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Aegis Ashore
Supporting Phased Adaptive Approach for Layered Missile Defense



Aegis Ashore: Same as Aegis Afloat

Aegis Ashore with the Standard Missile 3 (SM-3) Combat System is identical to the fielded maritime system.

Aegis is already *ashore* and has been for more than 30 years.

All elements of Aegis are already in use in land-based applications that range from development and integration test facilities to launch and production test facilities. Every Aegis system at sea today was fully tested ashore before it was transitioned to ship use.

SPY-1 radars are active at the U.S. Navy's Combat System Engineering Development Site (CSEDS) in Moorestown, N.J.; Naval Surface Warfare Center Dahlgren Division (NSWCDD) in Dahlgren, Va.; National Severe Storms Laboratory in Norman, Okla.; and Surface Combat Systems Center (SCSC) in Wallops Island, Va.

Multiple baselines of the Aegis Weapon System and Aegis Ballistic Missile Defense (BMD) are active in Moorestown, Dahlgren and Wallops Island.

The Aegis Weapons Control System and the MK 41 Vertical Launching System are active at White Sands Missile Range in New Mexico.

Built on Proven Technology

Aegis Ashore is built on operationally validated sea-based Aegis BMD technology and leverages the existing capability and proven track record of the Aegis system, currently operating on more than 100 ships at sea worldwide.

- Twenty-six Aegis BMD-equipped warships – 22 in the U.S. Navy and four in the Japanese Maritime Self-Defense Force – have the certified capability to engage ballistic missiles and perform long-range surveillance and tracking missions.
- Twelve additional ships have been identified for modification to perform BMD missions in 2014.
- Standard Missile 3 (SM-3) is already fully integrated with Aegis/SPY-1/VLS.
- Aegis/SPY-1 has link capability to connect with other sensors.
- Aegis offers a robust lifecycle and well-established logistics and training programs.

Key Milestones

- 2013 - Pacific Missile Range Facility (PMRF) Testbed
- 2015 - System install in Romania

Existing Capabilities, New Missions

Aegis Ashore fully supports the ability to do new missions with capabilities that already exist.

In March 2011, the USS Monterey, equipped with the Aegis Weapon System, was deployed to Europe as part of Phase 1 of the Administration's Four-Phased European Phased Adaptive Approach (EPPA) approved by NATO.

In April 2011, Flight Test Mission (FTM) -15 demonstrated "launch on remote" with BMD 3.6.1 engage supported by the THAAD radar, proving EPAA Phase 1 architecture and system capability against intermediate range ballistic missiles for the first time. This consummated the longest range engagement of any U.S. ballistic missile defense system element to date.



Best Option for Cost, Risk and Schedule Requirements

Aegis was selected as the lowest risk, lowest cost and earliest deployable option for European BMD. A Missile Defense Agency (MDA) analysis of alternatives identified the operationally proven Aegis BMD System as the best option for land basing the SM-3 interceptor as it met the desired fielding schedule and reduced development risk.

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PIRA #MOR201108008_RevA