

# Lockheed Martin Completes First Live Tracking Exercise With New Multi-Mission, Open Architecture Aegis Signal Processor

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Lockheed Martin successfully identified and tracked numerous live targets for the first time using its new Multi-Mission Signal Processor (MMSP). The MMSP is intended to help combine next-generation Aegis Ballistic Missile Defense and Anti-Air Warfare capabilities in an open combat system architecture for the U.S. Navy.

"By combining the proven SPY-1 radar and Aegis Ballistic Missile Defense signal processing capability, we will provide cost-effective and space-efficient warfighting improvements for the U.S. Navy," said Allan Croly, director, Naval Radar Programs, for Lockheed Martin's Mission Systems and Sensors business unit.

The augmented Aegis system detected air tracks at the Navy's land-based test facility, the Vice Admiral James H. Doyle Combat Systems Engineering Development Site in New Jersey. Additional testing will occur throughout 2010. As part of the Aegis Modernization Program, MMSP is scheduled for installation on guided missile destroyers currently equipped with the Aegis Weapon System. The MMSP installations will begin in 2012.

The road to Aegis Open Architecture has included extensive systems engineering to reconfigure the Aegis system to allow frequent technology refreshes and the ready acceptance of capability upgrades, whether they are accomplished via new development or the integration of third-party-developed products.

The 92 Aegis-equipped ships currently in service around the globe have more than 950 years of at-sea operational experience and have launched more than 3,500 missiles in tests and real-world operations. In addition to the United States, Aegis is the maritime weapon system of choice for Australia, Japan, Norway, South Korea and Spain.

Headquartered in Bethesda, Md., Lockheed Martin is a global security company that 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 2009 sales of \$45.2 billion.

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