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**Department of Defense
Fiscal Year (FY) 2011 President's Budget**

February 2010



The Joint Staff

Justification Book

Research, Development, Test & Evaluation, Defense-Wide - 0400

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The Joint Staff • President's Budget FY 2011 • RDT&E Program

Table of Contents

Comptroller Exhibit R-1..... iii
Exhibit R-2's..... 1

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The Joint Staff
 FY 2011 President's Budget
 Exhibit R-1 FY 2011 Base and Overseas Contingency Operations (OCO) Request
 (Dollars in Thousands)

Appropriation: 0400D Research, Development, Test & Eval, DW

Date: 20 Jan 2010

Line No	Program Element Number	Item	Act	FY 2009 (Base & OCO)	FY 2010 Base & OCO Enacted	FY 2010 Supplemental Request	FY 2010 Total	FY 2011 Base	FY 2011 OCO	FY 2011 Total Request	Sec
141	0605126J	Joint Integrated Air and Missile Defense Organization (JIAMDO)	06	55,282	96,505		96,505	94,577		94,577	U
165	0204571J	Joint Staff Analytical Support	06		1,654		1,654	23,081		23,081	U
		RDT&E Management Support		55,282	98,159		98,159	117,658		117,658	
184	0204571J	Joint Staff Analytical Support	07	7,618							U
185	0208043J	Classified Programs	07	1,723	2,170		2,170	2,288		2,288	U
205	0303149J	C4I for the Warrior	07	3,652	4,081		4,081	2,261		2,261	U
247	0902298J	Management Headquarters (JCS)	07	3,392	7,535		7,535	2,807		2,807	U
		Operational Systems Development		16,385	13,786		13,786	7,356		7,356	
Total The Joint Staff				71,667	111,945		111,945	125,014		125,014	



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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	45.106	96.505	94.577	0.000	94.577	97.804	84.041	76.993	77.011	Continuing	Continuing
P001: <i>Core</i>	19.016	5.994	26.183	0.000	26.183	26.975	28.234	28.281	27.884	Continuing	Continuing
P002: <i>Homeland</i>	0.000	0.000	19.000	0.000	19.000	25.000	8.000	0.000	0.000	73.000	73.000
P003: <i>Intra-Agency Homeland Air Security</i>	0.000	61.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
P004: <i>Black Dart</i>	0.000	0.000	4.500	0.000	4.500	5.000	5.500	6.000	6.500	Continuing	Continuing
P005: <i>Joint Distributed Engineering Plant</i>	5.628	11.897	8.735	0.000	8.735	8.927	9.124	9.287	9.474	Continuing	Continuing
P006: <i>Nimble Fire</i>	6.215	0.528	18.477	0.000	18.477	13.685	14.115	14.327	14.323	Continuing	Continuing
P007: <i>Cruise Missile Combat Identification (CID)</i>	14.247	16.786	17.682	0.000	17.682	18.217	19.068	19.098	18.830	Continuing	Continuing

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 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

UNCLASSIFIED

R-1 Line Item #141

Page 1 of 18

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i>	PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>
BA 6: <i>RDT&E Management Support</i>	

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.

B. Program Change Summary (\$ in Millions)

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	55.282	96.505	0.000	0.000	0.000
Current President's Budget	45.106	96.505	94.577	0.000	94.577
Total Adjustments	-10.176	0.000	94.577	0.000	94.577
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Functional Realignment	-10.176	0.000	94.577	0.000	94.577

Change Summary Explanation

FY 2009 Program change was due to a functional realignment of funds within the JIAMDO program to adequately resource the Special Access Programs (SAP) to meet statutory requirements more efficiently.

The DoD did not estimate FY2011 cost when the FY2010 President's Budget was prepared.

UNCLASSIFIED

R-1 Line Item #141

Page 2 of 18

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>	PROJECT P001: <i>Core</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
P001: <i>Core</i>	19.016	5.994	26.183	0.000	26.183	26.975	28.234	28.281	27.884	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

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B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Core	19.016	5.994	26.183	0.000	26.183

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>		R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>		PROJECT P001: <i>Core</i>				
B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<p>to the classified nature and the diverse content of work in the JIAMDO 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.</p> <p><i>FY 2009 Accomplishments:</i> Supported Joint Land Attack Cruise Missile Defense Elevated Netted Sensor (JLENS) requirements study; BMDS Countermeasures Implication Analysis Phase I; Integrated Air and Missile Defense (IAMD) Force Structure Analysis; IAMD Architecture Spiral 3; IAMD Capability Gap Analysis; USFK Radar Analysis; US representative at NATO Air Defense Council and Panel on Air Defense and IAMD forums and the Combatant Commander Liaison Program</p> <p><i>FY 2010 Plans:</i> Access IAMD Family of Systems (FoS) Capability Assessment – Advanced Threats; BMDS Countermeasures Implication Analysis Phase II; IAMD Architecture Spiral 4; IAMD Roadmap Version 4; Interceptor Sufficiency Analysis (against air breathing targets); IAMD Capability Description Document; Single Integrated Air Picture (SIAP) Capability Description Document; US representative at NATO Air Defense Council and Panel on Air Defense and IAMD forums and the Combatant Commander Liaison Program</p> <p><i>FY 2011 Base Plans:</i> Demonstrate Airborne Warning and Control System- Cooperative Engagement Capability (AWACS-CEC) Integration Demo; IAMD Family of Systems Capability Assessment – Advanced Threats (Modeling & Simulation); IAMD Capability Gap Analysis; US representative at NATO Air Defense Council and Panel on Air Defense and IAMD forums and the Combatant Commander Liaison Program</p>								

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>		R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>		PROJECT P001: <i>Core</i>				
B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Accomplishments/Planned Programs Subtotals				19.016	5.994	26.183	0.000	26.183
C. Other Program Funding Summary (\$ in Millions) N/A								
D. Acquisition Strategy Not required for Budget Activities 1, 2, 3 and 6.								
E. Performance Metrics - Ensure successful integrated air and missile defense operational and system architectures and system-of-systems engineering are complete and accepted for implementation by the JROC, OSD, and Services								

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>	PROJECT P002: <i>Homeland</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
<i>P002: Homeland</i>	0.000	0.000	19.000	0.000	19.000	25.000	8.000	0.000	0.000	73.000	73.000
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

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B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Homeland	0.000	0.000	19.000	0.000	19.000

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>		R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>		PROJECT P002: <i>Homeland</i>				
B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Details of this project are classified. <i>FY 2009 Accomplishments:</i> Details of this project are classified. <i>FY 2010 Plans:</i> Details of this project are classified. <i>FY 2011 Base Plans:</i> Details of this project are classified.								
Accomplishments/Planned Programs Subtotals				0.000	0.000	19.000	0.000	19.000
C. Other Program Funding Summary (\$ in Millions)								
N/A								
D. Acquisition Strategy								
Not required for Budget Activities 1, 2, 3 and 6.								
E. Performance Metrics								
Details of this project are classified.								

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE				PROJECT				
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>			PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>				P003: <i>Intra-Agency Homeland Air Security</i>				
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
P003: <i>Intra-Agency Homeland Air Security</i>	0.000	61.300	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

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B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Intra-Agency Homeland Air Security	0.000	61.300	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>		R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>		PROJECT P003: <i>Intra-Agency Homeland Air Security</i>				
B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Details of the program are classified. <i>FY 2009 Accomplishments:</i> Details of the program are classified. <i>FY 2010 Plans:</i> Details of the program are classified. <i>FY 2011 Base Plans:</i> Details of the program are classified.								
Accomplishments/Planned Programs Subtotals				0.000	61.300	0.000	0.000	0.000
C. Other Program Funding Summary (\$ in Millions)								
N/A								
D. Acquisition Strategy								
Not required for Budget Activities 1, 2, 3 and 6.								
E. Performance Metrics								
Details of the program are classified.								

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>	PROJECT P004: <i>Black Dart</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
<i>P004: Black Dart</i>	0.000	0.000	4.500	0.000	4.500	5.000	5.500	6.000	6.500	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

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B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
JIAMDO Black Dart	0.000	0.000	4.500	0.000	4.500

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff								DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>				R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>				PROJECT P005: <i>Joint Distributed Engineering Plant</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
P005: <i>Joint Distributed Engineering Plant</i>	5.628	11.897	8.735	0.000	8.735	8.927	9.124	9.287	9.474	Continuing	Continuing
Quantity of RDT&E Articles											

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B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Joint Distributed Engineering Plant (JDEP)	5.628	11.897	8.735	0.000	8.735

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B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<p>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.</p> <p><i>FY 2009 Accomplishments:</i> Supported Aegis Data Integration into Missile Warning; auto data release; defense of Israel interoperability (Juniper Cobra 2010 risk reduction) and Link 16 Track Data Correlation/Decorrelation.</p> <p><i>FY 2010 Plans:</i> Develop TPS59 Missile Warning Integration ; F/A 18 Advanced Integrated Fire Control; Joint Sensor Integration (regional/maritime).</p> <p><i>FY 2011 Base Plans:</i> FY11 events will be determined based on Service/COCOM priorities.</p>								
Accomplishments/Planned Programs Subtotals				5.628	11.897	8.735	0.000	8.735
C. Other Program Funding Summary (\$ in Millions)								
N/A								
D. Acquisition Strategy								
Not required for Budget Activities 1, 2, 3 and 6.								
E. Performance Metrics								
- Each JDEP event develop measures of effectiveness (MOE) & measures of performance (MOP) based on a eighteen month test planning and event process.								

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>	PROJECT P006: <i>Nimble Fire</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
P006: <i>Nimble Fire</i>	6.215	0.528	18.477	0.000	18.477	13.685	14.115	14.327	14.323	Continuing	Continuing
Quantity of RDT&E Articles											

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 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.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
JIAMDO Nimble Fire	6.215	0.528	18.477	0.000	18.477

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>		R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>		PROJECT P006: <i>Nimble Fire</i>				
B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<p>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.</p> <p><i>FY 2009 Accomplishments:</i> Funds provided for impacts of Electronic Attack in PACOM AOR; defense of the Homeland from Asymmetric Missile Attack and executing 3 operator in the loop events.</p> <p><i>FY 2010 Plans:</i> Funds will continue to support impacts of Electronic Attack in PACOM AOR; defense of the Homeland from Asymmetric Missile Attack and executing 3 operator in the loop events.</p> <p><i>FY 2011 Base Plans:</i> Support CENTCOM-based electronic attack scenarios; complete integration of F-35, JLENS, ABMA, Joint Track Manager Simulations, improved threat models and execute 3 operator in the loop events.</p>								
Accomplishments/Planned Programs Subtotals				6.215	0.528	18.477	0.000	18.477
C. Other Program Funding Summary (\$ in Millions)								
N/A								
D. Acquisition Strategy								
Not required for Budget Activities 1, 2, 3 and 6.								
E. Performance Metrics								
<ul style="list-style-type: none"> - Complete events within schedule and budget. Events provide useful data to improve AMD capability - Develop & substantiate advance employment concepts - Ensure adoption of advanced employment by services & COCOMs and their incorporation into system acquisition programs and warfighting 								

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>				R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>				PROJECT P007: <i>Cruise Missile Combat Identification (CID)</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
P007: <i>Cruise Missile Combat Identification (CID)</i>	14.247	16.786	17.682	0.000	17.682	18.217	19.068	19.098	18.830	Continuing	Continuing
Quantity of RDT&E Articles											

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 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.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Cruise Missile Combat Identification (CID)	14.247	16.786	17.682	0.000	17.682

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff				DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605126J: <i>Joint Integrated Air & Missile Defense Organization (JIAMDO)</i>	PROJECT P007: <i>Cruise Missile Combat Identification (CID)</i>				
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
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. <i>FY 2009 Accomplishments:</i> Details of this program are classified. <i>FY 2010 Plans:</i> Details of this program are classified. <i>FY 2011 Base Plans:</i> Details of this program are classified.						
Accomplishments/Planned Programs Subtotals		14.247	16.786	17.682	0.000	17.682
C. Other Program Funding Summary (\$ in Millions)						
N/A						
D. Acquisition Strategy						
Not required for Budget Activities 1, 2, 3 and 6.						
E. Performance Metrics						
Details of this program are classified.						

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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0204571J: <i>Joint Staff Analytical Support (JSAS)</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	7.618	1.654	23.081	0.000	23.081	0.598	0.616	0.634	0.653	Continuing	Continuing
P001: <i>Concept Development Red Teaming</i>	0.000	1.654	0.581	0.000	0.581	0.598	0.616	0.634	0.653	Continuing	Continuing
P002: <i>Joint Staff Analytical Support (JSAS)</i>	7.618	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.695
P003: <i>Global Force Management Data Initiative (GFM DI)</i>	0.000	0.000	22.500	0.000	22.500	0.000	0.000	0.000	0.000	Continuing	Continuing

Note
In FY 2010, a portion of Joint Staff Analytical Support (JSAS) funding realigned to Management Headquarters in support of Joint Staff-specific information technology, management, and collaboration initiatives under the Office of the Chief Information Officer (OCIO), Joint Staff Information Network (JSIN) project. The remaining funds were realigned to BA 6.

A. Mission Description and Budget Item Justification
The Joint Staff Analytical Support (JSAS) family of programs provides defense analytical support capabilities for the CJCS and COCOMs. JSAS encompasses the developmental tools and infrastructure required to conduct analyses and formulate the results to best assist the Chairman in fulfilling his statutory responsibilities. Key deliverables provided by JSAS include wide-ranging force structure assessments, course of action development for the Joint Force environment, analyses and studies to aid in decision-making, and other analysis efforts to implement timely, low-cost initiatives.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i>	PE 0204571J: <i>Joint Staff Analytical Support (JSAS)</i>
BA 6: <i>RDT&E Management Support</i>	

B. Program Change Summary (\$ in Millions)

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	7.695	1.654	0.000	0.000	0.000
Current President's Budget	7.618	1.654	23.081	0.000	23.081
Total Adjustments	-0.077	0.000	23.081	0.000	23.081
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Program Realignment	-0.077	0.000	0.581	0.000	0.581
• Global Force Management Data Initiative (GFM DI) Funding	0.000	0.000	22.500	0.000	22.500

Change Summary Explanation

FY2009 - FY2010 change: In FY 2010, a portion of Joint Staff Analytical Support (JSAS) funding realigned to Management Headquarters in support of Joint Staff-specific information technology, management, and collaboration initiatives under the Office of the Chief Information Officer (OCIO), Joint Staff Information Network (JSIN) project. The remaining funds were realigned to BA 6.

FY2011 increase: Funding was provided for the FY2011 Global Force Management Data Initiative Next Steps program.

The DoD did not estimate FY2011 cost when the FY2010 President's Budget was prepared.

UNCLASSIFIED

R-1 Line Item #165

Page 2 of 8

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff								DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>				R-1 ITEM NOMENCLATURE PE 0204571J: <i>Joint Staff Analytical Support (JSAS)</i>				PROJECT P001: <i>Concept Development Red Teaming</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
P001: <i>Concept Development Red Teaming</i>	0.000	1.654	0.581	0.000	0.581	0.598	0.616	0.634	0.653	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
<p>The Joint Staff Analytical Support (JSAS) family of programs provides defense analytical support capabilities for the CJCS and COCOMs. JSAS encompasses the developmental tools and infrastructure required to conduct analyses and formulate the results to best assist the Chairman in fulfilling his statutory responsibilities. Key deliverables provided by JSAS include wide-ranging force structure assessments, course of action development for the Joint Force environment, analyses and studies to aid in decision-making, and other analysis efforts to implement timely, low-cost initiatives.</p>											
B. Accomplishments/Planned Program (\$ in Millions)											
							FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Concept Development Red Teaming Funds discovery experimentation activities supporting Joint Operations Concept (JOpsC) Development Process, implementation, and system integration. Provides expert assessment of future conceptual approaches, alternate means to achieve future solutions and capabilities through Red Teaming. Supports development and competition of ideas that provide the fundamental underpinnings for force development and design critical to assessing risk to in DOD future capabilities. <i>FY 2009 Accomplishments:</i> None. Program funding began in FY2010. <i>FY 2010 Plans:</i> Subject matter experts provided assessments for eight Red Teaming concepts: <ul style="list-style-type: none"> • Foreign Internal Defense 							0.000	1.654	0.581	0.000	0.581

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>		R-1 ITEM NOMENCLATURE PE 0204571J: <i>Joint Staff Analytical Support (JSAS)</i>		PROJECT P001: <i>Concept Development Red Teaming</i>				
B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<ul style="list-style-type: none"> • Joint Supply Joint Integrating Concept • Joint Logistics White Paper • Irregular Warfare Joint Operating Concept • Maritime Domain Awareness Joint Integrating Concept • Homeland Defense and Civil Support Joint Operating Concept • Deterrence Joint Operating Concept • Cyber Joint Operating Concept <p><i>FY 2011 Base Plans:</i> Increase Red Team activities by four additional future concepts.</p>								
Accomplishments/Planned Programs Subtotals				0.000	1.654	0.581	0.000	0.581
C. Other Program Funding Summary (\$ in Millions)								
N/A								
D. Acquisition Strategy								
N/A								
E. Performance Metrics								
Increase support of the current Red Teaming concepts from eight to twelve in FY2011.								

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff									DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>				R-1 ITEM NOMENCLATURE PE 0204571J: <i>Joint Staff Analytical Support (JSAS)</i>				PROJECT P002: <i>Joint Staff Analytical Support (JSAS)</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
P002: <i>Joint Staff Analytical Support (JSAS)</i>	7.618	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	7.695
Quantity of RDT&E Articles											
Note In FY 2010, JSAS funding realigned to Management Headquarters in support of the Joint Staff-specific information technology, management, and collaboration initiatives under the Office of the Chief Information Officer (OCIO), Joint Staff Information Network (JSIN) project.											
A. Mission Description and Budget Item Justification Joint Staff Analytical Support (JSAS) funded the Joint Training System, Joint Logistics, Joint Collaborative Analysis (JCA) Support (formerly Joint Modeling & Simulation), Adaptive Planning and Analytic Agenda, and Functional Capabilities Boards (FCBs) .											
B. Accomplishments/Planned Program (\$ in Millions)											
							FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Joint Staff Analytical Support Joint Staff Analytical Support (JSAS) funds Joint Training System, Joint Logistics, Joint Collaborative Analysis (JCA) Support (formerly Joint Modeling & Simulation), Adaptive Planning and Analytic Agenda, and Functional Capabilities Boards (FCBs). <i>FY 2009 Accomplishments:</i> The FCBs assessed all aspects of Joint Warfighting related programs and initiatives. In FY 2009, the FCBs conducted detailed portfolio management, including program analysis, capability gap analysis, future capability prioritization, and knowledge discovery.							7.618	0.000	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff				DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0204571J: <i>Joint Staff Analytical Support (JSAS)</i>	PROJECT P002: <i>Joint Staff Analytical Support (JSAS)</i>				
B. Accomplishments/Planned Program (\$ in Millions)						
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<p><i>FY 2010 Plans:</i> None. Funding realigns to Management Headquarters in support of Joint Staff-specific information technology, management, and collaboration initiatives under the Office of the Chief Information Officer (OCIO) Joint Staff Information Network (JSIN) project.</p> <p><i>FY 2011 Base Plans:</i> None. Funding realigned to Management Headquarters in support of Joint Staff-specific information technology, management, and collaboration initiatives under the Office of the Chief Information Officer (OCIO) Joint Staff Information Network (JSIN) project.</p>						
Accomplishments/Planned Programs Subtotals		7.618	0.000	0.000	0.000	0.000
C. Other Program Funding Summary (\$ in Millions)						
N/A						
D. Acquisition Strategy						
N/A						
E. Performance Metrics						
N/A						

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0204571J: <i>Joint Staff Analytical Support (JSAS)</i>	PROJECT P003: <i>Global Force Management Data Initiative (GFM DI)</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
P003: <i>Global Force Management Data Initiative (GFM DI)</i>	0.000	0.000	22.500	0.000	22.500	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The Joint Staff Analytical Support (JSAS) family of programs provides defense analytical support capabilities for the CJCS and COCOMs. JSAS encompasses the developmental tools and infrastructure required to conduct analyses and formulate the results to best assist the Chairman in fulfilling his statutory responsibilities. Key deliverables provided by JSAS include wide-ranging force structure assessments, course of action development for the Joint Force environment, analyses and studies to aid in decision-making, and other analysis efforts to implement timely, low-cost initiatives.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Global Force Management Data Initiative (GFM DI) The GFM DI is the Department enterprise solution that enables comprehensive visibility, accessibility, and sharing of the entire DoD force information, which provides the Department with the capacity to integrate data across domains and systems. Provides the Department with improved decision-making ability by enabling solutions at the strategic, operational, and tactical level. <i>FY 2011 Base Plans:</i> xxx	0.000	0.000	22.500	0.000	22.500
Accomplishments/Planned Programs Subtotals	0.000	0.000	22.500	0.000	22.500

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 6: <i>RDT&E Management Support</i>	PE 0204571J: <i>Joint Staff Analytical Support (JSAS)</i>	P003: <i>Global Force Management Data Initiative (GFM DI)</i>

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

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UNCLASSIFIED

R-1 Line Item #165

Page 8 of 8

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE								
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i>			PE 0208043J: <i>Planning and Decision Aid System (PDAS)</i>								
BA 7: <i>Operational Systems Development</i>											
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	1.723	2.170	2.288	0.000	2.288	2.402	2.522	2.248	2.361	Continuing	Continuing
P001: <i>Planning and Decision Aid System OPS</i>	1.723	2.170	2.288	0.000	2.288	2.402	2.522	2.248	2.361	Continuing	Continuing

A. Mission Description and Budget Item Justification

Planning and Decision Aid System (PDAS) is a classified automated information system protected program under Secretary of Defense (SecDef). PDAS supports the planning and execution of Integrated Joint Special Technical Operations (IJSTO).

B. Program Change Summary (\$ in Millions)

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	1.749	2.170	0.000	0.000	0.000
Current President's Budget	1.723	2.170	2.288	0.000	2.288
Total Adjustments	-0.026	0.000	2.288	0.000	2.288
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Economic Adjustments	-0.026	0.000	2.288	0.000	2.288

Change Summary Explanation

The DoD did not estimate FY2011 cost when the FY2010 President's Budget was prepared.

C. Accomplishments/Planned Program (\$ in Millions)

UNCLASSIFIED

R-1 Line Item #185

Page 1 of 2

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0208043J: <i>Planning and Decision Aid System (PDAS)</i>
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C. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Planning and Decision Aid System (PDAS) Planning and Decision Aid System (PDAS) is a classified automated information system protected program under Secretary of Defense (SecDef). PDAS supports the planning and execution of Integrated Joint Special Technical Operations (IJSTO). <i>FY 2009 Accomplishments:</i> Details of this program are classified. <i>FY 2010 Plans:</i> Details of this program are classified. <i>FY 2011 Base Plans:</i> Details of this program are classified.	1.723	2.170	2.288	0.000	2.288
Accomplishments/Planned Programs Subtotals	1.723	2.170	2.288	0.000	2.288

D. Other Program Funding Summary (\$ in Millions)

N/A

E. Acquisition Strategy

Details of this program are classified.

F. Performance Metrics

Details of this program are classified.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>							
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	3.652	4.081	2.261	0.000	2.261	2.315	2.369	2.419	2.470	Continuing	Continuing
P001: <i>Communication Requirements Development Support</i>	0.331	0.866	0.886	0.000	0.886	0.887	0.896	0.905	0.959	Continuing	Continuing
P002: <i>Coalition Warrior Interoperability Demo</i>	1.352	1.672	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
P003: <i>Communications Operations Analysis and Integration</i>	1.969	1.543	1.375	0.000	1.375	1.428	1.473	1.514	1.511	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW) vision evolved into the Department's Global Information Grid (GIG) as a means to achieve Information Superiority. The GIG is the globally interconnected, end-to-end set of information capabilities, associated processes, and personnel for collecting, processing, storing, disseminating and managing information on-demand to warfighters, policy makers, and support personnel. The GIG includes all owned and leased communications and computing systems and services, software (including applications), data, security services, and other associated services necessary to achieve Information Superiority. It also includes National Security Systems as defined in section 5142 of the Clinger-Cohen Act of 1996. The GIG supports all DOD, National Security, and related Intelligence Community missions and functions (strategic, operational, tactical and business), in war and in peace. The GIG also provides capabilities from all operating locations (bases, posts, camps, stations, facilities, mobile platforms, and deployed sites). Finally, the GIG provides interfaces to coalition, allied, and non-DOD users and systems.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 The Joint Staff	DATE: February 2010
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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>
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B. Program Change Summary (\$ in Millions)

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	3.901	4.081	0.000	0.000	0.000
Current President's Budget	3.652	4.081	2.261	0.000	2.261
Total Adjustments	-0.249	0.000	2.261	0.000	2.261
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Program Transfer	-0.249	0.000	2.261	0.000	2.261

Change Summary Explanation

In FY2011, Coalition Warrior Interoperability Demonstration (CWID) program transfers from the Joint Staff to Director of Defense Research and Engineering and Navy for USJFCOM consistent with program management responsibility.

The DoD did not estimate FY2011 cost when the FY2010 President's Budget was prepared.

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff								DATE: February 2010			
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>			R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>					PROJECT P001: <i>Communication Requirements Development Support</i>			
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
P001: <i>Communication Requirements Development Support</i>	0.331	0.866	0.886	0.000	0.886	0.887	0.896	0.905	0.959	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW) vision evolved into the Department's Global Information Grid (GIG) as a means to achieve Information Superiority. The GIG is the globally interconnected, end-to-end set of information capabilities, associated processes, and personnel for collecting, processing, storing, disseminating and managing information on-demand to warfighters, policy makers, and support personnel. The GIG includes all owned and leased communications and computing systems and services, software (including applications), data, security services, and other associated services necessary to achieve Information Superiority. It also includes National Security Systems as defined in section 5142 of the Clinger-Cohen Act of 1996. The GIG supports all DOD, National Security, and related Intelligence Community missions and functions (strategic, operational, tactical and business), in war and in peace. The GIG also provides capabilities from all operating locations (bases, posts, camps, stations, facilities, mobile platforms, and deployed sites). Finally, the GIG provides interfaces to coalition, allied, and non-DOD users and systems.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Communication Requirements Development Support Supports Joint Command, Control, Communications, and Computers (C4) analytical tool development; Global Information Grid (GIG) transformational activities; GIG network operations and related network management and configuration management efforts, cyberspace operations, and joint C4 network and program development. Institutionalizes knowledge management capabilities across the Joint Staff. Ensures synchronization of systems to network capabilities, validates the Net-Ready Key Performance Parameters, and certifies interoperability and supportability.	0.331	0.866	0.886	0.000	0.886

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff	DATE: February 2010
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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>	PROJECT P001: <i>Communication Requirements Development Support</i>
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B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<p><i>FY 2009 Accomplishments:</i> Developed the Joint Information Environment – Marianas Operational Architecture to identify and align information technology investments with mission requirements and approved joint capability areas. Researched and compiled a consolidated, comprehensive list of joint tasks to serve as a basis for planning, readiness reporting, joint training and joint military activities in cyberspace. Developed the GIG 2.0 Operational Reference Architecture identifying the operational outcomes and technical characteristics for a secure, single information environment across the DoD enterprise. Drafted the GIG 2.0 Capstone Capability Delivery Increment Plan, documenting the required activities and technical requirements to achieve the GIG 2.0 vision. Coordinated stakeholder meetings in support of CJCS IPv6 Certification Criteria and participated in the Joint User Interoperability Communications Exercise and DoD Interoperability Communications Exercise 2010 to research interoperability challenges. Provided Web 2.0 technology training to Joint Staff members across all directorate, the National Military Command Center, and Pakistan/Afghanistan Coordination Cell. Provided technical analysis and recommendations on US Strategic Command Operational Plans for NetOps and Computer Network Defense. Provided technical analysis and recommendations on US Cyber Command Implementation Plan. Participated in US Strategic Command and US Joint Forces Command hosted Cyber Defense Limited Objective Experiments for cyberspace operations research. Provided technical analysis and conducted Joint Staff Web 2.0 use study to support the development of DoD-wide social networking services policy. Reviewed over 100 technical program documentation exhibits to conduct Interoperability and Supportability/Net-Ready Key Performance Parameter Readiness assessments in accordance with CJCS Instruction 6212.01.</p> <p><i>FY 2010 Plans:</i> Develop Global Information Grid (GIG) and cyberspace strategy, planning guidance, policy, doctrine, implementation plans, and related courses of action, concepts of operations, standard operating procedures, and tactics, techniques and procedures. Conduct research and develop in collecting, coordinating, implementing, and executing requirements provided by the joint warfighting community</p>					

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff	DATE: February 2010
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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>	PROJECT P001: <i>Communication Requirements Development Support</i>
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B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<p>to include ensure warfighting applicability for secure and efficient GIG operations and defense. Provide Systems Engineering and Enterprise Architecture support facilitating the development, management, operation and defense of the GIG and GIG 2.0 efforts, including but not limited to Joint Basing and DoD Data Standards and Strategy. Execution of acquisition responsibilities inherent to cyberspace operations and GIG development, operations and defense to include conducting research and analysis to develop specific and actionable recommendations for implementing Internet Protocol, Version 6 (IPv6), Unified Capabilities (converged networking), and capabilities for conducting computer network operations and information assurance. Execute operations in cyberspace by participating in the design, development, implementation and execution of cyberspace experiments, exercises, tactical decision games, and war games to ensure the inclusion and appropriateness of information assurance, network operations and computer network operations objectives, goals, and activities. Research and facilitate the automation of Joint Staff information/business processes by providing reports on current and evolving techniques, technologies, security-related information capabilities, knowledge management and collaboration resources to include Web 2.0, Service Oriented Architecture, and enterprise capabilities for messaging, content management and knowledge management. Conduct GIG Interoperability and Supportability assessments of capabilities submitted for processing through JCIDS in accordance with applicable DOD and CJCS directives and instructions, including the CJCS Instruction 6212.01 series. Conduct research and development in support of the GIG requirements and the Joint Capabilities Integration Development System Process. Conduct technical coordination with Offices of the Secretary of Defense, all Combatant Commands, Services, Agencies (CC/S/A), the Defense Information Systems Agency, the National Intelligence community, and specified information sharing and mission partners.</p> <p><i>FY 2011 Base Plans:</i> Conduct technical analysis to develop Global Information Grid (GIG) and cyberspace strategy, planning guidance, policy, doctrine, implementation plans, and related courses of action, concepts of operations, standard operating procedures, and tactics, techniques and procedures. Conduct technical</p>					

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>	PROJECT P001: <i>Communication Requirements Development Support</i>
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B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<p>research and development to collect, coordinate, implement, and execute requirements provided by the joint warfighting community to include ensure warfighting applicability for secure and efficient GIG operations and defense. Facilitate the development, management, operation and defense of the GIG and GIG 2.0 efforts, including but not limited to Joint Basing and DoD Data Standards and Strategy. Conduct analysis and recommendations in executing operations in cyberspace by participating in the design, development, implementation and execution of cyberspace experiments, exercises, tactical decision games, and war games to ensure the inclusion and appropriateness of information assurance, network operations and computer network operations objectives, goals, and activities. Conduct technical computer network operations, NetOps, and information assurance and planning to integrate into force management processes and operational plans and orders. Conduct studies and provide white papers, problem statements, and support the development of new GIG and cyberspace operating concepts. Conduct GIG Interoperability and Supportability assessments of capabilities submitted for processing through JCIDS in accordance with applicable DOD and CJCS directives and instructions, including the CJCS Instruction 6212.01 series. Participate in the development, implementation, and execution of GIG network management, configuration management, network defense, information assurance, and network visualization solutions. Develop, prioritize, prototype, and implement technical solutions to enable rapid and efficient decision-making. Provide technical analysis for implementing and deploying Voice over IP (VoIP), Voice over Security IP (VoSIP), and everything over IP (EoIP) capabilities to OSD, Joint Staff and CC/S/A as well as other DoD mission partners. Conduct technical coordination with Offices of the Secretary of Defense, all Combatant Commands, Services, Agencies (CC/S/A), the Defense Information Systems Agency, the National Intelligence community, and specified information sharing and mission partners.</p>					
Accomplishments/Planned Programs Subtotals	0.331	0.866	0.886	0.000	0.886

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>	P001: <i>Communication Requirements Development Support</i>

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

E. Performance Metrics

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R-1 Line Item #205

Page 7 of 13

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>	PROJECT P002: <i>Coalition Warrior Interoperability Demo</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
P002: <i>Coalition Warrior Interoperability Demo</i>	1.352	1.672	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles			0		0	0	0	0	0		

A. Mission Description and Budget Item Justification

The Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW) vision evolved into the Department's Global Information Grid (GIG) as a means to achieve Information Superiority. The GIG is the globally interconnected, end-to-end set of information capabilities, associated processes, and personnel for collecting, processing, storing, disseminating and managing information on-demand to warfighters, policy makers, and support personnel. The GIG includes all owned and leased communications and computing systems and services, software (including applications), data, security services, and other associated services necessary to achieve Information Superiority. It also includes National Security Systems as defined in section 5142 of the Clinger-Cohen Act of 1996. The GIG supports all DOD, National Security, and related Intelligence Community missions and functions (strategic, operational, tactical and business), in war and in peace. The GIG also provides capabilities from all operating locations (bases, posts, camps, stations, facilities, mobile platforms, and deployed sites). Finally, the GIG provides interfaces to coalition, allied, and non-DOD users and systems.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Coalition Warrior Interoperability Demonstration	1.352	1.672	0.000	0.000	0.000
<p>The Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW) program evolved into the Department's Global Information Grid (GIG) as a means to achieve information superiority. Coalition Warrior Interoperability Demonstration (CWID) provides focus and visibility into resolving joint, coalition, and national civil authority C4 interoperability issues and provides organizing principles, techniques, and procedures for achieving information superiority as envisioned by Joint Vision 2020. The GIG stresses interoperability and CWID leverages the rapid pace of C4 technology advancements. CWID is the Chairman's annual event that enables the US</p>					

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>	PROJECT P002: <i>Coalition Warrior Interoperability Demo</i>
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B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<p>combatant commands, national civil authorities, and international community to investigate command control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR) solutions that focus on relevant and timely objectives for enhancing coalition interoperability and exploring new partnerships. CWID is conducted in a simulated operational environment to provide context for warfighter and national civil authorities' validation of those solutions. Interoperability Trials (ITs) are the activities used to address the core coalition and interagency interoperability objectives selected each year. ITs strive to address warfighter requirements and interoperability deficiencies. The selection of trials is dependent upon the annual overarching objectives, the host combatant command's priorities, Coalition/State/Agency desires to partner in a proposed trial, interagency participation, and the desires of invited coalition participants. CWID is an integral component of the JV 2020 conceptual template.</p> <p><i>FY 2009 Accomplishments:</i> Completed a revision update to CWID Instruction CJCSI 6260.01. Conducted day-to-day program operations, six planning conferences/meetings, and demonstration execution. Evaluated 42 technologies and capabilities (many new and emerging) for exchanging information among coalition partners, military services, government agencies, first responders and U.S. combatant commanders. Executed an integrated communication plan across the DoD, Department of Homeland Security and amongst coalition partners resulting in more than 30 Internet stories, several originating from print publications; five broadcast stories; blog discussions, and social networking sites such as Twitter and YouTube.</p> <p><i>FY 2010 Plans:</i> Focus on real world and future problems (i.e. CENTRIX-ISAF). Exploit opportunities for integration and collaboration with CYBERCOM. Evaluate 40 technologies and capabilities (many new and emerging) for exchanging information among coalition partners, military services, government agencies, first responders and U.S. combatant commanders. Investigate capabilities to develop an Information Communication Technologies umbrella for coalition operations to facilitate multinational command</p>					

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>		PROJECT P002: <i>Coalition Warrior Interoperability Demo</i>				
B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
and control. Develop criteria/standards for assessing technologies to be measured against for use in a "coalition environment". Conduct day-to-day program operations, six planning conferences/meetings, and demonstration execution. <i>FY 2011 Base Plans:</i> None. This program will transfer to USJFCOM, as directed by the Vice Chairman, in FY2011.								
Accomplishments/Planned Programs Subtotals				1.352	1.672	0.000	0.000	0.000
C. Other Program Funding Summary (\$ in Millions) N/A								
D. Acquisition Strategy N/A								
E. Performance Metrics None. This program will transfer to USJFCOM, as directed by the Vice Chairman, in FY11.								

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>	PROJECT P003: <i>Communications Operations Analysis and Integration</i>
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COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
P003: <i>Communications Operations Analysis and Integration</i>	1.969	1.543	1.375	0.000	1.375	1.428	1.473	1.514	1.511	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW) vision evolved into the Department's Global Information Grid (GIG) as a means to achieve Information Superiority. The GIG is the globally interconnected, end-to-end set of information capabilities, associated processes, and personnel for collecting, processing, storing, disseminating and managing information on-demand to warfighters, policy makers, and support personnel. The GIG includes all owned and leased communications and computing systems and services, software (including applications), data, security services, and other associated services necessary to achieve Information Superiority. It also includes National Security Systems as defined in section 5142 of the Clinger-Cohen Act of 1996. The GIG supports all DOD, National Security, and related Intelligence Community missions and functions (strategic, operational, tactical and business), in war and in peace. The GIG also provides capabilities from all operating locations (bases, posts, camps, stations, facilities, mobile platforms, and deployed sites). Finally, the GIG provides interfaces to coalition, allied, and non-DOD users and systems.

B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Communications Operations Analysis & Integration Future operations will rely on seamless and fully integrated Satellite Communications and terrestrial Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) systems and networks - all capable of supporting network centric operations. The use of creative analytical methodologies, C4ISR assessment tools, modeling and simulation, functional analysis, architecture development and assessment tools, and other analytical techniques, as appropriate, will help the development of insights and solutions to further evolve to a fully connected, integrated, and interoperable force.	1.969	1.543	1.375	0.000	1.375

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>	PROJECT P003: <i>Communications Operations Analysis and Integration</i>
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B. Accomplishments/Planned Program (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<p><i>FY 2009 Accomplishments:</i> Lean Six Sigma review of the Interoperability and Supportability process defined in the Net Ready KPP and CJCSI 6212. Developed the GIG 2.0 CONOPS development of the GIG 2.0 Initial Capabilities Document (ICD). Researched and developed a stand alone Appendix to the GIG 2.0 ICD for performance parameters and metrics for GIG 2.0 capabilities. Developed the GIG 2.0 Implementation Plan and the GIG 2.0 Decision Support Tool (DST). Researched and developed the re-write of the Net Centric Data Strategy Guide.</p> <p><i>FY 2010 Plans:</i> Support the GIG 2.0 Implementation Plan. Develop the GIG 2.0 DST. Build an Interoperability and Supportability (I&S) Process Model. Build a GIG 2.0 Governance Process Model. Complete the Net Centric Data Strategy Guide. Assist in the re-write of the CJCSI 6212 and the Net Ready KPP. Develop the modification of the Net Centric Capability Delivery Increments (CDI) document.</p> <p><i>FY 2011 Base Plans:</i> Produce a Process Model for the JS J6 business processes. Support the implementation of the Interoperability and Supportability (I&S) processes. Support the Cyber Division in the execution of the DOD cyber missions. Support the NC and C2 CPMs in the deliver of capabilities to support the NC CDI. Continue to support the GIG 2.0 processes in the oversight and governance of the GIG.</p>					
Accomplishments/Planned Programs Subtotals	1.969	1.543	1.375	0.000	1.375

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

N/A

UNCLASSIFIED

R-1 Line Item #205

Page 12 of 13

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303149J: <i>Command, Control, Communications, Computers, and Intelligence for the Warrior (C4IFTW)</i>	PROJECT P003: <i>Communications Operations Analysis and Integration</i>

E. Performance Metrics

Contractor produces written summaries of key Frequency Panel sub-group meetings and preparatory meetings for annual COCOM spectrum management conferences.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 The Joint Staff **DATE:** February 2010

APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE								
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i>			PE 0902298J: <i>Management Headquarters</i>								
BA 7: <i>Operational Systems Development</i>											
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	3.392	7.535	2.807	0.000	2.807	2.864	2.960	2.933	2.820	Continuing	Continuing
P001: <i>Joint Staff Information Network (JSIN)</i>	3.392	7.535	2.807	0.000	2.807	2.864	2.960	2.933	2.820	Continuing	Continuing

A. Mission Description and Budget Item Justification

Management Headquarters provides the day-to-day financial resources necessary to support TJS operations. Across the Joint Staff, Management Headquarters resources support various efforts including network infrastructure, civilian pay accounts, supplies, travel, training, portfolio management, business process reviews, and transformation initiatives.

B. Program Change Summary (\$ in Millions)

	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011 Base</u>	<u>FY 2011 OCO</u>	<u>FY 2011 Total</u>
Previous President's Budget	3.392	8.303	0.000	0.000	0.000
Current President's Budget	3.392	7.535	2.807	0.000	2.807
Total Adjustments	0.000	-0.768	2.807	0.000	2.807
• Congressional General Reductions		0.000			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Joint Staff Information Network (JSIN)	0.000	-0.768	2.807	0.000	2.807

Change Summary Explanation

FY10 program reduction is due to the internal realignment of RDT&E funding in support of Joint Staff-specific information technology, management, and collaboration initiatives under the Office of the Chief Information Officer (OCIO) Joint Staff Information Network (JSIN) project.

The DoD did not estimate FY2011 cost when the FY2010 President's Budget was prepared.

UNCLASSIFIED

R-1 Line Item #247

Page 1 of 4

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff								DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0902298J: <i>Management Headquarters</i>				PROJECT P001: <i>Joint Staff Information Network (JSIN)</i>				
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost	
P001: <i>Joint Staff Information Network (JSIN)</i>	3.392	7.535	2.807	0.000	2.807	2.864	2.960	2.933	2.820	Continuing	Continuing	
Quantity of RDT&E Articles												
A. Mission Description and Budget Item Justification												
Management Headquarters provides the day-to-day financial resources necessary to support TJS operations. Across the Joint Staff, Management Headquarters resources support various efforts including network infrastructure, civilian pay accounts, supplies, travel, training, portfolio management, business process reviews, and transformation initiatives.												
B. Accomplishments/Planned Program (\$ in Millions)												
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total		
Joint Staff Information Network (JSIN)						3.392	7.535	2.807	0.000	2.807		
Provides RDT&E funds for the Joint Staff Information Network (JSIN). JSIN is the network infrastructure (for both classified and unclassified information) enabling collaboration and information-sharing among the Joint Staff, COCOMs and the Services. The JSIN also provides crucial business-related decision-making information and workflow support affecting military operations in support of the JCS. JSIN improves actions processing for faster coordination of critical issues with Combatant Commands (COCOMs), Services, and agencies, as well as within TJS.												
<i>FY 2009 Accomplishments:</i>												
Developed products, capabilities, and services designed to satisfy valid mission-critical needs, including classified Secret JS network, thin client computers/ communications, enhanced identification/ secured network access, automated task/workflow management system, web-enabled and integrated task management pilot, desktop and electronic Video Tele-Conference (eVTC) suites, Information Technology (IT) for the new National Joint Operations and Intelligence Center and Pakistan												

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff				DATE: February 2010				
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0902298J: <i>Management Headquarters</i>		PROJECT P001: <i>Joint Staff Information Network (JSIN)</i>				
B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<p>Afghanistan Coordination Cell providing vital support of US Forces and the International Stabilization Force (ISAF). Initiated research to build web portal capabilities. Researched JS IT strategic direction and improvements.</p> <p><i>FY 2010 Plans:</i> Enhance eVTC capabilities. Upgrade IT capabilities for Chairman, JCS. Upgrade communications hardware & software. Implement computer and server intrusion prevention and detection capability. Enhance enterprise monitoring/reporting and computer configuration control capabilities. Improve IT automated service support/delivery management system. Implement GO remote communications capabilities. Increase secure, mobile electronic data/voice capabilities. Upgrade communications at JS contingency location. Initiate Joint Training Information Management System (JTIMS) development. Develop users' communication issue resolution capability. Deploy MS Office and Exchange 2007 enhanced capabilities. Modernize network architecture and expand Test Lab. Initiate web portal enhancements. Research JS IT strategic direction and improvements.</p> <p><i>FY 2011 Base Plans:</i> Develop new, enhanced JS automated task/workflow management system. Modernize network architecture. Upgrade communications hardware & software. Researching JS IT strategic direction and improvements. Complete web portal and content discovery enhancements. Provide secure, mobile electronic data/voice capabilities. Enhance identification/secured network access capabilities. Complete JTIMS implementation.</p>								
Accomplishments/Planned Programs Subtotals				3.392	7.535	2.807	0.000	2.807
C. Other Program Funding Summary (\$ in Millions)								
N/A								
D. Acquisition Strategy								
N/A								

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Exhibit R-2A, RDT&E Project Justification: PB 2011 The Joint Staff		DATE: February 2010
APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0902298J: <i>Management Headquarters</i>	PROJECT P001: <i>Joint Staff Information Network (JSIN)</i>

E. Performance Metrics

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