipment based on the Client's requirements. Adaptable to the deployment environment

Core Tactical Data Link VMF Standards:

The VLAD system complies with:

Message Catalogue: MIL-STD-6017 Rev. B

Header: MIL-STD-2045-47001 Version D Change 1

• Carrier: MIL-STD-188-220 D Version Shift

Main Tactical Data Link Capabilities:

- Friendly Force Tracking (FFT): Unit Information
- Text Messages
 - Digitally Assisted Close Air Support (DACAS)
 - Joint Terminal Air Traffic Controller Unit (JTAC)/Observer
 - Fire set (JFO)
 - · Fighter Jet Unit
- Situational Awareness: Contact Information
- Fire Support
- Image exchange
- Forwarding to and from Link 16 (SIMPLE) unit networks and contact information
- Participation as a unit Link 16
- Tested with real radios











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More information: **Tactical and Secure Communications**



