

# Air Surveillance Radar Successfully Tracks First Targets at Wallops Island



SPY-6(V)2, Enterprise Air Surveillance Radar (EASR), recently completed its first system-level tests. The Raytheon Co.

WALLOPS

ISLAND TEST FACILITY, Va. – Raytheon Co. and the U.S. Navy completed the first system-level tests of SPY-6(V)2, the Enterprise Air Surveillance Radar (EASR), at the Surface Combat System Center at Wallops Island, Virginia, Raytheon said in a statement.

In the first test the radar searched for, detected, identified and tracked numerous targets – including commercial aircraft. In a second exercise, the maturity of EASR integration enabled the radar to track multiple targets continuously for several hours during a test involving another system.

EASR, the newest sensor in the Navy's SPY-6 family of radars, provides simultaneous anti-air and anti-surface warfare, electronic protection and air traffic control for aircraft carriers and amphibious warfare ships.

“Moving quickly from radar installation at Wallops Island to ‘tracks on glass’ in less than three months is a major accomplishment,” said Navy Capt.

Jason Hall, program manager for above water sensors, Program Executive Office Integrated Warfare Systems. "The EASR program is progressing extremely well. We are now one step closer to production and delivering the radar's unmatched capability to the surface fleet."

Two variants of EASR are being built: a single-face rotating array designated AN/SPY-6(V)2 for amphibious assault ships and Nimitz-class carriers and a three fixed-face array designated AN/SPY-6(V)3 for Gerald R. Ford-class aircraft carriers and the future FFG(X) guided missile frigates.

Both versions of EASR are built on scalable Radar Modular Assembly, or RMA, technology as well as a software baseline that has been matured through development and test successes of AN/SPY-6(V)1, the Navy's program of record for the DDG 51 Flight III destroyers. These individual radars can integrate to form arrays of various sizes to address any mission on any ship. EASR also adds air traffic control and weather capabilities to the mature SPY-6 software baseline.

Upon completion of system-level testing in the fourth quarter of 2019, EASR will shift from the engineering and manufacturing development phase to the production phase. The first delivery of AN/SPY-6(V)2 will be to LHA 8, the third America-class amphibious assault ship.