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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Office of Secretary Of Defense	DATE: February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 3: <i>Advanced Technology Development (ATD)</i>				PE 0603727D8Z: <i>Joint Warfighting Program</i>							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	10.710	10.310	8.403	-	8.403	8.571	8.786	9.041	9.205	Continuing	Continuing
P727: <i>Joint Warfighting</i>	10.710	10.310	8.403	-	8.403	8.571	8.786	9.041	9.205	Continuing	Continuing

A. Mission Description and Budget Item Justification

The OSD Joint Warfighting Program (JWP) account supports two related activities supporting development of the Department's joint warfighting capabilities. In anticipation of constrained military budgets, there will be increased demand for JWP support as Combatant Commanders will be under pressure to refine their requests for supplementary capabilities.

The Joint Advanced Warfighting Program (JAWP) segment provides innovative, responsive and timely analytic support on joint capability development serving the needs of Combatant Commanders. It provides an independent source to examine potential remedies for mission capability gaps and can establish a framework for subsequent field experiments, capability demonstrations or accelerated acquisition. JAWP often represents the first effort to define alternative solutions across the range of Doctrine, Organization, Training, Material, Leadership and Personnel-Facilities. JAWP resources underwrite a small dedicated staff of civilian military operation research analysts (currently hosted by the Institute for Defense Analysis - IDA). Administered by the Joint Operations Support cell within OSD/AT&L, the JAWP conducts an annual call for inputs from Combatant Command staffs elements that formulate Capability Gap assessments and technology based initiatives. Project selection is undertaken in consultation with the OSD staffs serving AT&L and Policy and with elements of the Joint Staff.

The balance of JWP resources are dedicated to direct support of joint commands with analytic resources to translate capability gap assessments into actionable military needs statements, identification of candidate solutions via experimentation, translation of solution concepts into field demonstrations, and remedy of joint capability gaps in partnership with Defense agents for doctrine changes and technology development. JWP resources dedicated to direct support joint commands provides analytic expertise not normally allocated via formal staffing billets. In this activity, JWP underwrites small grants to invigorate employment of experimentation and analysis, to formulate strategies to resolve joint capability gaps, and to stimulate participation in the Department enterprises for joint experimentation and joint capability development. JWP resources also research and development of tools supporting joint commander analytic efforts.

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APPROPRIATION/BUDGET ACTIVITY 0400: <i>Research, Development, Test & Evaluation, Defense-Wide</i> BA 3: <i>Advanced Technology Development (ATD)</i>	R-1 ITEM NOMENCLATURE PE 0603727D8Z: <i>Joint Warfighting Program</i>
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B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	10.966	10.547	10.583	-	10.583
Current President's Budget	10.710	10.310	8.403	-	8.403
Total Adjustments	-0.256	-0.237	-2.180	-	-2.180
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.158	-0.167			
• Other Program Adjustments	-0.003	-	-2.180	-	-2.180
• Economic Assumptions	-0.056	-	-	-	-
• FFRDC	-0.039	-0.070	-	-	-

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Office of Secretary Of Defense									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 3: Advanced Technology Development (ATD)				R-1 ITEM NOMENCLATURE PE 0603727D8Z: Joint Warfighting Program				PROJECT P727: Joint Warfighting			
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
P727: Joint Warfighting	10.710	10.310	8.403	-	8.403	8.571	8.786	9.041	9.205	Continuing	Continuing

A. Mission Description and Budget Item Justification

The OSD Joint Warfighting Program (JWP) account supports two related activities supporting development of the Department's joint warfighting capabilities. In anticipation of constrained military budgets, there will be increased demand for JWP support as Combatant Commanders will be under pressure to refine their requests for supplementary capabilities.

The Joint Advanced Warfighting Program (JAWP) segment provides innovative, responsive and timely analytic support on joint capability development serving the needs of Combatant Commanders. It provides an independent source to examine potential remedies for mission capability gaps and can establish a framework for subsequent field experiments, capability demonstrations or accelerated acquisition. JAWP often represents the first effort to define alternative solutions across the range of Doctrine, Organization, Training, Material, Leadership and Personnel-Facilities. JAWP resources underwrite a small dedicated staff of civilian military operation research analysts (currently hosted by the Institute for Defense Analysis - IDA). Administered by the Joint Operations Support cell within OSD/AT&L, the JAWP conducts an annual call for inputs from Combatant Command staffs elements that formulate Capability Gap assessments and technology based initiatives. Project selection is undertaken in consultation with the OSD staffs serving AT&L and Policy and with elements of the Joint Staff.

The balance of JWP resources are dedicated to direct support of joint commands with analytic resources to translate capability gap assessments into actionable military needs statements, identification of candidate solutions via experimentation, translation of solution concepts into field demonstrations, and remedy of joint capability gaps in partnership with Defense agents for doctrine changes and technology development. JWP resources dedicated to direct support joint commands provides analytic expertise not normally allocated via formal staffing billets. In this activity, JWP underwrites small grants to invigorate employment of experimentation and analysis, to formulate strategies to resolve joint capability gaps, and to stimulate participation in the Department enterprises for joint experimentation and joint capability development. JWP resources also research and development of tools supporting joint commander analytic efforts.

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

	FY 2011	FY 2012	FY 2013
Title: Support for Combatant Command (COCOM) Innovation Cells	5.550	4.820	4.403
Description: JWP supports COCOMs by promoting the use of joint experimentation to address challenges specific to their theater or functional missions. It aims to reinvigorate COCOM staff capabilities to employ rigorous analysis and experimentation methodologies in support of specific mission assignments. It allows COCOM staffs to identify capability gaps and explore potential solutions "trial and error" limited objective experiments experiment to understand a concept or technology that addresses a specific COCOM challenge.			
FY 2011 Accomplishments: FY 2011 Output -Provided resources to COCOMs to enable experimentation cells to employ joint experimentation that identifies and addresses regional capability gaps, explores potential solutions, and improves understanding of new technologies and			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012
<p>concepts. Empowered the COCOM staffs to employ rigorous analysis and experimentation methodologies in support of their specific mission assignments, to assess their own needs critically and to examine viable capability gap solutions.</p> <p>FY 2012 Plans: FY 2012 Planned Output -Continue to provide resources to COCOMs to enable experimentation cells to employ joint experimentation that identifies and addresses regional capability gaps, explores potential solutions, and improves understanding of new technologies and concepts. Empower the COCOM staff s to employ rigorous analysis and experimentation methodologies in support of their specific mission assignments, to assess their own needs critically and to examine viable capability gap solutions.</p> <p>FY 2013 Plans: FY 2013 Continue to provide resources to COCOMs to enable experimentation cells to employ joint experimentation that identifies and addresses regional capability gaps, explores potential solutions, and improves understanding of new technologies and concepts. Empower the COCOM staff s to employ rigorous analysis and experimentation methodologies in support of their specific mission assignments, to assess their own needs critically and to examine viable capability gap solutions.</p>			
<p>Title: Joint Advanced Warfighting Program (JAWP)</p> <p>Description: The Joint Advanced Warfighting Program (JAWP) segment provides innovative, responsive and timely analytic support on joint capability development serving the needs of Combatant Commanders. It provides an independent source to examine potential remedies for mission capability gaps and can establish a framework for subsequent field experiments, capability demonstrations or accelerated acquisition. JAWP often represents the first effort to define alternative solutions across the range of Doctrine, Organization, Training, Material, Leadership and Personnel-Facilities. JAWP resources underwrite a small dedicated staff of civilian military operation research analysts (currently hosted by the Institute for Defense Analysis - IDA). Administered by the Joint Operations Support cell within OSD/AT&L, the JAWP conducts an annual call for inputs from Combatant Command staffs elements that formulate Capability Gap assessments and technology based initiatives. Project selection is undertaken in consultation with the OSD staffs serving AT&L and Policy and with elements of the Joint Staff.</p> <p>FY 2011 Accomplishments: FY 2011 Output- The Joint Advanced Warfighting Program (JAWP) continued support of full spectrum transformation objectives addressing irregular, catastrophic, and disruptive challenges. It will design, conduct, and support joint experimentation, joint concept development, and analysis of joint operations, with the intent to inform and effect resource allocation and acquisition. It continued efforts to align department processes in ways that make them more responsive to the needs of COCOMs and their subordinate forces and coalition partners. Specific projects include</p> <ul style="list-style-type: none"> • Developed alternative concepts for inclusion in the Department of Defense Analytical Agenda; • Developed a counter threat finance strategy to support USNORTHCOM; 		5.160	5.490
			4.000

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012	FY 2013
<ul style="list-style-type: none"> Identified strategic lessons learned in operations with the interagency partners in Operation Unified Response; Assessed current COCOM tools for campaign planning. <p>FY 2012 Plans: FY 2012 Planned Output- The Joint Advanced Warfighting Program (JAWP) segment will provide innovative, responsive and timely capability development pathways and recommendations for field experiments conducted by Combatant Commands. It will provide an independent source for enabling capability development suitable for joint experimentation undertaken by the joint Commands. The findings of these investigative analyses frequently explore joint capability development via experiments and prototype demonstrations leading toward potential material solutions. Projects include assessing force sufficiency gaming for Adaptive Planning; a survey/analysis of models, military wargames and analysis tools in Department of Defense; and an analysis of field experimentation. It will enable COCOMs to do experiments in the field that addresses regional capability gaps, explores potential solutions, and improves understanding of new technologies.</p> <p>FY 2013 Plans: The Joint Advanced Warfighting Program (JAWP) segment will provide innovative, responsive and timely capability development pathways and recommendations for field experiments conducted by Combatant Commands. It will provide an independent source for enabling capability development suitable for joint experimentation undertaken by the joint Commands. The findings of these investigative analyses frequently explore joint capability development via experiments and prototype demonstrations leading toward potential material solutions. It will enable COCOMs to do experiments in the field that addresses regional capability gaps, explores potential solutions, and improves understanding of new technologies. Empower the COCOM staffs to employ rigorous analysis and experimentation methodologies in support of their specific mission assignments, to assess their own needs critically and to examine viable capability gap solutions.</p>				
Accomplishments/Planned Programs Subtotals		10.710	10.310	8.403
C. Other Program Funding Summary (\$ in Millions) N/A				
D. Acquisition Strategy N/A				
E. Performance Metrics Performance of Joint Experimentation systems is measured through metrics including (1) objective validation of enhanced COCOM capabilities to perform joint missions in their assigned theaters and areas of responsibility, (2) documented delivery effective joint operational concepts, (3) confirmed production of refined and validated capability descriptions.				