

Lockheed Martin-Proposed Common Electronic Warfare System For U.S. Navy Surface Fleet Successful During Sea Testing

Lockheed Martin's Integrated Common Electronics Warfare System (ICEWS) -- a single enterprise solution designed to scale across all ship classes in the U.S. Navy's surface fleet -- performed successfully during a series of just-completed demonstrations conducted by the Navy.

The at-sea demonstration of ICEWS, held beginning in June, followed recent land-based testing and further validates the enterprise approach that Lockheed Martin has taken in developing sensor systems for U.S. Navy vessels.

Lockheed Martin's ICEWS electronic warfare (EW) solution will compete for the upcoming Surface Electronic Warfare Improvement Program (SEWIP) Block 2 contract award for the Navy's next generation upgrade to the AN/SLQ-32 (V) Electronic Support Measures system. SEWIP Block 2 will upgrade the receiver and antenna capabilities, as well as the combat system interface, of the legacy surface EW system.

Lockheed Martin's ICEWS was specifically designed to provide a sensors capability upgrade, as well as built-in system commonality, to the AN/SLQ-32 (V) system. The modular ICEWS -- which will use common electronics across the enterprise system -- will provide the Navy with the latest surface EW capabilities, as well as enhanced agility to upgrade technology as it becomes available to address changing and emerging threats. ICEWS will also provide proven cost savings and ease of maintenance through the use of COTS components.

Lockheed Martin's scalable enterprise approach to ICEWS is based on the company's Rapid Commercial Off-The-Shelf (COTS) Insertion program, which has been used successfully on EW and sonar system upgrades on all classes of U.S. Navy submarines.

"The Lockheed Martin team brings its experience as the premier enterprise submarine electronic warfare provider to the challenge of developing a similar approach for surface electronic warfare," observed Carl Bannar, vice president for Lockheed Martin's Syracuse, NY-based Radar Systems business. "We will provide a highly capable, modular solution that uses open systems architecture."

EW refers to the use and denial of use of the electromagnetic spectrum by a broad range of electronic technologies, including active and passive systems.

Headquartered in Bethesda, MD, Lockheed Martin employs about 140,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services. The Corporation reported 2007 sales of \$41.9 billion.

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