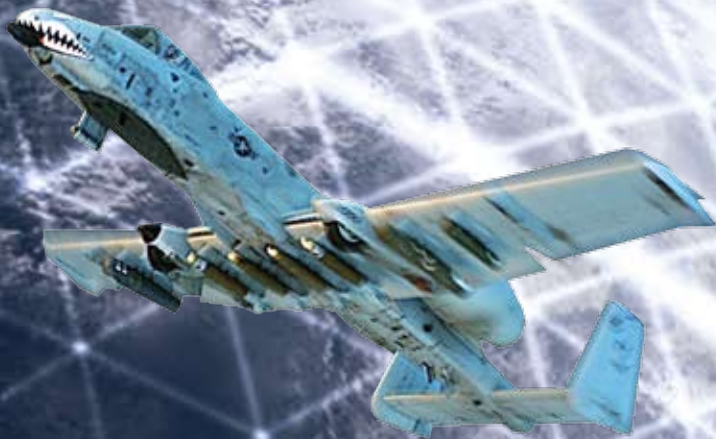


ENSCO



DATA LINK INTEGRATED SOLUTIONS



“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**



ENSCO Data Link Integrated Solutions

ENSCO provides ships, aircraft, and ground platforms with secure, real-time, jam-resistant Data Link communications to give US, Joint, and Coalition forces situational awareness on the battlefield and the ability to share critical voice, digital, and imagery data. We have a heritage of delivering:

Comprehensive Data Link Solutions

Like no other company, ENSCO's process-driven approaches and domain expertise deliver reliable and cost-effective integrated data link development solutions that support the Global Information Grid.



Our engineers are at the forefront of the **LINK-16** and **Enhanced Position Location and Reporting System (EPLRS)/Situation Awareness Data Link (SADL)** communities. Our subject matter experts can help you at any point in your process: from defining your objectives/requirements, designing and building systems to meet your objectives, providing integration and test support, training operators and maintenance personnel, and ultimately maintaining or upgrading your platforms Data Link systems for the 21st Century.

Unparalleled Expertise and Experience

There are a multitude of companies who claim to have Data Link 'experts' on staff. But achieving interoperability across platforms, branches of service, and even countries/allies requires more than just technical expertise. It requires professionals that have years of experience delivering *comprehensive, working Data Link solutions*.



Many of our Data Link engineers have come to ENSCO following lengthy, successful careers in the US military as pilots, aircrew, operators and technicians, air controllers, and instructors. This Battle Force experience brings a firsthand understanding of the functional and operational challenges facing our customers.

Practical experience combined with top-tier technical expertise enables our engineers to anticipate challenges that may be unforeseen by our competitors, such as:

- changing interoperability requirements,
- Integration obstacles (e.g., hardware limitations, display capabilities, UI bottlenecks),
- certification/compliance hurdles,
- unique/special mission requirements, and
- tradeoffs between costs and technology advancements.

Maintaining the Edge

Our engineers also maintain their cutting edge knowledge and expertise by active participation and leadership in military and civilian working groups:

- SADL
- BOSS
- EW
- Link-16
- NAWC-WD VMF Summit
- SKL
- iSMART
- Various FAA Summits
- AFTRG

Platform & Agency Experience

MH-60R/S	A/OA-10C	DDG
F/A-18C/D	CVN	NASA
F/A-18E/F	CG	FAA



iSMART Integration

iSMART is a repeatable systems engineering process with a particular emphasis on interoperability of systems and platforms. The interoperability authorities for the US Navy (NCTSI) and US Air Force (GCIC) have embraced the iSMART process as a means to ensure Information Exchange Requirements (IER) and Interoperability Key Performance Parameter (I-KPP) satisfaction. An early adopter of the iSMART approach, ENSCO has experience designing tactical Data Link systems on the MH-60 and A-10C platforms utilizing the iSMART framework, eliminating considerable integration costs, and preventing numerous discrepancies early in Data Link implementations.

“The iSMART process complements existing US Department of Defense acquisition policy. Platforms that have implemented iSMART early in the acquisition cycle are realizing the benefits of planned interoperability such as early problem correction, timely cost decisions, and full documentation of a platform’s information exchange”.

**US Joint Forces Command (JFCOM)
iSMART Handbook**

Agility in Thought, Agility in Service

At ENSCO, we pride ourselves on our industry-leading engineers and scientists drawing upon each other’s expertise to offer innovative product and service solutions to the most complex challenges facing our customers. Uniquely different from the world’s largest defense contractors, we have more than 40 years of consistent, organic growth and experience, yet the customer connection of a family-owned business.



This unique positioning means that we are not beholden to a single corporate mindset or approach. We are not slowed by complex layers of corporate hierarchy. We are not confined to using a particular company’s products or services in our design. We do not answer to shareholders. Simply put, we use the best people, the best available hardware/software, and the best approaches to deliver the best possible Data Link solutions to our customers.

ENSCO's Suite of Data Link Solutions

- Analyze current system
- Identify variance between current capabilities and required system modification
- Develop forward looking plans to reduce future development costs

Gap Analysis

- Requirements definition
- Architecture modification
- User Interface development

System Modifications

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

Test Facility Development/Range Support

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

Simulation Scenario Development/Generation

- Experienced in SIT/POC procedures on multiple platforms:
- MH-60R/S • A/OA-10C • F/A-18C/D
 - F/A-18E/F • AEGIS CG/DDG • CVN

System Integration Test/Proof of Compliance

- Certification requirements identification
- Timeline development
- Certification authority interface
- FAA Civil Certification

Certification Planning and Execution

- Network design requests
- Operational network considerations

Test Network Specification

- Data Link (LINK 16/22, EPLRS/SADL)
- Platform specific (Operator and Maintenance)
- COMSEC
- Mission planning

Training Services

ENSCO's Data Link Integrated Solutions Group is headquartered in Endicott, N.Y., with satellite offices in Rockford, Ill., and Riverside, Calif.

For more information, please contact:

Tom Matarese
matarese.tom@ensco.com

ENSCO, Inc.

3 Holiday Hill Road
Endicott, NY 13760
607-786-9000

866-367-2669 (ENSCO-NY)

www.ensco.com/datalinks