

# 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)



## Tactical Link Exchange

### 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



**Headquarters:** Calle Marie Curie 19,  
4ª planta  
28521 Rivas-Vaciamadrid (Madrid)  
España  
[grupooesia.com](http://grupooesia.com)

### Contact:

✉ [producto@oesia.com](mailto:producto@oesia.com)

☎ +34 916 617 161

### More information:

[Tactical and Secure  
Communications](#)

