

# DATA LINK INTEGRATED SOLUTIONS

ENSCO's PROCESS-DRIVEN APPROACHES AND DOMAIN EXPERTISE DELIVER RELIABLE AND COST-EFFECTIVE INTEGRATED DATA LINK DEVELOPMENT SOLUTIONS



## Experience you can trust

ENSCO's engineers have more than 25 years experience in the integration and implementation of Tactical Data Link systems into multiple platforms.

Our engineers have been at the forefront of **LINK-16** and **Situation Awareness Data Link (SADL)/ Enhanced Position Location and Reporting System (EPLRS)** requirements definition, integration, facility design and development, systems integration and test, and certification. Our subject matter experts can help design and implement a streamlined development plan to integrate the right tactical Data Link solution into your platform.

Using a detailed perspective, we provide independent and unbiased assessments of your Data Link design and implementation needs; we then offer recommendations tailored to your specific mission. From requirements to in-service modifications, our team provides cost-effective support at any stage of your **Link-16** or **SADL/EPLRS** implementation through completion of the service/governmental approval process. These flexible and agile services can either be provided at your site or remotely from a number of ENSCO sites.



ENSCO Data Link Services
Gap Analysis
System Modifications
Test Facility Development
Simulation Scenario Development/Generation
System Integration Test/Proof of Compliance
Certification Planning and Execution
Test Network Specification
Training Services
iSMART Approach

ENSCO Platform Experience
MH-60R
MH-60S
F/A-18C/D
F/A-18E/F
A/OA-10C
CVN
CG
DDG

**“If you are not Link 16 (TADIL J) capable, you will not be welcomed on the US Battlefield and, in fact, you will be considered a blue on blue engagement generator - a threat to friendly and coalition forces.”**

*- Vice Admiral Cebrowski, USN, Joint Chief of Staff J6*

## Gap Analysis

ENSCO reduces costs by developing program roadmaps that anticipate future program growth. By analyzing your current system, documenting the variance between current capabilities and required system modifications, we develop forward-looking plans to reduce future development costs. Our analysis provides the necessary steps required to implement a seamless Data Link integration solution.

## System Modifications

ENSCO performs key system modification activities based on implementation roadmaps. These activities include:

- Requirements definition
- Architecture modification
- User Interface development

## Test Facility Development

ENSCO's team of experts support the development of your test facilities through:

- Modeling and simulation requirements
- Hardware requirement definition
- Test equipment requirements
- Lab/Equipment configuration, development, and hardware integration
- COMSEC requirements and procedures
- Test bench procedure manuals

## Simulation Scenario Development/Generation

ENSCO's engineers are experienced with the latest tools and standards to facilitate:

- Tactical Data Link test tool selection
- Mission-specific scenario generation

## System Integration Test/Proof of Compliance

ENSCO's systems engineers are experienced in writing and executing SIT/POC procedures on multiple platforms such as the MH-60R/S, A/OA-10C, F/A-18C/D, F/A-18E/F, AEGIS CG/DDG, and CVN.



## Certification Planning and Execution

Through all development phases, from requirements to certification, our diverse experiences in the formal certification processes have armed us with best practices and processes to meet your specific certification needs. Our support includes:

- Certification requirements identification
- Timeline development
- Certification authority interface

## Test Network Specification

ENSCO provides guidance to network design teams for requirements needed to facilitate Data Link participation. Our support includes:

- Network design requests
- Operational network considerations

## Training Services

ENSCO's engineers provide customized training to meet specific platform implementation goals. Based on our extensive past experiences, we provide training in the following areas:

- Data Link
  - LINK 16
  - EPLRS/SADL
- Platform specific
  - Operator
  - Maintenance
- COMSEC
- Mission planning

## iSMART Approach

### Interoperable Systems Management and Requirements Transformation (iSMART)

ENSCO utilizes the **Interoperable Systems Management and Requirements Transformation (iSMART)** process, a repeatable systems engineering process that is the internationally accepted means to achieve visibility of interoperability challenges in the development of information systems and communications media, including tactical data links. It provides analysis of interoperability across operational and strategic data communications systems as well as down to the tactical edge where the warfighter is located. As an early proponent of iSMART on programs such as A-10 and MH-60, we have seen that platforms that implemented iSMART early in the acquisition cycle realized the benefits of planned interoperability such as early problem detection and correction, realized critical and timely cost savings, and the end product was a detailed documentation of a platform's information exchange capability.

***Whether you need a partner, a total solution, or engineering expertise to complement your own, ENSCO will respond to your business needs with a value-added solution.***

**For more information, please contact:**

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