

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 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, low-radar cross-section 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 maneuvering 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

In this Publication

Integrated Air and Missile Defense (IAMD), Joint Land Attack Cruise Missile Defense Elevated Netted Sensor System (JLENS), Joint Tactical Ground Stations (JTAGS), PATRIOT Advanced Capability-Three (PAC-3), Surface Launched Advanced Medium Range Air-To-Air Missile (SLAMRAAM), Warfighter Information Network-Tactical (WIN-T) Increment 1, WIN-T Increment 2, WIN-T Increment 3

Other Major Interdependencies

AEGIS, AWACS, DSP, E-2C, IAMD, MSE, PEO Integration, RIVET-JOINT, THAAD MDA-Sea Based Terminal, BMDS, C-130J, C-17, CH-47F, JTRS (WNW), Link 16

PROGRAM STATUS

- **4QFY08–4QFY10:** Incremental critical design review phase

PROJECTED ACTIVITIES

- **FY11:** System program review
- **3QFY11:** Prototype Multifunction Fire Control Radar delivery to testing
- **1QFY12:** First MSE launch

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 (Grand Prairie, TX)

SETA:

Intuitive Research and Technology (Huntsville, AL)

