

THE JOINT STAFF
Fiscal Year (FY) 2007 President's Budget
Research, Development, Test and Evaluation (RDT&E), Defense-Wide

R-2, RDT&E Budget Item Justification

Exhibit R-2, RDT&E Budget Item Justification						Date: February 2006			
APPROPRIATION/BUDGET ACTIVITY			R-1 Line Item Nomenclature: 127						
RDT&E, Defense-Wide, Joint Staff 0400/BA 6			0605126J Joint Theater Air & Missile Defense Organization (JTAMDO)						
Cost(\$ in Millions)			FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total PE Cost			84.411	76.263	52.486	53.653	54.763	56.160	57.585
Joint Theater Air & Missile Defense Org (JTAMDO)			84.411	76.263	52.486	53.653	54.763	56.160	57.585

A. Mission Description and Budget Item Justification:

The Joint Theater Air and Missile Defense Organization (JTAMDO) 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, operational architectures, and development of the Joint Integrated Air and Missile Defense (IAMDM) roadmap. As part of the CJCS staff, JTAMDO supports the Chairman in meeting his Title 10 responsibilities as they relate to air and missile defense issues. JTAMDO 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. JTAMDO 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.

JTAMDO has established a close partnership with Combatant Commanders (COCOM) and maintains liaison offices at all major COCOM locations to facilitate coordination of IAMDM issues and requirements. In particular, JTAMDO maintains close coordination with USSTRATCOM in support of the President's initiative for 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 to national and military requirements. At the request of USSTRATCOM, and at the direction of the Chairman, JCS, JTAMDO supports USSTRATCOM in the conduct of Military Utility Assessments and analysis of the Ballistic Missile Defense System (BMDS). JTAMDO supports the USSTRATCOM mission by ensuring operational and technical requirements are integrated into the theater missile warning architecture. JTAMDO represents the Joint Staff in work on the IAMDM Capabilities Based Assessment Joint Service Team. JTAMDO also provides direct support to USNORTHCOM for homeland air surveillance issues and to USJFCOM for capabilities development and validation in support of its Unified Command Plan (UCP) assigned missions.

Funding was realigned from JTAMDO to FCBs, which was part of the Management Headquarters. In addition to this a new program element (Joint Staff Analytical Support) was created and several programs to include the FCBs were realigned from Management Headquarters to this new PE to properly capture the analytical support on the Joint Staff.

<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>Description</u>
21.570	21.508	22.590	JTAMDO Core. Provides overall staff support for JTAMDO operations in the

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<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>Description</u>	
			<p>area of ballistic missile defense, air and cruise missile defense and homeland defense. Includes performing analyses, demonstrations, and programmatic assessments of technology, operations, requirements and weapon systems. In coordination with Services and COCOMs, 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). Supports, develops and integrates joint exercises, simulations, wargames, force resource allocations, interoperability initiatives; manages congressional interaction, and executes COCOM interface through a cadre of liaison representatives collocated with major headquarters. Directly supports and sponsors homeland air surveillance related demonstration and analysis activities. Chairs, coordinates, and supports the AMD Working Group focusing COCOM, Joint Staff and Service collaboration efforts in the generation of joint concepts and development of the IAMD architecture and roadmap. Develops U.S. positions for, and serves as the U.S. representative to the NATO Air Defense Committee.</p> <p>Provides Sstrategic 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 JTAMDO white papers; leased office space, including all upkeep services; all travel costs for government and contractor support personnel, including support for COCOMombatant Commander liaison personnel travel; multiple levels of security including lease support ofor a Joint Worldwide Intelligence Communications System (JWICS) communications line and Special Compartmented Information (SCI) terminals (due to the</p>	

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<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>Description</u>	
			classified nature and the diverse content of work in the JTAMDO portfolio); 24- hour physical security force and alarm monitoring and maintenance; daily on- site security personnel to meet DOD, National Industrial Security Pro- gram 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.	
7.460	5.670	7.929	Joint Distributed Engineering Plant. 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 fielded combat weapon systems to operate in operationally representative, a synthetic joint air and missile defense environments. Ensures weapon systems can validate their joint interoperability prior to operational deployment or fielding. Minimizes the impact on operational forces support for RDT&E activities.	
7.073	6.098	6.151	NIMBLE FIRE (previously carried under the title of Virtual Warfare Center). Enhances air and missile capability through the integration of robust representations of current and emerging weapons platform models that support operator-in-the-loop (OITL) exercises. NIMBLE FIRE is DOD's only OITL means to quantify Joint Single Integrated Air Picture, Combat ID, and Integrated Fire Control characteristics and capabilities to support concept analysis and operational refinement at the force-on-force level. It also integrates a combined cruise and ballistic missile requirements and operations concept analysis through federation with simulation capabilities at the Joint National Integration Center (JNIC) at Schriever AFB, Colorado.	
15.308	15.487	12.816	Cruise Missile Combat Identification. Develops joint cruise missile CID technology and positions it for fielding on front-line weapon systems.	

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<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>Description</u>
			Monitors, assesses and enhances joint AMD Combat ID programs.
33.000	27.500	3.000	Homeland Air Security (HAS). Reduces HAS risk by developing and demonstrating surface-based, advanced technology surveillance radar concepts for potential use throughout the U.S. Performs analyses, and programmatic assessments of HAS operations and supports the transition of advanced technologies into new or emerging weapon systems.

B. Program Change Summary:

	<u>FY 2005</u>	<u>FY 2006</u>	<u>FY 2007</u>
FY 2006 President's Budget	84.411	77.567	52.486
Total Adjustments	0.000	-1.304	0.000
FFRDC	0.000	-0.141	0.000
Economic Assumptions (P.L. 109-148	0.000	-0.353	0.000
FY 2006 Appn Act			
1% Rescission (P.L. 109-148 FY 2006	0.000	-0.810	0.000
Appn Act)			
FY 2007 President's Budget	84.411	76.263	52.486

C. Other Program Funding Summary:

No other funding.

D. Acquisition Strategy:

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