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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2012 Defense Security Cooperation Agency	<b>DATE:</b> February 2011
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>				PE 0605127T: <i>Regional International Outreach (RIO) - Partnership for Peace Information Management System (PIMS)</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	1.974	2.139	2.165	-	2.165	2.194	2.226	2.258	2.325	Continuing	Continuing
000000: <i>Regional International Outreach - Partnership for Peace Information Management Systems</i>	1.974	2.139	2.165	-	2.165	2.194	2.226	2.258	2.325	Continuing	Continuing

**Note**

Funding for OHASIS moved to PE 0605147T in FY 2010.

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

Regional International Outreach (RIO) - Partnership for Peace (PfP) Information Management System (PIMS) is an Office of the Secretary of Defense (OSD) initiative to deploy a common information technology platform to improve international partner outreach and collaboration efforts in a federated environment. A federated environment – characterized by the capability of DoD institutions to directly share participants and content across websites - fosters networks of partner influencers and enables better use of DoD resources through collaboration among the Regional Centers for Security Studies, PfP and international partners, and other DoD educational institutions and partners as required. The program uses a spiral methodology (making available capabilities as developed), to speed the delivery of open source collaboration technologies the user community. DSCA oversees execution of the research and development of the RIO-PIMS effort and its operations, and ensures that the program addresses DoD security cooperation requirements in the context of defense, interagency, and international information sharing and collaboration needs.

FY 2010 was the first year combining the RIO and PIMS projects to leverage management, integration, and funding resources. This unification streamlined the research and development funds into one information sharing and collaboration technology platform.

The RIO-PIMS effort focuses on improving collaboration, supporting outreach efforts, and enabling PfP missions among the Regional Centers for Security Studies (Africa Center for Strategic Studies, Asia-Pacific Center for Security Studies, Center for Hemispheric Defense Studies, George C. Marshall European Center for Security Studies, Near East South Asia Center for Strategic Studies), the Combatant Commanders, the Defense Security Cooperation Agency (DSCA), OUSD (Policy), NATO's Military Cooperation Division, the PfP Consortium of Defense Academies, PfP Partner countries, and other designated DoD institutions. It provides DoD and international partner security practitioners a platform to share information, collaborate on projects, and streamline administrative activities. It also provides the ability to form collaborative communities of interest around security issues. RIO-PIMS facilitates information sharing and knowledge management concepts in accordance with U.S. policy. PIMS as a part of the North Atlantic Treaty Organization (NATO) Enlargement Facilitation Act of 1996 implements the Congressional endorsement for the modernization of Defense capabilities in eligible PfP countries relative to their telecommunications infrastructure. RIO-PIMS provides allies and partner countries the ability to collaborate in critical cooperative activities that underpin the spirit of the PfP program. The program supports PfP coalition initiatives through development of distributive collaboration tools to support aspects of U.S. and NATO-approved PfP cooperative activities. This support is important to achieve the interoperability/integration outlined in the Guidance for the Employment of the Force. RIO-PIMS supports internet-based education and collaboration, exercise simulations, and training centers.

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<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605127T: <i>Regional International Outreach (RIO) - Partnership for Peace Information Management System (PIMS)</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
Previous President's Budget	2.001	2.139	2.169	-	2.169
Current President's Budget	1.974	2.139	2.165	-	2.165
Total Adjustments	-0.027	-	-0.004	-	-0.004
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-0.024	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-0.003	-			
• SBIR/STTR Transfer	-	-			
• Inflation Adjustment	-	-	-0.004	-	-0.004

**Change Summary Explanation**

FY 2010: Funds for OHASIS moved to PE 0605147T

FY 2012: Inflation Adjustment of \$-0.004

FY 2012: The Regional International Outreach - Partnership for Peace Information Management System requires \$2.1M to continue to deploy a common information technology platform to improve international partner outreach and collaboration efforts.

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Defense Security Cooperation Agency									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0605127T: Regional International Outreach (RIO) - Partnership for Peace Information Management System (PIMS)				PROJECT 000000: Regional International Outreach - Partnership for Peace Information Management Systems			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
000000: Regional International Outreach - Partnership for Peace Information Management Systems	1.974	2.139	2.165	-	2.165	2.194	2.226	2.258	2.325	Continuing	Continuing
Quantity of RDT&E Articles											

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

Regional International Outreach (RIO)-Partnership for Peace (PfP) Information Management System (PIMS) is an Office of the Secretary of Defense (OSD) initiative to deploy a common information technology platform to improve international partner outreach and collaboration efforts in a federated environment. A federated environment – characterized by the capability of DoD institutions to directly share participants and content across websites - fosters networks of partner influencers and enables better use of DoD resources through collaboration among the Regional Centers for Security Studies, PfP and international partners, and other DoD educational institutions and partners as required. The program uses a spiral methodology (making available capabilities as developed), to speed the delivery of open source collaboration technologies the user community. DSCA oversees execution of the research and development of the RIO-PIMS effort and its operations, and ensures that the program addresses DoD security cooperation requirements in the context of defense, interagency, and international information sharing and collaboration needs.

FY 2010 was the first year combining the RIO and PIMS projects to leverage management, integration, and funding resources. This unification streamlined the research and development funds into one information sharing and collaboration technology platform.

The RIO-PIMS effort focuses on improving collaboration, supporting outreach efforts, and enabling PfP missions among the Regional Centers for Security Studies (Africa Center for Strategic Studies, Asia-Pacific Center for Security Studies, Center for Hemispheric Defense Studies, George C. Marshall European Center for Security Studies, Near East South Asia Center for Strategic Studies), the Combatant Commanders, the Defense Security Cooperation Agency (DSCA), OUSD (Policy), NATO's Military Cooperation Division, the PfP Consortium of Defense Academies, PfP Partner countries, and other designated DoD institutions. It provides DoD and international partner security practitioners a platform to share information, collaborate on projects, and streamline administrative activities. It also provides the ability to form collaborative communities of interest around security issues. RIO-PIMS facilitates information sharing and knowledge management concepts in accordance with U.S. policy. PIMS as a part of the North Atlantic Treaty Organization (NATO) Enlargement Facilitation Act of 1996 implements the Congressional endorsement for the modernization of Defense capabilities in eligible PfP countries relative to their telecommunications infrastructure. RIO-PIMS provides allies and partner countries the ability to collaborate in critical cooperative activities that underpin the spirit of the PfP program. The program supports PfP coalition initiatives through development of distributive collaboration tools to support aspects of U.S. and NATO-approved PfP cooperative activities. This support is important to achieve the interoperability/integration outlined in the Guidance for the Employment of the Force. RIO-PIMS supports internet-based education and collaboration, exercise simulations, and training centers.

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

	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
<b>Title:</b> Regional International Outreach - Partnership for Peace Information Management System	1.974	2.139	2.165

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Defense Security Cooperation Agency			<b>DATE:</b> February 2011		
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0605127T: <i>Regional International Outreach (RIO) - Partnership for Peace Information Management System (PIMS)</i>		<b>PROJECT</b> 000000: <i>Regional International Outreach - Partnership for Peace Information Management Systems</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>			<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
<p><b><i>FY 2010 Accomplishments:</i></b>  Completed the development effort to federate multiple portals – allowing users to search across sites (i.e. each individual Regional Center web site with different URLs) that are federated with single sign-on (allows an international participant to go from one password-protected website to another seamlessly). Completed the developmental testing and two technical evaluations of the next RIO-PIMS release. Operational testing completed in December 2009. Began the process of performing audience research to validate the requirements given and develop end user personas.</p> <p>Continued developing the Capabilities Development Document (CDD) and created and briefed the package for the Building Partnerships Functional Control Board Working Group (BPFCBWG) for endorsement. BPFCBWG recommended endorsing the CDD with the deficiencies being covered in the pending Capabilities Production Document (CPD) to be completed next FY with the new integrator and new architecture. Continued research of NATO interoperable technology that integrates with Office of the Under Secretary of Defense (OUSD)-initiatives for information sharing and extends the technology to partner nations. Continued to expand operational capabilities in order to enhance the interoperability of PnP personnel in building capacity and operations. Continued to upgrade the RIO-PIMS sites with new software development releases. Continued efforts to integrate additional DoD educational organizations into RIO-PIMS.</p> <p>Started preparatory process for FY 2011 recertification of security accreditation process. Began developing the integration plan and effort to federate the Regional Centers information systems. Began the planning for and integration of the Regional Center personnel and activity system with RIO and the Defense Security Assistance Management System (DSAMS) to ensure accurate data across the DoD security cooperation information spectrum. Began the development of multimedia content annotation capabilities to enable effective discovery of and rich collaboration around image, audio, and video materials.</p>					
<p><b><i>FY 2011 Plans:</i></b>  Implement the federation capability to share users and information across multiple portals. Complete the Capabilities Production Document (CPD); and Information Support Plan (ISP) required for Joint Capabilities Integration and Development System (JCIDS) process. Update security accreditation package to reflect newly integrated educational organizations in order to maintain Mission Assurance Category (MAC) Level 3, Common Criteria Evaluation Assurance Level-2, (EAL) and Federal Information Process Standards (FIPS) Security Level 2; and continue the preparation for the 2011 security accreditation recertification. Conduct developmental and operational testing of latest software release. Release latest validated software version into production. Complete development of the integration plan and effort to federate the Regional Centers information systems. Complete the development and integration of the Regional Center personnel and activity system with RIO and the Defense Security Assistance Management System (DSAMS) to ensure accurate data across the information spectrum.</p>					

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Defense Security Cooperation Agency		DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0605127T: Regional International Outreach (RIO) - Partnership for Peace Information Management System (PIMS)	PROJECT 000000: Regional International Outreach - Partnership for Peace Information Management Systems		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011	FY 2012
<p>Continue to upgrade the federated RIO-PIMS sites with new software development releases. Continue to integrate additional DoD educational organizations into RIO-PIMS. Improve the platform's capabilities focused on managing large data sets by developing and integrating rich interactive statistical analysis and visualization tools. Utilize visualization to assist with management of user-generated data, such as surveys and polls, as well as with tracking of information sharing and collaboration trends, social network dynamics, and content exchange across domain boundaries. Begin the integration of exercise and scenario-based workflow processes into the RIO-PIMS system. Begin development of direct data exchange links with relevant information systems to remove the technical limitations to information sharing across PfP nations. Begin development of expertise and social connections analysis and modeling based on a combination of natural language analysis tools, domain-specific language support, and statistical and behavioral metrics. Move all of the operational software and data from Network Operations Centers (NOC) in Stuttgart to a NOC in Ashburn, VA to save costs and increase speed for end users.</p> <p>Finalize the audience research, develop use cases, develop new interfaces, architect and engineer the platform. In addition, work with the Regional Center Person Activity Management System (RCPAMS) to ensure data interoperability and transfer providing Regional Centers with an end-to-end data transfer capability from DSAMS to RIO-PIMS.</p> <p><b>FY 2012 Plans:</b> Complete 2011 recertification of security accreditation process that also reflects the new and updated software capabilities as well newly integrated educational organizations. Conduct developmental and operational testing of latest software release. Release latest validated software release into production. Continue the development of expertise and social connections analysis and modeling based on a combination of natural language analysis tools, domain-specific language support, and statistical and behavioral metrics. Continue the integration of exercise and scenario-based workflow processes into the RIO-PIMS system.</p> <p>Continue the development of direct data exchange links with relevant information systems to remove the technical limitations to information sharing across PfP nations. Continue to upgrade the federated RIO-PIMS sites with new software development releases. Continue to integrate additional DoD educational organizations into RIO-PIMS. Continue to improve the platform's capabilities focused on managing large data sets by developing and integrating rich interactive statistical analysis and visualization tools. Continue to utilize visualization to assist with management of user-generated data, such as surveys and polls, as well as with tracking of information sharing and collaboration trends, social network dynamics, and content exchange across domain boundaries. Begin the development effort to integrate identified partner country collaborative sites.</p>				
Accomplishments/Planned Programs Subtotals		1.974	2.139	2.165

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Defense Security Cooperation Agency		<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605127T: <i>Regional International Outreach (RIO) - Partnership for Peace Information Management System (PIMS)</i>	<b>PROJECT</b> 000000: <i>Regional International Outreach - Partnership for Peace Information Management Systems</i>

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

N/A

**D. Acquisition Strategy**

RIO-PIMS employs a spiral acquisition strategy to ensure a well-defined model for each institution/community that can be exported globally. The program uses a regional approach to ensure sustainable, leave-behind technology and information sharing procedures. By partnering with other U.S. Government agencies, existing assets are leveraged to preserve U.S. investments, avoid duplication of effort between agencies, and offer economically prudent solutions to improve information sharing and achieve U.S. security cooperation goals.

**E. Performance Metrics**

RIO-PIMS project performance is measured in several methods: the successful meeting of stated performance objectives in the statement of work, and meeting target dates in the project management plan; via a combination of statistics including the number of trouble tickets generated on the development site, operational user feedback on development site usability, and design; and the system's performance during developmental and operational testing.

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2012 Defense Security Cooperation Agency			<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605127T: <i>Regional International Outreach (RIO) - Partnership for Peace Information Management System (PIMS)</i>	<b>PROJECT</b> 000000: <i>Regional International Outreach - Partnership for Peace Information Management Systems</i>	

	FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Integration Contract																												
Program Master Plan (PMP) (Annual Updates)																												
Research and Define User Experience Requirements (Annual Updates)																												
Produce Interface Design (Annual Review)																												
Implement Interface Design (Annual Update)																												
Design Technical Architecture (Annual Update)																												
Migrate Software from Stuttgart, Germany to Alternate ISP																												
Develop Operational Test Plan (OTP) (Annual Update)																												
Deploy System to Test Servers (Annual Update)																												
Execute OTP (Annual Update)																												
Deploy System and Train Users (Annual Update)																												
Develop Certification and Accreditation (C&A) Paperwork ( Annual Update)																												
Develop JCIDS Capability Production Document (CPD)																												
Review Operational Requirements (Annual Update)																												
Develop DSAMS Interface																												
Update Software for Core and patch Release (Annual Update)																												

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**Exhibit R-4, RDT&E Schedule Profile: PB 2012 Defense Security Cooperation Agency**

**DATE:** February 2011

**APPROPRIATION/BUDGET ACTIVITY**

0400: Research, Development, Test & Evaluation, Defense-Wide  
BA 7: Operational Systems Development

## R-1 ITEM NOMENCLATURE

PE 0605127T: *Regional International Outreach (RIO) - Partnership for Peace Information Management System (PIMS)*

## PROJECT

000000: *Regional International Outreach -  
Partnership for Peace Information Management  
Systems*

[illegible]

## Review and Alter Technical Architecture

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2012 Defense Security Cooperation Agency			<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0605127T: <i>Regional International Outreach (RIO) - Partnership for Peace Information Management System (PIMS)</i>	<b>PROJECT</b> 000000: <i>Regional International Outreach - Partnership for Peace Information Management Systems</i>	

**Schedule Details**

<b>Events</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
Integration Contract	4	2010	4	2016
Program Master Plan (PMP) (Annual Updates)	4	2010	4	2016
Research and Define User Experience Requirements (Annual Updates)	4	2010	4	2016
Produce Interface Design (Annual Review)	1	2011	1	2016
Implement Interface Design (Annual Update)	2	2011	2	2016
Design Technical Architecture (Annual Update)	1	2011	1	2016
Migrate Software from Stuttgart, Germany to Alternate ISP	1	2011	1	2011
Develop Operational Test Plan (OTP) (Annual Update)	2	2011	3	2016
Deploy System to Test Servers (Annual Update)	3	2010	3	2016
Execute OTP (Annual Update)	3	2010	3	2016
Deploy System and Train Users (Annual Update)	4	2011	4	2016
Develop Certification and Accreditation (C&A) Paperwork ( Annual Update)	1	2012	3	2016
Develop JCIDS Capability Production Document (CPD)	1	2012	4	2012
Review Operational Requirements (Annual Update)	1	2012	2	2016
Develop DSAMS Interface	2	2010	3	2012
Update Software for Core and patch Release (Annual Update)	3	2012	3	2016
Review and Alter Technical Architecture	2	2012	3	2014

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