Tactical Communications

LINPRO

Advanced NATO Tactical Data Link Processor Multi-protocol/Multi-Platform

tecnobit
grupo oesía

Standardized NATO TDL Protocols

JREAP

LINK 16

LINK 22

VMF

Assured interoperability in links Tactical data

M-DLP LINPRO with SW/HW & SW VERSIONS

M-DLP with simultaneous multi-link processing and forwarding between networks.

Multiple C2 systems and integrated terminals

Proprietary User Interface (HMI) for management and monitoring of tactical networks

Widely deployed internationally

With a Broad User Community Advancing the Evolution of LINPRO

REF: LIN 0225

Specifications:

- The LINPRO system has several modalities for its integration and deployment (SW only, or SW/HW). A single LINPRO SW core, on a wide variety of different types of HW COTS/MOTS, and adaptable to the requirements of customers and end platforms. It also provides different types of possible interfaces such as M-DLP with the C2 systems with which it is integrated.
- LINPRO implements the latest versions of Link-11 A/B, Link-16, Link-22, JREAPC, VMF, and SIMPLE Protocols. It has the ability to participate concurrently in several networks and forward between the different protocols.
- LINPRO has two alternative operating modes called FULL PROCESSING MODE (ON/OFF), in which LINPRO assumes or delegates certain tactical processes to the combat system depending on its needs.
- LINPRO has its own user interface (HMI), dedicated to the configuration, management and monitoring of tactical networks and equipment used in communication chains.
- LINPRO integrates and manages DTS, MIDS, SNC, SPC, and VMF modem terminals, and enables the initialization, monitoring and management of Link-16, Link 22, and JREAP-C networks.

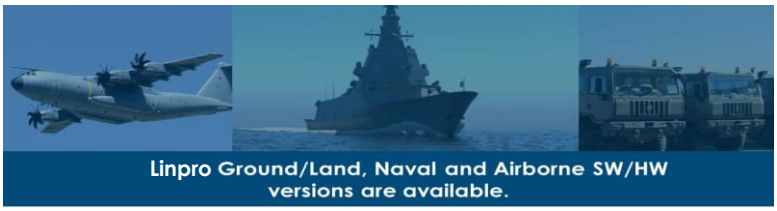
Data Links and Standards Protocols:

- Link-11 A/B (STANAG 5511)
- Link-16 (STANAG 5516 /ATDLP-5.16)
- Link-22 (STANAG 5522 /ATDLP ATDLP-5.22)
- JREAP-C (STANAG 5518) (MIL-STD-3011C)
- VMF (MIL-STD-6017), MIL-STD2045-47001, MIL-STD-188-220)
- SIMPLE (STANAG 5602)
- Data Forwarding y Concurrency (STANAG 5616 /ATDLP ATDLP-5.16)

Terminal/Network Integration and Management:

- **For Link-11:** Integrates DRS and ELBIT DTS terminals (DTS configuration and control is done from the LINPRO user interface -HMI).
- **For Link-16:** Integrates MIDS LVT and JTRS, in BU1 and BU2 versions. Compatible with different platforms such as type A, B and Q on 1553B and D, J, R and S interface through Ethernet interface. Integration of discrete signals as well.
- **For Link-22:** All SNMU, Alternate SNMU, NMU, alternate NMU and Nile Unit roles are supported. LINPRO supports participation in up to 4 networks. Fully compatible with all Link-22 (SPC) modems available on the market. SNC integration with latest BCRs (latest versions of SNC).
- **For JREAP-C:** Up to 16 concurrent JREAP-C links. JREAPC-JREAPC Data Routing. Supported link types: UDP Unicast, TCP-Server, TCP-Client, MULTICAST. Time Synchronization: Fixed Delay, Round Trip and UTC.

- Network initialization with **JNL, NETMAN** and **IDL** standards, through the LINPRO HMI.
- From **LINPRO HMI** you can manage networks, modifying their design parameters to seek better communication efficiency.


Linpro Ground/Land, Naval and Airborne SW/HW versions are available.

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