



Terminal High Altitude Area Defense

The Terminal High Altitude Area Defense (THAAD) element provides the Missile Defense System (MDS) with a globally-transportable, rapidly-deployable capability to intercept and destroy ballistic missiles inside or outside the atmosphere during their final, or terminal, phase of flight.

Overview

- Land-based element capable of shooting down a ballistic missile both inside and outside the atmosphere
- Highly effective against ballistic missile threats
- Uses hit-to-kill technology whereby kinetic energy destroys the incoming warhead
- The high-altitude intercept mitigates effects of enemy weapons of mass destruction



Characteristics

- Rapidly-deployable and globally-transportable via air, land and sea
- A THAAD Battery consists of four main components:
 - Launcher:** Highly Mobile; Interceptors can be fired and rapidly reloaded; capable of up to 9 launchers per Battery
 - Interceptors:** Up to Eight per launcher
 - Radar:** Army Navy/Transportable Radar Surveillance (AN/TPY-2) – Largest air-transportable X-band radar in the world; searches, tracks, and discriminates objects and provides data to the interceptor
 - Fire Control:** Communications and data-management backbone; links THAAD components together; links THAAD to external Command and Control nodes and to the entire MDS; plans and executes intercept solutions

Development

- Major events in the THAAD Program:
 - THAAD System Software Build TH.3.2.0 was incorporated into the MDS Operational Capacity Baseline in DEC19 and includes initial Remote Launcher Capability
 - Flight Test THAAD (FTT)-23 was successfully executed on 29AUG19. The test demonstrated System Software Build TH.3.2.0 Remote Launcher capability
 - FTT-23 was the 16th successful intercept flight test in 16 attempts since program initiation
 - Reestablished the Missile Round Pallet-Transportable (MRP-T) production line
- Continuing element development to improve missile defense capability against current and future threats
- Comprehensive program of ground and flight tests, quality assurance, and design and development activities support mission success
- State-of-the-art engineering ensures high standards and efficient production and maintenance

Fielding

- Seven THAAD Batteries have been procured and are currently fielded to the US Army to support the ballistic missile defense of the United States, its deployed forces, allies, and friends.
- MDA delivered 471 operational Interceptors to the US Army as of 31DEC19 and continues to deliver interceptors to support the fielded USG batteries and our Foreign Military Customers

Foreign Military Sales

- Two THAAD Batteries procured by and delivered to the United Arab Emirates (UAE) and are fully operational
- Kingdom of Saudi Arabia has signed multiple FMS Cases for delivery of seven THAAD Batteries and supporting equipment