



PAC-3 MISSILE SEGMENT ENHANCEMENT (MSE)

DELIVERING INCREASED RANGE AND ALTITUDE

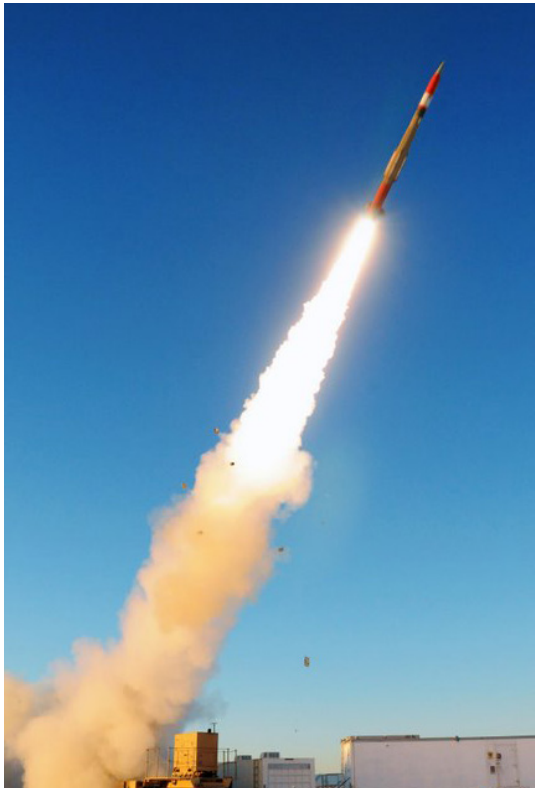
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FEATURES:

- Improves effectiveness throughout current battlespace
- Expands missile performance battlespace in altitude and range
- Defender against PATRIOT full regime of system threats
- Minimal launcher modifications required
- Dual pulse technology enables further improvements to overall system performance and lethality



A PAC-3 MSE launches at White Sands Missile Range, N.M.



The hit-to-kill technology of the PAC-3 MSE.

Contact Information

Media and Press Inquiries: (972) 603-9466

Business Development: (972) 603-7328 (FAX)

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PAC-3 MISSILE SEGMENT ENHANCEMENT (MSE)

Upgraded Interceptor

The PAC-3 Missile Segment Enhancement (MSE) is an evolution of the battle-proven PAC-3 Missile. The hit-to-kill PAC-3 MSE provides performance enhancements that counter evolving threat advancements. The enhancements ensure the PAC-3 Missile Segment of the PATRIOT Air Defense System is capable of engaging new and evolving threats. The hit-to-kill PAC-3 Missile is the world's most advanced, and capable theater air defense missile and defender against the entire threat to the PATRIOT Air Defense System: Tactical Ballistic Missiles (TBMs) carrying weapons of mass destruction, evolving cruise missiles and aircraft.

The PAC-3 MSE design utilizes the latest technology to significantly increase performance. The PAC-3 MSE incorporates a larger, dual pulse solid rocket motor; larger fins; and upgraded actuators and thermal batteries to accommodate increased performance. The modifications extends the missile's reach.

The PAC-3 MSE is packaged in a single canister that stacks to provide logistical flexibility. Twelve individual PAC-3 MSE Missiles can be loaded on a PATRIOT Launcher or a combination of six MSEs and eight PAC-3 Missiles (two four packs) can be loaded.

Several successful intercept flight tests of the missiles have been conducted.

PAC-3 MSE has completed operational testing and has received approval for initial production.



The PAC-3 MSE's dual pulse rocket motor provides added thrust.