

**THE JOINT STAFF**  
**Research, Development, Test and Evaluation (RDT&E), Defense-Wide**  
**Fiscal Year (FY) 2010 Budget Estimates**

<b>Exhibit R-2, RDT&amp;E Budget Item Justification</b>		<b>May 2009</b>
Appropriation/Budget Activity: RDT&E, Defense-Wide, Joint Staff 0400/BA 6	R-1 Line Item Nomenclature: 135 0605126J Joint Integrated Air & Missile Defense Organization	

Cost(\$ IN Millions)	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
<b>Total PE Cost</b>	53.653	55.282	96.909					
Joint Integrated Air & Missile Defense Org	53.653	55.282	96.909					

**A. Mission Description and Budget Item Justification:**

The Joint Integrated Air and Missile Defense Organization (JIAMDO), formerly Joint Theater Air and Missile Defense Organization, is the organization within the Department of Defense (DOD) chartered to plan, coordinate, and oversee Joint Air and Missile Defense (AMD) requirements, joint operational concepts, and operational architectures. As part of the CJCS staff, JIAMDO supports the Chairman in meeting his Title 10 responsibilities as they relate to air and missile defense issues. JIAMDO serves as the operational community's proponent for characteristics, requirements, and capabilities in air and missile defense, and is the joint air and missile defense resource proponent within the DOD's resource allocation structures. JIAMDO also leads AMD mission area and utility analyses, integrates air and missile defense within the Force Protection joint capability area, and conducts evaluations and demonstrations of joint air and missile defense architectures and concepts.

JIAMDO has established a close partnership with Combatant Commanders (COCOM) and maintains liaison offices at all major COCOM locations to facilitate coordination of integration issues and requirements. In particular, JIAMDO maintains close coordination with US Strategic Command (USSTRATCOM) in support of ballistic missile defense of the U.S. It provides the Chairman, JCS and the Joint Requirements Oversight Council (JROC) the ability to meet statutory responsibilities to review the cost, schedule and performance criteria of Missile Defense Agency (MDA) missile defense programs, and assesses the validity of those criteria in relation

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to national and military requirements. At the request of USSTRATCOM, and at the direction of the CJCS, JIAMDO supports USSTRATCOM in the conduct of Military Utility Assessments and analysis of the Ballistic Missile Defense System (BMDS). JIAMDO supports the USSTRATCOM mission by ensuring operational and technical requirements are integrated into the theater missile warning architecture. JIAMDO represents the Joint Staff in work on the AMD Capabilities Based Assessment Joint Service Team. JIAMDO also provides direct support to US Northern Command (USNORTHCOM) for homeland air surveillance issues and to US Joint Forces Command (USJFCOM) for capabilities development and validation in support of its Unified Command Plan (UCP) assigned missions.

<u><b>FY 2008</b></u>	<u><b>FY 2009</b></u>	<u><b>FY 2010</b></u>	<u><b>Description</b></u>
23.007	23.943	24.856	<b>JIAMDO Core.</b> Provides overall staff support for JIAMDO operations in the area of ballistic missile defense, air and cruise missile defense and homeland defense. This includes performing analyses, demonstrations, and programmatic assessments of technology, operations, requirements, and weapons systems. In coordination with Services and COCOMs, JIAMDO Core also leads the definition, assessment, development and approval of Joint AMD Operational Concepts, Operational Architectures, and capability requirements to guide the Department's joint/interagency/combined fully integrated and net-centric capable air defense (including defense against cruise missiles, unmanned aerial vehicles, and ballistic missiles). JIAMDO Core also: <ul style="list-style-type: none"> <li>• Develops and integrates joint exercises, simulations, war-games,</li> </ul>

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**FY 2008   FY 2009   FY 2010   Description**

- force resource allocations, and interoperability initiatives;
- Manages relevant Congressional interaction and COCOM interface through a cadre of liaisons collocated with major headquarters;
- Directly supports and sponsors homeland air surveillance related demonstration and analysis activities;
- Runs the AMD Working Group focusing COCOM, Joint Staff and Service collaboration efforts in the generation of joint concepts and development of the integrated AMD architecture and roadmap
- Develops U.S. positions for, and serves as the U.S. representative to, the NATO Air Defense Committee.

JIAMDO Core also enables strategic planning development, infrastructure, security, travel, administrative and other support activities. Funding pays for: Contractor Systems Engineering and Technical Assistance (SETA) support for Air & Cruise Missile Defense (ACMD), Ballistic Missile Defense (BMD), Homeland Air Security (HAS) strategic planning, senior level briefings, and JIAMDO white papers; leased office space, including all upkeep services; all travel costs for government and contractor support personnel, including support for Combatant Commander liaison personnel travel; multiple levels of security including lease support for a Joint Worldwide Intelligence

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**FY 2008   FY 2009   FY 2010   Description**

Communications System (JWICS) communications line and Special Compartmented Information (SCI) terminals (due to the classified nature and the diverse content of work in the JIAMDOD portfolio); 24-hour physical security force and alarm monitoring and maintenance; daily on-site security personnel to meet DOD, National Industrial Security Program Operating Manual (NISPOM), and other security regulations; for all administrative and support functions; all associated Information Technology (IT) support, copier purchase and maintenance, as well as basic office supplies and furniture; all telephones, telephone lines, classified telephones, and classified/unclassified data connections.

0.000   0.000   21.000   **Information System Security.** Details of this project are classified.

0.000   0.000   15.300   **Virtual Warfare Center.** Develops upgrades to current fighter simulations and incorporates USMC air defense systems into current platform.

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<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>Description</u>
0.000	0.000	4.000	<b>JIAMDO Black Dart.</b> Provides funding to support administration and execution of Black Dart demonstrations. Black Dart is a joint agency demonstration which focuses on rapid development and implementation of UAV technology from readily-available commercial products.
8.280	8.565	8.439	<b>Joint Distributed Engineering Plant</b> evaluates and improves interoperability by establishing and using a distributed, nationwide, hardware and software in-the-loop simulation capability that allows proposed combat capabilities and field combat weapon systems to operate in operationally representative, synthetic joint air and missile defense environments.
6.263	6.377	6.528	<b>JIAMDO Nimble Fire</b> enhances air and missile defense capability through the integration of robust representations of current and emerging weapons platform models that support operator-in-the-loop (OITL) exercises.
16.103	16.397	16.786	<b>Cruise Missile Combat Identification (CID).</b> Develops joint cruise missile CID technology and positions it for fielding on front-line weapon systems. Monitors, assesses and enhances joint AMD Combat ID programs.

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**B. Program Change Summary:**

	<u><b>FY 2008</b></u>	<u><b>FY 2009</b></u>	<u><b>FY 2010</b></u>
FY 2009 President's Budget	53.653	55.282	57.039
Total Adjustments	0.000	0.000	39.870
FY 2010 Budget Estimate	53.653	55.282	96.909

**C. Other Program Funding Summary:**

No other funding

**D. Acquisition Strategy:**

Not required for Budget Activities 1, 2, 3 and 6.