

Integrated Air and Missile Defense (IAMD)

INVESTMENT COMPONENT

Modernization

Recapitalization

Maintenance

MISSION

Provides 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 (C2) system.

DESCRIPTION

Army Integrated Air and Missile Defense (IAMD) will enable the integration of modular components (current and future AMD sensors, weapons, and 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 as well as reduce manpower, enhance training, and reduce operation and support costs.

SYSTEM INTERDEPENDENCIES

In this Publication

Early Infantry Brigade Combat Team (E-IBCT), Joint Land Attack Cruise Missile Defense Elevated Netted Sensor System (JLENS), Joint Tactical Ground Stations (JTAGS), Surface Launched Advanced Medium Range Air-to-Air Missile (SLAMRAAM)

Other Major Interdependencies

ABCS, AEGIS, AWACS, BCS, BMDS, CAC2S, C2BMC Planner, DD(X), E-2C, Improved Sentinel, MEADS, Patriot, THAAD

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
- **1QFY10:** Milestone B approval to enter engineering and manufacturing development
- **1QFY10:** Down-select to single IBCS development prime contractor

- **2QFY10:** Award of A-Kit design and development contract

PROJECTED ACTIVITIES

- **4QFY11:** IAMD Increment 2 critical design review
- **1QFY12:** Defense Acquisition Board in process review
- **1QFY15:** Milestone C

ACQUISITION PHASE

Technology Development

Engineering & Manufacturing Development

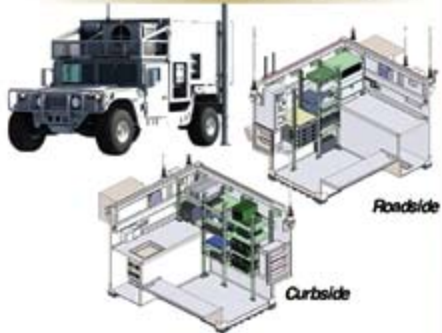
Production & Deployment

Operations & Support

Integrated Air and Missile Defense (IAMD)

Common Products

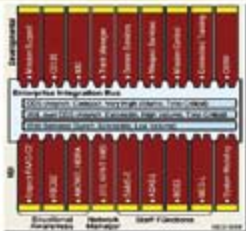
Common CP Configuration



Common P&F Capability

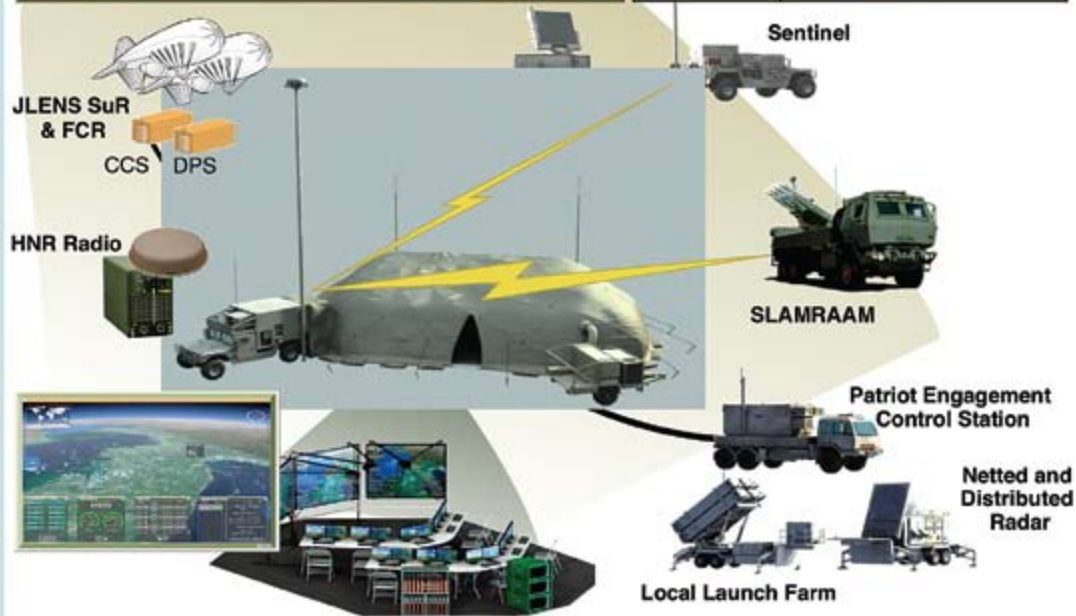


Common Software



Common C2

Air & Missile Defense Reference Battalion	
Battalion CP	1
Battery CP	5 (4 Patriot, 1 SLAMRAAM)
Platoon CP	5 (3 SLAMRAAM, 2 JLENS)
P&F Kits	23 (4 Patriot, 12 SLAMRAAM, 7 Sentinel)



FOREIGN MILITARY SALES

None

CONTRACTORS

IBCS Development:

Northrop Grumman (Huntsville, AL)

A-Kit Design and Development:

Raytheon (Andover, MA; Tewksbury, MA)

SETA Support:

DMD (Huntsville, AL)

