

INTEGRATED AIR AND MISSILE DEFENSE

The U.S. Army AMD Concept and Operational and Organizational (O&O) Plan for the Future Force calls for a transformation to a network-centric Integrated Air and Missile Defense (IAMMD) capability that integrates all AMD sensors, weapons and Mission Command. This future architecture will enable the distributed support of engagements with available sensor assets not limited to system-centric organic sensors. The Army Integrated Air and Missile Defense (AIAMD) Program acquisition approach significantly impacts the PEO MS strategy for materiel development and systems acquisition. Each of the PEO MS Project Offices are working together to implement the AIAMD Acquisition Strategy that will guide our efforts in delivering the required capabilities.

Mission

The mission of the PEO MS IAMMD Project Office is to define, develop, acquire, field and sustain the Army's portion of the Joint Integrated Air and Missile Defense (IAMMD) system of systems capability to be deployed as integrated components in Army, Joint, Interagency, Intergovernmental and Multi-national (JIIM) Net-centric architectures. Additionally, the IAMMD Project Office will develop, acquire, field and sustain the IAMMD Battle Command System (IBCS) component of the architecture and integrate externally developed sensors and shooters to provide an effective IAMMD capability.



For more information,
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INTEGRATED AIR AND MISSILE DEFENSE

Employs Network-Centric, Common Battle Management, Command, Control and Communications Versus Current Force System-Centric Approach

Extends Battlespace and Provides Improved AMD Gap Coverage

Adopts Modular, Open Software, Architecture to Enable Future Force SIAP

Fully Integrated Air and Missile Defenses: Combined, Joint, Interagency, Intergovernmental, Multi-national Forces

System Description

Unlike traditional acquisition programs that focus primarily on the development of a single system or platform. The Army Integrated Air and Missile Defense (AIAMD) Program is uniquely structured to enable the development of an overarching system of systems capability

with all participating Air Defense Artillery (ADA) components functioning interdependently to provide total operational capabilities not achievable by the individual element systems. The AIAMD Program achieves this objective by establishing the AIAMD architecture and



developing the IBCS Engagement Operations Center (EOC) that provides a common Mission Command (MC) capability; (2) the Integrated Fire Control Network (IFCN) capability for fire control connectivity and enabling distributed operations and (3) the common Plug and Fight (P&F) Kits that will network enable multiple sensor components, weapon components, and the IBCS. The IBCS-equipped AMD Battalion Task Force will be capable of including PATRIOT radars and launchers, Improved

Sentinel radars, and support from JLENS components that are all connected via an IFC Network. Additional capabilities include the incorporation of IBCS functionality into Air Defense Airspace Management (ADAM) Cells, ADA Brigade Headquarters and Army Air and Missile Defense Command (AAMDC) Headquarters. Future additional capabilities include incorporation of Terminal High Altitude Area Defense (THAAD) batteries and composite Indirect Fire Protection Capability (IFPC) / Avenger battalions into the AIAMD architecture.