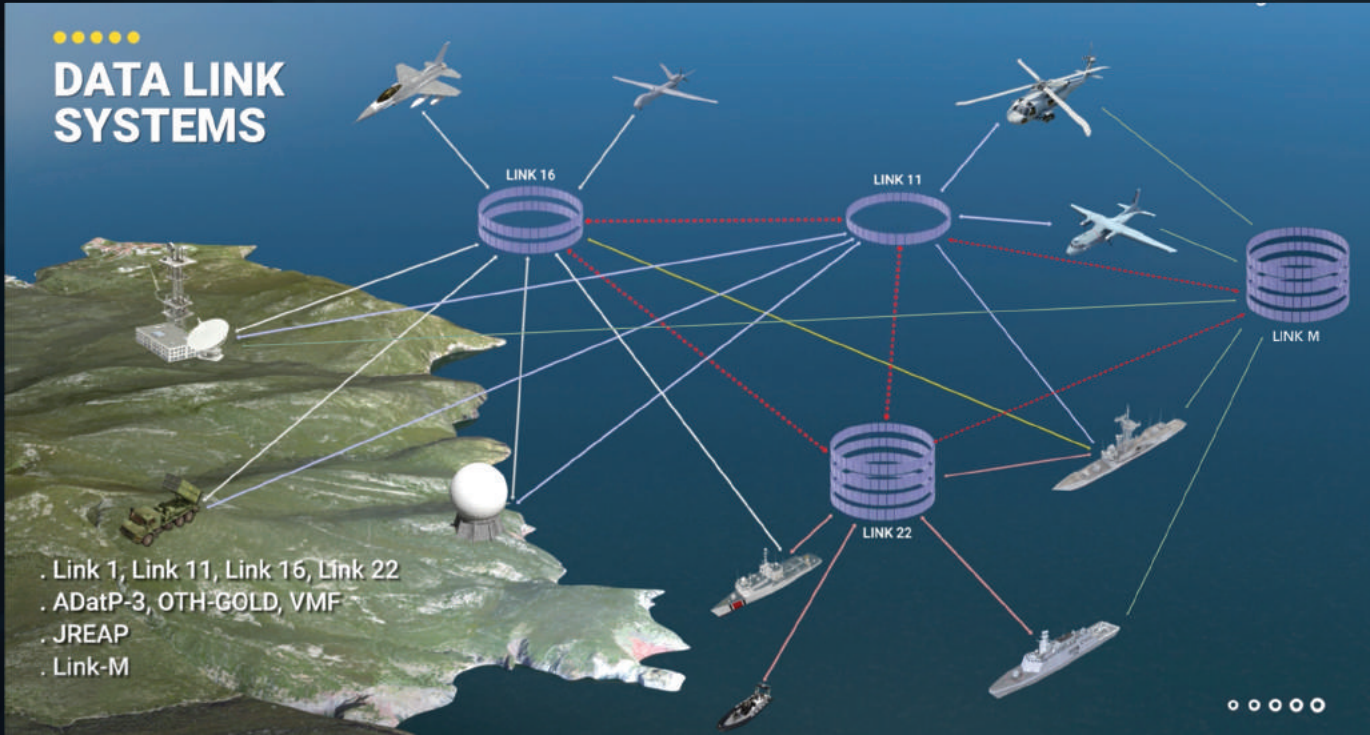www.milsoft.com.tr

LINK-M

Indigenous (National) Tactical Data Link

Link-M is an Indigenous Tactical Data Link System which enables information sharing amongst land/naval/air platforms using existing or new HF/V/UHF Radios and digital SATCOM channels.

DATA LINK SYSTEMS

. Link 1, Link 11, Link 16, Link 22
. ADatP-3, OTH-GOLD, VMF
. JREAP
. Link-M

Functions

· Possibility to exchange tactical data with advanced tactical data elements.
· Possibility to use national crypto systems and/or software encryption for increased tactical information security.
· Supports multi networks
· Uses modern "Message Delivery Service" techniques
· Air/Surface/Subsurface/Land/Space Surveillance
· Link (Super) Network Management, Control and Monitoring
· PLI & Platform and System Status
· Track Correlation
· Weapon Management and Coordination
· Command Messages
· Platform Control
· Track Number Management
· Information Management
· Electronic Warfare Control and Coordination
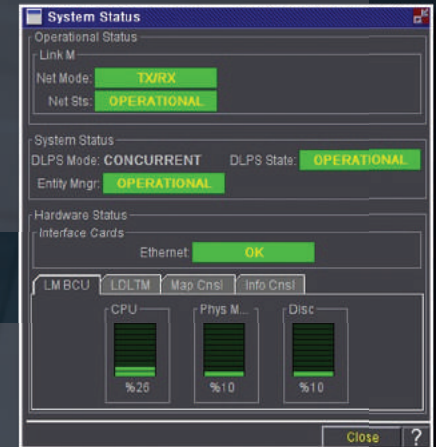· Data Link Filters

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Technical Features

· Employs a multi-network system, a total of 8 networks, with each Link M Unit participating up to 4 networks including SATCOM channels.
· Modem hardware can be acquired commercially alternatively.
· Uses a demand-based smart Time Division Multiple Access (TDMA) system.
· Uses super network management techniques, such as (re)initialization/reconfiguration, monitoring, late network entry, relay and routing management etc.
· Allows national crypto, by using standard synchronous serial cyptos.
· **Uses 256 bit AES software encryption.**
· Provides a Link independent standard interface for C2 systems
· User friendly Integrated Link Console HMI.
· Capable of displaying maps in S-57 / S-63 and ARCS formats.
· Multiple symbology support with run-time selection capability (APP-6(B), NTDS).
· Can be deployed on standard COTS hardware configuration.
· Support for AML (Additional Military Layers)

Benefits

· Privides an indigenous tactical data link solution especially for non-NATO nations.
· Due to national crypto availability, provides a "National" tactical link solution.
· Compatible with Data Forwarding to/from NATO Links.
· May use commercial modems alternatives.
· Uses SATCOM channel as direct network architecure.
· Portable: Link-M is developed independent from platform, operating system and hardware.
· Open to Modifications/Improvements: Link-M is developed by following OACE standard and it can be modified or improved by spending little effort to adapt changes in addition/deletion of messages or changes in message field.
· Suitable for Different Integration Models:
  - Can be deployed standalone,
  - It can be a part of Mission Computer,
  - It can be integrated with Legacy CMS systems through an adapter unit,
  - It can be deployed together with Mil-CMS without using an adapter.

Why ?

· Provides advanced tactical data link capability for non-NATO nations free of restrictions.
· Provides a "National" TDL solution with the ability to use a national crypto.
· Proviides superior operational capabilities.
· Direct use of SATCOM channel.

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