

Integrated Air and Missile Defense (IAMD)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

To provide the full combat potential of an Integrated Air and Missile Defense capability through a network-centric “plug and fight” architecture at the component level (e.g. launchers and sensors) and a common command and control system.

DESCRIPTION

Army Integrated Air and Missile Defense (IAMD) will enable the integration of modular components (current and future Air and Missile Defense [AMD] sensors, weapons, and command and control [C2]) with a common C2 capability in a networked and distributed “plug and fight” architecture. This common C2, called the IAMD Battle Command System (IBCS), will provide standard configurations and capabilities at each echelon. This allows joint, interagency, intergovernmental, and multinational (JIIM) AMD forces to organize based on mission, enemy, terrain and weather, troops and support available, time available, and civil considerations (METT-TC). Shelters and vehicles may be added to enable

broader missions and a wider span of control executed at higher echelons. A network-enabled “plug and fight” architecture and common C2 system will enable dynamic defense design and task force reorganization, and provide the capability for interdependent, network-centric operations that link joint IAMD protection to the supported force scheme of operations and maneuver. This Army IAMD system of systems will enable extended range and non-line-of-sight engagements across the full spectrum of aerial threats, providing fire control quality data to the most appropriate weapon to successfully complete the mission. Furthermore, it will mitigate the coverage gaps and the single points of failure that have plagued AMD defense design in the past.

SYSTEM INTERDEPENDENCIES

Patriot, SLAMRAAM, Improved Sentinel, JLENS, THAAD, ABCS, E-IBCT, BMDS, JTAGS, MEADS, AEGIS, E-10, AWACS, CAC2S, BCS, E-2C, and DD(X)

PROGRAM STATUS

- **4QFY07:** Approval of two-contractor competition strategy
- **1QFY08:** Approval of acquisition strategy
- **2QFY08:** Request for proposal released
- **4QFY08:** IAMD Battle Command System Contract Award

PROJECTED ACTIVITIES

- **4QFY09:** IAMD Increment 2 Preliminary Design Review
- **4QFY09:** Milestone B approval to enter Engineering and Manufacturing Development (EMD)
- **3QFY11:** IAMD Increment 2 critical design review (CDR)

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

Production & Deployment

Operations & Support

Integrated Air and Missile Defense (IAMD)

FOREIGN MILITARY SALES

None

CONTRACTORS

Concept and Technology Development Phase Competing Contractors:
 Northrop Grumman (Huntsville, AL)
 Raytheon (Huntsville, AL; Andover, MA)
System Engineering Technical Analysis (SETA) support:
 Dynetics, Millennium, Davidson (DMD)
 (Huntsville, AL)

