

AN/BLQ-10(V)

SUBMARINE ELECTRONIC WARFARE SYSTEM



LOCKHEED MARTIN



Photo Courtesy U.S. Navy

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AN/BLQ-10(V) Submarine Electronic Warfare System

Real-time situational awareness for the electromagnetically dense littorals.

No system provides assured access like a U.S. Navy Submarine. The AN/BLQ-10(V) electronic support system is helping to meet the challenges of today's and tomorrow's Navy with a proven, low risk and affordable, electronic warfare system, providing critical analysis in an uncertain and dynamic environment.



AN/BLQ-10(V) Features

Automatic Detection, Acquisition, Identification, and Localization

Submarines require organic, tactical ESM and reconnaissance capability to ensure operational effectiveness. The AN/BLQ-10(V) rapidly receives, analyzes, and reports critical signals of immediate importance to the submarine commanding officer. Key to the AN/BLQ-10(V) tactical utility is a robust interface with the non-propulsion electronic systems tactical network.

Full Spectrum Radar Processing

The AN/BLQ-10(V) system processes hostile, neutral, and friendly emissions.

Automatic Threat Warning and Situation Assessment

As a mission enabler, the system offers submarine commanders a full range of tools to aid rapid reaction to dynamic situations.

Extensive COTS and NDI Hardware and Software

Lockheed Martin has successfully defined and integrated extensive COTS and NDI hardware and software, adapted to meet the Navy's affordability goals, while satisfying the fleet's operational requirements.

**BE THE FIRST TO KNOW
IN THE LITTORAL
BATTLESPACE WITH THE
LOCKHEED MARTIN
ADVANCED SUBMARINE
TACTICAL ELECTRONIC
WARFARE SUPPORT
MEASURES COMBAT
SYSTEM**

System Engineering and Integration — Second to None

The Lockheed Martin approach is top down, balancing requirements with development and life cycle costs. We have successfully defined and integrated AN/BLQ-10(V) during concurrent development of other submarine subsystems including Imaging Masts, Integrated ESM Mast, Multifunction Modular Mast, Exterior Communications, Sonar, and other ship systems.

Flexible Open Architecture for Future Growth

A secure, modular, open architecture design ensures that the AN/BLQ-10(V) Electronic Warfare System remains viable in an increasingly crowded maritime electromagnetic environment.

AN/BLQ-10(V) Operator Displays and Reports

Mission Tasking

- Threat Warning/Mission Tasking Display
- 2nd Tier Tasking Display

Quick Search Primary Threat Warning

- Signal Alerts and Summary Display
- Early Warning Panel

Quick Search Secondary Threat Warning

- Geographic Display
- Identification Confidence Display

Precision and Communications

Direction Finding

- Signal Alerts and Summary Displays
- Geographic Display
- DF Plots Display

Reports Display

- Signal Alerts and Summary Display

Analysis/Situational Assessment

- Signal Exploitation
- Receiver Control
- Contact Manager
- Geographic Situation
- Non-Interest Signals

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