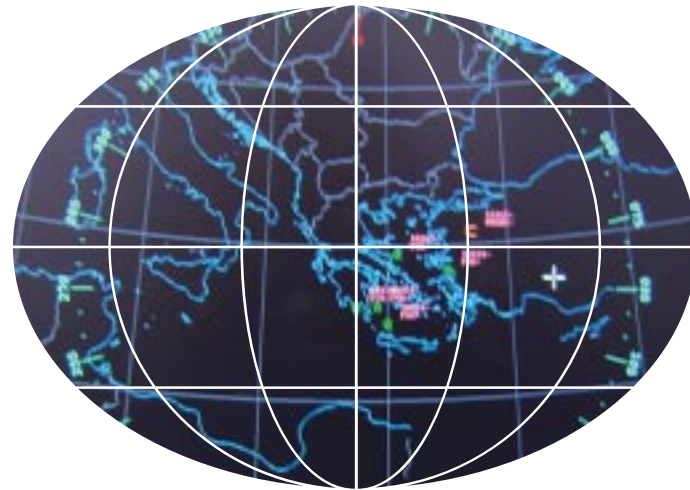


Universal Link System (ULS)

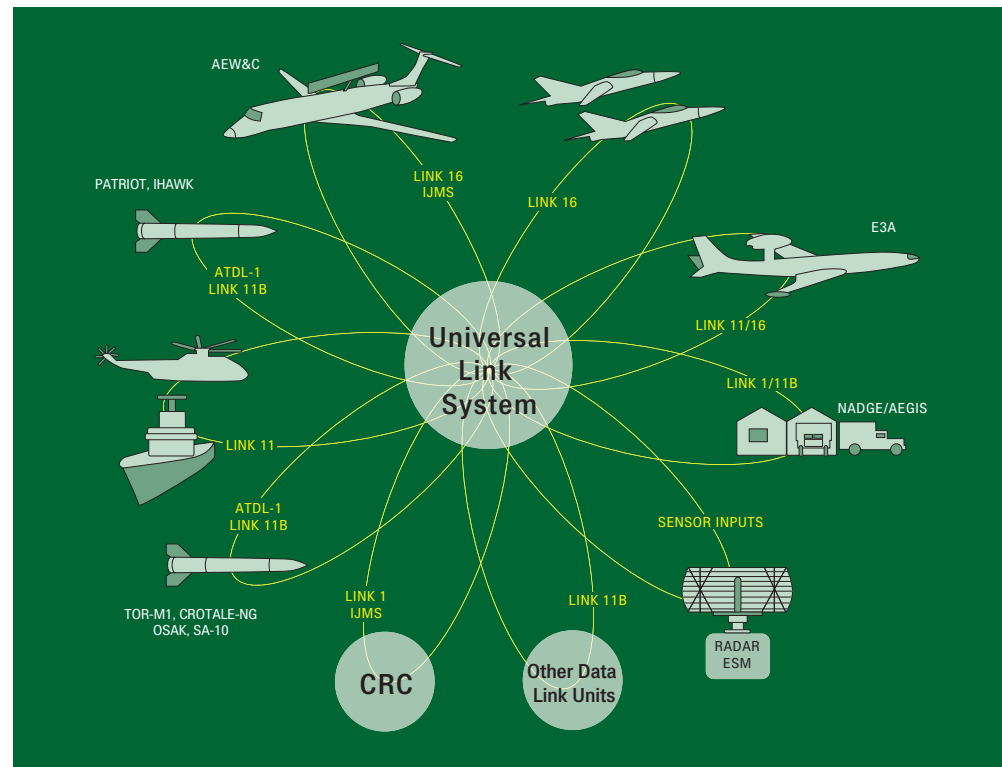


Interoperability Systems International Hellas S.A.

Universal Link System (ULS)



The Universal Link System (ULS) provides a Data Link Processor (DLP) that can be configured to include all NATO Standard Data Links (Link 1, Link 11, Link 11B, Link 16, IJMS and ATDL-1) in any combination required by the customer. The system can also be configured to accept sensor inputs (ESM and Radar) as well as implement TADIL-J Joint Range Extension protocols. The system performs forwarding of remote and local information between all the Data Links thus assuring a Common Recognized Tactical Picture (RTP) for all Armed Forces assets.



The ULS also provides a dual-screen Command and Control (C2) console that presents a graphical display of the land, air, surface and sub-surface tactical situation and a Human Machine Interface (HMI) for configuring and controlling the ULS and its communications suite, as well as giving the operator the capability to send and receive status messages, orders and commands, and weapons employment information over data links. The ULS is a first step in achieving Inter-Service interoperability and provides the basis of a truly integrated Tactical Environment.

The ULS can be configured as an affordable single data link solution for an individual unit. As the unit's operational link

requirements expand, that single link capability can easily be increased to multiple links with forwarding by merely adding hardware and software modules to the existing equipment. Since the ULS console is designed for this expansion capability, the physical footprint of the equipment that makes up the console does not change.

The ULS is delivered with a comprehensive Operator Manual that clearly explains, in words and graphics, all facets of the operation of the ULS. From initializing a data link to understanding the data that is displayed when a track is 'hooked'; everything is organized and succinctly stated to facilitate training of a novice operator or quick reference by the experienced operator.



ULS Features

- > Small Physical Footprint
- > Primarily COTS Equipment for Cost Reduction
- > Ease of Maintenance and Repair
- > Stand-alone or Multi-console Configurations
- > Adaptable to any Data Link Configuration
- > Multi-link Capable with Forwarding
 - User defined Forwarding Filters
 - Geographic, Altitude, Positional, etc.
- > Interoperability between Standard NATO Links
- > Expandable to incorporate Customer-defined data links
- > Custom connectivity to Legacy Tactical Systems
 - Proprietary API for Isolation of Protocols
- > Robust Data Extraction/Reduction Capability
- > C2/C3 Operational Capability
 - Commands & Orders
 - Weapons Control & Status
 - Treat Evaluation, etc.
- > Dual Display – Graphical Tactical Situation and Text
- > Capable of Processing Sensor Inputs
- > Automatic Correlation/Decorrelation Processing
- > Real-time Information Management and Decision Support
- > Configurable Track Information Display



The Universal Link System is a cost effective force multiplier that provides an increase in situational awareness and improved control of tactical assets. The ULS is adaptable to the Customer's unique configuration with NATO standard and Customer-defined Links. The system's expandability and adaptable configurations make it a viable solution for any data link requirement.





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