

Lockheed Martin And U.S. Navy Demonstrate Submarine-Launched Ballistic Missile

Navy marks final planned test of Lockheed Martin-built submarine-launched ballistic missile from an OHIO-class submarine, extending record of success



The U.S. Navy conducted Demonstration and Shakedown Operation-32 (DASO-32), successfully launching an unarmed missile from the Pacific Ocean off the coast of California on September 27, 2023. Photo credit: U.S. Navy.

TITUSVILLE, Fla., Sept. 29, 2023— On September 27 Lockheed Martin (NYSE: LMT), supporting the U.S. Navy, marked the successful launch of one Trident II D5 Life Extension Fleet Ballistic Missile ([FBM](#)). The Navy conducted Demonstration and Shakedown Operation-32 (DASO-32) launching an unarmed missile from the Pacific

Ocean off the coast of California.

DASO-32 increased the Trident II D5 record to 191 successful test launches since design completion in 1989 – the most reliable test record for a large ballistic missile. Through the test, Navy submarine USS Louisiana (SSBN 743) demonstrated the readiness of the crew and strategic weapon system and certified the crew for strategic patrol. The DASO event provides an opportunity to collect data about the D5 Life Extension missile's performance using a test missile kit, also produced by Lockheed Martin. This event represents the last planned DASO resulting from an engineer refueling overhaul from an OHIO-class submarine.

"We are proud of Lockheed Martin's nearly seven decades of partnership with the U.S. Navy to develop advanced weapon capabilities to deter threats to our nation and allies," said Jerry Mamrol, vice president of Fleet Ballistic Missiles at Lockheed Martin. "As the Navy turns towards the future of sea-based strategic deterrence, our new generation of engineers and technicians are poised to meet the challenges of this next era. Lockheed Martin is already preparing and modernizing the missile for its future launch platform, COLUMBIA-class submarines."

About the Missile

The D5 missile, built and upgraded by Lockheed Martin for the Navy, is the most advanced ballistic missile in the world and is currently aboard U.S. OHIO-class and UK VANGUARD-class submarines. The three-stage, solid-propellant, inertial-guided ballistic missile can travel a nominal range of 4,000 nautical miles and carries multiple independently targeted reentry vehicles.

The joint government-industry team achieved the initial fleet introduction of the D5LE in 2017. The Life Extension program modernized the submarine-launched ballistic missile while maintaining the proven performance of the D5 missile for significantly less than the cost of designing a new missile.

An Enduring Partnership

Lockheed Martin has served as the prime contractor for the design, development, production, test, and sustainment of every variant of submarine launched ballistic missile and support equipment, from Polaris to Poseidon to today's Trident system. The Trident II D5 missile will continue to serve as the seaborne leg of the U.S. Nuclear Triad for decades to come.

Lockheed Martin's FBM program is focused on innovation with advanced digital technology, [modern facilities](#), and a culture of excellence.

For additional information, visit our website: www.lockheedmartin.com.

About Lockheed Martin

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