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Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Office of Secretary Of Defense **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 0605200D8Z: <i>General Support to USD(I)</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	16.361	5.840	6.227	0.000	6.227	6.558	6.831	6.930	7.026	Continuing	Continuing
001: <i>Irregular Warfare Resource Intelligence Program</i>	11.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
002: <i>Cross-cutting Studies</i>	0.310	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
003: <i>Developmental Activities</i>	1.013	2.774	3.194	0.000	3.194	3.411	3.651	3.706	3.757	Continuing	Continuing
004: <i>Operations Integration</i>	3.023	3.066	3.033	0.000	3.033	3.147	3.180	3.224	3.269	Continuing	Continuing
006: <i>Joint Duty</i>	0.515	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

A. Mission Description and Budget Item Justification

Irregular Warfare Resource Intelligence Program (formerly entitled Counter Threat Finance) classified details are provided in Defense-Wide (classified) Volume 7 Book.

Cross-cutting Studies affected wide-area persistent surveillance; material and non-material solutions for countering China's emerging counterspace capabilities; and an approach to netcentricity.

Developmental Activities provides innovative approaches to address intelligence, intelligence related capabilities, and intelligence sharing.

Operations Integration focuses on technologies and their applications on activities of the OUSD(I).

Joint Duty was the result of a Department reprogramming from O&M, DW for proper execution. This effort funded a module used to track Service participation in the Joint Duty Assignment (JDA) program.

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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 0605200D8Z: <i>General Support to USD(I)</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	15.855	5.888	0.000	0.000	0.000
Current President's Budget	16.361	5.840	6.227	0.000	6.227
Total Adjustments	0.506	-0.048	6.227	0.000	6.227
• Congressional General Reductions		-0.048			
• Congressional Directed Reductions		0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds		0.000			
• Congressional Directed Transfers		0.000			
• Reprogrammings	0.515	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Program Adjustments	-0.009	0.000	6.227	0.000	6.227

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Office of Secretary Of Defense									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 0605200D8Z: <i>General Support to USD(I)</i>				PROJECT 001: <i>Irregular Warfare Resource Intelligence Program</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
001: <i>Irregular Warfare Resource Intelligence Program</i>	11.500	0.000	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 Classified details provided in Defense-Wide (classified) Volume 7 book.											
B. Accomplishments/Planned Program (\$ in Millions)											
							FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Irregular Warfare Resource Intelligence Program							11.500	0.000	0.000	0.000	0.000
<i>FY 2009 Accomplishments:</i> Classified details provided in Defense-Wide (classified) Volume 7 book. This effort was previously titled Counter Threat Finance.											
Accomplishments/Planned Programs Subtotals							11.500	0.000	0.000	0.000	0.000
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	FY 2012	FY 2013	FY 2014	FY 2015	Cost To Complete	Total Cost
• 0305192D8Z: <i>Counter Threat Finance (Cong. add under former name, same effort)</i>		1.600								Continuing	Continuing
D. Acquisition Strategy N/A											

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E. Performance Metrics

N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Office of Secretary Of Defense **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 0605200D8Z: <i>General Support to USD(I)</i>	PROJECT 002: <i>Cross-cutting Studies</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
002: <i>Cross-cutting Studies</i>	0.310	0.000	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

Cross-cutting Studies are affecting wide-area persistent surveillance; material and non-material solutions for countering China's emerging counterspace capabilities; and an approach to netcentricity.

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Cross-cutting studies <i>FY 2009 Accomplishments:</i> Three studies completed in FY09: (1) An assessment on future improvements to wide-area persistent surveillance, including an assessment of sensor technology capabilities and limitations; an analysis of the most suitable sensor platforms; an evaluation of the best system architecture for collecting, sharing, and analyzing sensor data; and analysis of the optimum use of wide-area surveillance for defeating IED and other asymmetric threat networks. This is a cross-cutting study co-funded with other OSD entities. (2) A capability-based assessment of material and non-material solutions for countering China's emerging counterspace capabilities. Results will provide foundational data for the follow-on functional solution analysis. This is a cross-cutting study co-funded with other OSD entities. (3) Determination of an optimal approach to sharing data and services: an approach to netcentricity. Multiple organizations have put forward concepts and funding demonstrations, analyses, joint	0.310	0.000	0.000	0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Office of Secretary Of Defense				DATE: February 2010				
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B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
capabilities technology demonstrations and actual programs. The study will bring together the disparate efforts to see what's common and will also look at appropriate governance models for these types of efforts across the department. This is a cross-cutting study co-funded with other OSD entities.								
Accomplishments/Planned Programs Subtotals				0.310	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 Office of Secretary Of Defense								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 0605200D8Z: <i>General Support to USD(I)</i>				PROJECT 003: <i>Developmental Activities</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
003: <i>Developmental Activities</i>	1.013	2.774	3.194	0.000	3.194	3.411	3.651	3.706	3.757	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
This program focuses on developmental technologies, methodologies, and capabilities. These activities will provide unique and innovative approaches to address intelligence, intelligence related capabilities, and intelligence sharing initiatives.											
B. Accomplishments/Planned Program (\$ in Millions)											
							FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Developmental Activities							1.013	2.774	3.194	0.000	3.194
<p><i>FY 2009 Accomplishments:</i> Demonstrated an innovative technology concept to integrate and automate data and processes that enables enhanced due-diligence with respect to industrial base issues.</p> <p>Developed and supported strategies promoting the integration of intelligence-related capabilities while leveraging intelligence sharing technology and information initiatives for the Air Intelligence Integrated Domain effort.</p> <p>Developed relationships and leveraged opportunities to assess commercial capabilities in support of warfighter requirements, to demonstrate technical and operational feasibility, and to test integrated applications and methodologies for multiple domains (air, maritime, human, etc).</p>											
<p><i>FY 2010 Plans:</i> Continue to leverage technologies, assess innovative capabilities, and develop methodologies to support the Defense Intelligence Enterprise.</p>											

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B. Accomplishments/Planned Program (\$ in Millions)								
				FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
<i>FY 2011 Base Plans:</i> Continue to leverage technologies, assess innovative capabilities, and develop methodologies to support the Defense Intelligence Enterprise.								
Accomplishments/Planned Programs Subtotals				1.013	2.774	3.194	0.000	3.194
C. Other Program Funding Summary (\$ in Millions) N/A								
D. Acquisition Strategy NA								
E. Performance Metrics N/A								

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Office of Secretary Of Defense								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 0605200D8Z: <i>General Support to USD(I)</i>				PROJECT 004: <i>Operations Integration</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
004: <i>Operations Integration</i>	3.023	3.066	3.033	0.000	3.033	3.147	3.180	3.224	3.269	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
This program focuses on technologies for the application to activities of the USD(I). It includes evaluation of concepts, technology development, and feasibility studies related to intelligence processes, shortfalls, and requirements that affect intelligence policy, planning and operational guidance.											
B. Accomplishments/Planned Program (\$ in Millions)											
							FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Operations Integration <i>FY 2009 Accomplishments:</i> Details classified above Secret level. <i>FY 2010 Plans:</i> Details classified above Secret level. <i>FY 2011 Base Plans:</i> Details classified above Secret level.							3.023	3.066	3.033	0.000	3.033
Accomplishments/Planned Programs Subtotals							3.023	3.066	3.033	0.000	3.033
C. Other Program Funding Summary (\$ in Millions)											
N/A											
D. Acquisition Strategy											
N/A											

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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 0605200D8Z: <i>General Support to USD(I)</i>	004: <i>Operations Integration</i>

E. Performance Metrics

N/A

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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	
006: <i>Joint Duty</i>	0.515	0.000	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 Module development for tracking Joint Duty Assignments.												
B. Accomplishments/Planned Program (\$ in Millions)												
						FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total		
Module Development Module used to track Service participation in the Joint Duty Assignment (JDA) program. <i>FY 2009 Accomplishments:</i> Developed a module to track Service participation in the Joint Duty Assignment (JDA) program within the Defense Civilian Personnel Data System. This module is the first prototype for the Department reporting of civilian participation in Joint programs.						0.515	0.000	0.000	0.000	0.000		
Accomplishments/Planned Programs Subtotals						0.515	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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