

# Lockheed Martin and Missile Defense Agency Demonstrate Critical Capability for Defending Guam with Successful Flight Test



From Lockheed Martin

ANDERSEN AIR FORCE BASE, Guam, Dec. 11, 2024 – Lockheed Martin and the Missile Defense Agency (MDA), in support of United States Indo-Pacific Command and the Department of Defense (DoD), have successfully completed Flight Experiment Mission (FEM)-02. Completion of FEM-02 demonstrates significant regional capability with a live exo-atmospheric intercept of a Medium-Range Ballistic Missile (MRBM) target using the Aegis Guam System (AGS) from the island of Guam.

“In partnership with the MDA, Lockheed Martin went from contract award to intercept flight test in less than two years. This rapid integration of capabilities to demonstrate the defense of Guam was enabled by leveraging proven systems and Lockheed Martin’s systems engineering, production and test excellence,” said Paul Lemmo, vice president and general manager of Integrated Warfare Systems & Sensors at Lockheed Martin. “Lockheed Martin is fully committed to providing 21st Century Security solutions for Guam.”

AGS, integrated with the AN/TPY-6 Radar, Vertical Launching System (VLS), and Standard Missile, could aide with pacing the Indo-Pacific threats and expanding joint all-domain operations for Guam and the region.

The FEM-02 test took place from Andersen AFB in Guam and demonstrated the defense of Guam against an air-launched MRBM. AGS was successful in acquiring and tracking the target using the AN/TPY-6 radar, planning and conducting the missile engagement using the Aegis system, launching the interceptor from the VLS on Guam, and intercepting the target over the broad ocean area.

This test provided DoD a better understanding of the missile defense system’s ability to counter threats in a realistic environment and the preliminary analysis indicates a significant step forward in the MDA’s efforts to protect the United States and its allies from emerging missile threats.