

# Medium Extended Air Defense System (MEADS)

INVESTMENT COMPONENT

- Modernization
- Recapitalization
- Maintenance

MISSION

Defends maneuver forces and critical assets against the theater ballistic missile, cruise missile, and air-breathing threats in contingency and mature theaters.

DESCRIPTION

The Medium Extended Air Defense System (MEADS) provides a robust, 360-degree defense using the PATRIOT Advanced Capability-Three(PAC-3) hit-to-kill missile segment enhancement (MSE) against the full spectrum of theater ballistic missiles, anti-radiation missiles, cruise missiles, unmanned aerial vehicles, tactical air-to-surface missiles, and rotary- and fixed-wing threats. MEADS will also provide defense against multiple and simultaneous attacks by short-range ballistic missiles, cruise missiles, and other air-breathing threats. MEADS can be immediately deployed by air for

early entry operations. MEADS also has the mobility to displace rapidly and protect maneuver force assets during offensive operations. Netted, distributed, open architecture, and modular components are utilized in the MEADS to increase survivability and flexibility of use in a number of operational configurations. The PAC-3 MSE improves upon the current missile configuration ranges/altitudes and improves performance against evolving threats.

The MEADS weapon system will use its netted and distributed architecture to ensure Joint and allied interoperability, and to enable a seamless interface to the next generation of battle management command, control, communications, computers, and intelligence (BMC4I). The system's improved sensor components and its ability to link other airborne and ground-based sensors facilitate the employment of its battle elements.

The MEADS weapon system's objective battle management tactical operations center (TOC) will provide

the basis for the future common air and missile defense (AMD) TOC, leveraging modular battle elements and a distributed and open architecture to facilitate continuous exchange of information to support a more effective AMD system-of-systems.

SYSTEM INTERDEPENDENCIES

None

PROGRAM STATUS

- **1QFY12:** Successful MEADS System Launcher Missile Characterization Test
- **1QFY12:** Multifunction Fire Control Radar (MFCR) delivered for integration/testing at Pratica di Mare, Italy
- **2QFY12:** Low Frequency Sensor Outdoor Demonstration

PROJECTED ACTIVITIES

- **Current:** Remaining activities to implement a "Demonstration of Capabilities" through 2013 with the remaining Memorandum of Understanding funds to provide a meaningful capability for Germany and Italy and a possible future option for the U.S.
- **Current:** A new and detailed program/schedule for design and development was developed by NATO Medium, Extended Air Defense System Management Agency for the Board of Directors review and National Armament Director approval, and the associated contract amendment was signed in October 2011
- **4QFY12:** MFCR#1 delivery for integration/testing
- **1QFY13:** Flight Test-1 (FT-1, Air-Breathing Threat Intercept)
- **4QFY13:** Sensor Characterization Test
- **4QFY13:** Flight Test-2 (FT-2, Tactical Ballistic Missile Intercept)
- **2QFY14:** Development Program Completion

ACQUISITION PHASE

- Technology Development
- Engineering & Manufacturing Development
- Production & Deployment
- Operations & Support

## Medium Extended Air Defense System (MEADS)

### FOREIGN MILITARY SALES

None

### CONTRACTORS

#### D&D Contract:

MEADS, Intl. (Syracuse, NY; Orlando, FL; Huntsville, AL)

Lockheed Martin (Grand Prairie, TX)

#### PM/SYS:

Government (Statewide, AL)

#### MSE:

Lockheed Martin (Grand Prairie, TX)

#### Security/Exciter:

Lockheed Martin (Syracuse, NY)

#### SETA:

Intuitive Research and Technology  
(Huntsville, AL)

