LinkSystems

Manpad C2-System

Features

Manpad systems like STINGER, STRELA or MISTRAL are often used stand-alone and are not part of an Air Defence Network.

The Link 16 based C2-System for Manpads offers a cost effective and efficient solution for the integration of Manpad systems into Air Defence Networks.

This allows the bidirectional information exchange with other Air Defence systems and High Echelon Units (HEU) and provides the following operational benefits for the Manpad systems:

- Enhanced situational awareness
- Improved weapon effectiveness
- Friendly Force Protection
- Weapon Coordination with other Air Defence systems
- Reduced workload and fatigue for the Manpad operators

Runs on PCs using Windows XP, Vista, 7

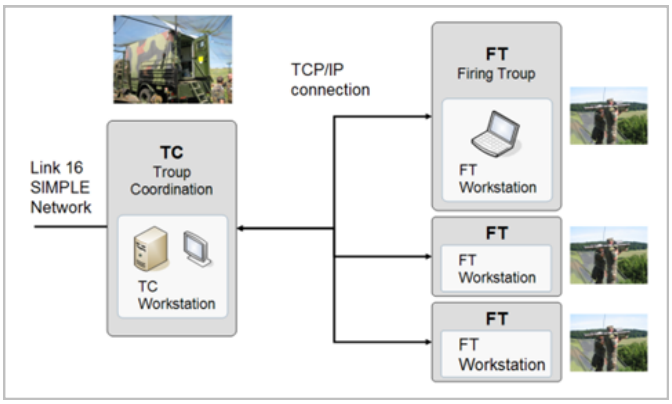
Users

- German Air Force

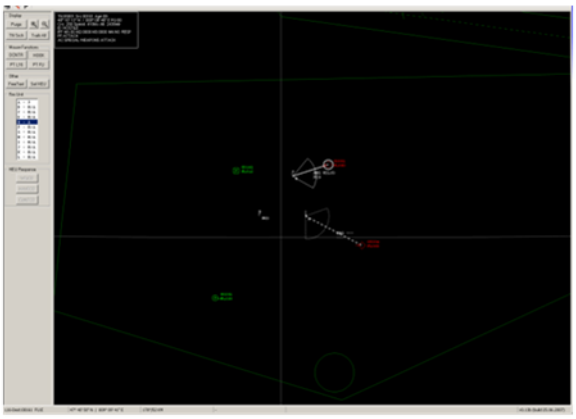
Description

Consists of **Troup Coordination Workstation (TCW)** and up to 16 **Firing Troup Workstations (FTW)**, that are located at the Manpad Firing Troups.

System Layout



Troup Coordination Workstation (TCW)



Can be connected to a Link 16-network via SIMPLE/JREAP. Direct connection via MIDS terminal available via Link 16-Gateway.

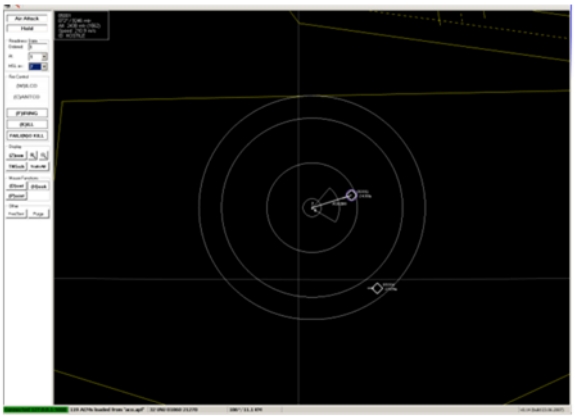
Shows **Tactical Display** with:

- Air Picture Compilation & Display
- Threat Evaluation
- Airspace Control Means (ACO)
- Monitoring of Engagements
- Command Reception from HEU
- Command generation for Manpad troups

Additional **Status Display (TCW)** is used for:

- Weapon and Readiness State Control, Monitoring of troup status data
- Free text message exchange with HEU and Manpad troups

Firing Troup Workstation (FTW)



Is located at a Manpad troup.
Provides the following functions:

- Air Picture Display
- Object/Target Data Display
- Airspace Control Means (ACO)
- Command Reception from HEU
- Troup status and engagement data input
- Two Fire Channels can be initialised per FTW
- Firing sector and positions will be automatically transferred to TCW

For physical connection between Troup Coordination Workstation (TCW) and Firing Troup Workstations (FTW) every TCP/IP or serial based message transfer system can be used, e.g. packet radios, ethernet cable, fibre optic cable.

If necessary, the system can also be connected to other TDL networks, e.g. like Link 11. In this case, an available Datalink forwarder can be used.

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