PAC-3® MSE

Delivering Increased Range and Altitude
OVERVIEW

The PAC-3 Missile Segment Enhancement (MSE) is an evolution of the battle-proven PAC-3 Cost Reduction Initiative (CRI) Missile. The hit-to-kill PAC-3 MSE expands the lethal battlespace with a two-pulse solid rocket motor to increase performance in altitude and range and effectively counter evolving threat advancements. It is the world’s most advanced and capable air defense missile, defending against the PATRIOT Air Defense System threat: Tactical Ballistic Missiles (TBMs), cruise missiles and aircraft. As the U.S. Army increases its inventory, we expect to see continued demand for PAC-3 MSE.

ADVANCED CAPABILITIES

- Dual pulse solid rocket motor expands battlespace performance in altitude and range.
- Highly responsive airframe, larger fins, upgraded actuators and thermal batteries deliver increased performance and extend the interceptor’s overall reach.
- Stackable single canister packaging provides logistical flexibility with minimal launcher modifications
- Up to 12 individual PAC-3 MSE missiles can be loaded on a PATRIOT Launcher, or a combination of six MSE and eight PAC-3 missiles (two four packs).

MILESTONES

- More than sixty PAC-3 CRI and MSE missiles have successfully intercepted targets in flight testing.
- The U.S. Army declared Initial Operational Capability for the PAC-3 MSE in 2016 and approved it for Full Rate Production in 2018.

CONTACT INFORMATION

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