Defense Security Cooperation Agency

Fiscal Year 2007 Budget Estimates

February 2006

Research, Development, Test and Evaluation, Defense-Wide

Fiscal Year (FY) FY 2007 Budget Estimates

Defense Security Cooperation Agency

(DSCA)

Research Development Test & Evaluation, Defense-Wide (RDT&E)

February 2006

APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE		DATE: FEBRUARY 2006			
RDT&E, Defense Wide, Budget Activity 7, Operational Systems Development		PE 0605127T: Partnership for Peace (PfP) Information Management System					
COST (In Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Partnership for Peace Information Management System (PIMS)	1.899	1.874	2.160	1.000	1.000	1.000	1.000	1.000

A. Mission Description and Budget Item Justification:

The Partnership for Peace Information Management System (PIMS) is a Department of Defense (DoD) leadership project supporting enhanced defense cooperation, bilaterally and multilaterally, to improve regional stability and security, reduce the risk of conflict, focus on the Global War on Terrorism, and build partner capacity in support of transformation--all in accordance with US policy and to US benefit. Based on priority requirements, the PIMS has established a common, dedicated information infrastructure that has given allies and Partner countries the ability to access and exchange information critical to the cooperative growth activities underpinning the spirit of the Partnership for Peace (PfP). The system substantially supports exercises, conferences, exchanges, and workshops. PIMS is part of the NATO Enlargement Facilitation Act of 1996 and implements the Congressional endorsement for the modernization of Defense capabilities in eligible PfP countries relative to the telecommunications infrastructures.

B. Accomplishments/Planned Program

FY 2005 Accomplishments: Database development in support of OSD and Joint Staff policy objectives tailored to PfP mission enhancement (i.e. GWOT, Peacekeeping Operations (PKO), Civil-Military Emergency Planning (CMEP), Professional Military Education (PME), Mobile Military Medical Curriculum development and Exercises). Research, testing, and evaluation of technology to enhance NATO interoperability, specifically to address operating procedures for security, authentication, and data sharing.

FY2006 Plans: A knowledge management system is proposed to focus on content co-development with all PfP activities, to be centered on cooperative topics of interest (eg. GWOT, PKO, CMEP, PME, Medical development, etc.). Program is planning to perform research, testing, evaluation, and integration of Automated Information System (AIS) security guards, filters, firewalls, internet security, and anti-virus guards to enhance bilateral and NATO interoperability and technologies; implement Virtual Private Network (VPN) to secure PIMS links into a public network; use Public Key Infrastructure (PKI) to secure and authenticate access to the PIMS architecture; support incorporation of the Defense Message System and other NII, J-6, and DISA policy-driven improvements to the

Defense Information Infrastructure. Future plans include integration of "tunneling" technologies to support future US and allied classified information sharing.

FY2007 Plans: Continue spiral development and integration of proven commercial technology into PIMS configuration, enhancing user capabilities. Plan is to baseline the PIMS configuration and begin sustainment of technologies. System enhancements include support of Emergency Planning which leverage new communications technologies, wireless applications, hand-held electronic devices (cameras, electronic mail, electronic notebook) and software to maximize PIMS accessibility, flexibility, and utility in support of increased US DOD processing requirements for preparedness in coalition operations (simulation, tools, exercise support, and interactive training). System enhancements to the Storage Area Network (SAN) for the PfP hub are planned to accommodate the expanding PIMS capabilities provide the PIMS infrastructure with greater efficiency, manageability, scalability, and to link network hosts to multiple storage devices for data sharing among PIMS users.

C. Other Program Funding Summary: (N/A)

D. Acquisition Strategy

(U) The program employs a spiral technology development and implementation strategy to ensure a well-defined model for each of the developmental projects that can be exported into any geographic location. The program uses a regional approach. Each project is treated as an individual acquisition; its scope and content are the result of national and regional assessments of partner capabilities and US, NATO and partner requirements. These evaluations include a description of local infrastructure (IT, electric, facilities, etc.). By partnering with other USG agencies, existing assets are leveraged to preserve US investments, avoid duplication of effort between agencies, and offer economically prudent solutions to improve information sharing and achieve US Security Cooperation goals.

E. Major Performers: US Navy Space and Warfare Command (SPAWAR) Europe, Marshall Center Consortium

APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE					
RDT&E, Defense Wide, Budget Activity 7, Operational Systems Development		PE: 0605127T: Partnership for Peace (PfP) Information Management System (PIMS)					
	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
COST (In Millions)								
Regional International Outreach Program (RIO)	3.922	4.985	3.420	0.521	0.522	0.522	0.522	0.523

A. Mission Description and Budget Item Justification:

Regional International Outreach (RIO) is an Office of the Secretary of Defense (OSD) initiative to develop and field a common information technology application to improve international outreach efforts and to strengthen collaboration among the Regional Centers for Security Studies, OSD(Policy), and other DoD educational institutions as designated by OUSD (P). The outreach and collaboration efforts are directly tied to one of the key goals in the war on terrorism---countering ideological support for terrorism. This RDT&E program will enable educators and students, and other end users to share information, collaborate on projects, and improve administrative activities by allowing the Regional Centers to share information in an enhanced method with OSD, the Combatant Commanders, and Headquarters DSCA. DSCA oversees and is responsible for execution of the RIO program, which addresses defense, interagency and international requirements to share information and data.

B. Accomplishments/Planned Program:

FY 2005 Accomplishments: Collected and analyzed Regional Center, OSD and DSCA requirements leading to coordination of a spiral development plan for RIO fielding. Performed comparative analysis of two alternative approaches for development of the RIO Program, based upon user evaluation and a technical examination. Created the requirements documentation for the program. Demonstrated RIO program capabilities in live field test. Completed and fielded RIO Collaboration Suite Spiral #1.

FY 2006 Plans: Conduct user validation and testing of Spiral #1. Continue to validate and refine requirements with Regional Centers, OSD and DSCA. Continue beta testing of Spiral #1, to include two planned beta upgrades. Begin security accreditation process to obtain Mission Assurance Category (MAC) Level 3, Common Criteria EAL-2, and Federal Information Process Standards (FIPS) Security Level 2. Continue development and release Spiral #2 of the RIO Collaboration Suite. Develop and begin conducting user validation and testing of Spiral #2. Complete the Capabilities Development Document (CDD) and Capabilities Production Document

(CPD) required for Joint Capabilities Integration and Development System (JCIDS) process. Begin development of Spiral #3 of the RIO Collaboration Suite.

FY 2007 Plans: Continue conduct of user validation and testing of Spiral #2. Continue beta testing of Spiral #2. Complete security accreditation process started in FY 2006. Release Spiral #3 of RIO Collaboration Suite. Compile additional requirements from validations, and incorporate into planned upgrades. Begin user validation and testing of Spiral #3.

C. Other Program Funding Summary: N/A

D. Acquisition Strategy: N/A

E. Major Performers: US Navy Space and Warfare Command (SPAWAR), Naval Post Graduate School and the National Defense University.

RDT&E BUDGET JUSTIFICATION SHEET (R-2 Exhibit)		DATE					
APPROPRIATION/BUDGET ACTIVITY **RDT&E, Defense Wide, Budget Activity 7**		**R-2 ITEM NOMENCLATURE** **PE 0605127T**		FEBRUARY 2006				
COST (In Millions)	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Total Program Element (PE) Cost	5.821	6.859	5.580	1.521	1.522	1.522	1.522	1.523
Partnership for Peace Information Management System (PIMS)	1.899	1.874	2.160	1.000	1.000	1.000	1.000	1.000
Regional International Outreach Program (RIO)	3.922	4.985	3.420	.521	.522	.522	.522	.523

Mission Description:

The Partnership for Peace Information Management System (PIMS) is a Department of Defense (DoD) leadership project supporting enhanced defense cooperation, bilaterally and multilaterally, to improve regional stability and security, reduce the risk of conflict, focus on the Global War on Terrorism, and build partner capacity in support of transformation---all in accordance with US policy and to US benefit. Based on priority requirements, the PIMS has established a common, dedicated information infrastructure that has given allies and Partner countries the ability to access and exchange information critical to the cooperative growth activities underpinning the spirit of the Partnership for Peace (PfP) program. The system substantially supports exercises, conferences, exchanges, and workshops. PIMS is part of the NATO Enlargement Facilitation Act of 1996 and implements the Congressional endorsement for the modernization of Defense capabilities in eligible PfP countries relative to the telecommunications infrastructures.

PIMS supports PfP preparation for future coalition initiatives by developing a full range of databases, knowledge management, and advanced information technology (IT) applications to support the practical aspects of US and NATO-approved PfP cooperative activities. In addition, special capabilities, such as mapping and imagery, multinational digitized imagery, and data derived from remote sensing technologies, must also be supported by PIMS if it is to provide the requisite mission support services necessary to achieve the interoperability/integration goals outlined in Joint Vision 2020 for working in concert with allied and coalition forces. R&D funding is critical to the development of system enhancements necessary to support the proposal for building an improved PfP education and training framework. The plan envisions PIMS providing research and development in support of an electronically enriched education environment via a Consortium of Defense Academies and Security Institutes; an exercise simulation network; and a

cooperative network of nationally sponsored PfP training centers. Other senior DoD directed initiatives include an electronic crisis information exchange capability among the countries of Southeastern Europe. Growth of this sub-regional network is contingent upon project developmental efforts necessary to support a successful multinational crisis response and infrastructure repair coordination tool. Finally, R&D funds are requested for PIMS technical developmental efforts associated with the DoD Global Information Grid (GIG) interoperability initiatives, conformance with the Clinger-Cohen Act, and expansion in the transformation of security cooperation via information technology.

Regional International Outreach (RIO) is an Office of the Secretary of Defense (OSD) initiative to develop and field a common information technology application to improve international outreach efforts and to strengthen collaboration among the Regional Centers for Security Studies, OSD(Policy), and other DoD educational institutions as designated by OUSD (P). The outreach and collaboration efforts are directly tied to one of the key goals in the war on terrorism—countering ideological support for terrorism. This RDT&E program will enable educators and students to share information, collaborate on projects, and improve administrative activities by allowing the Regional Centers to share information in an enhanced method with OSD, the Combatant Commanders, and Headquarters DSCA. The program is implemented by designated US agencies on a regional basis and worldwide in collaboration with foreign nations and international organizations. DSCA oversees and is responsible for execution of the RIO program, which addresses defense, interagency and international requirements to share information and data.

RDT&E BUDGET JUSTIFICATION SHEET (R-2 Exhibit)		DATE
		FEBRUARY 2006
APPROPRIATION/BUDGET ACTIVITY RDT&E, Defense Wide, Budget Activity 7	R-2 ITEM NOMENCLATURE PE 0605127T	

Program Change Summary: (In Millions)

	FY 2004	FY 2005	FY 2006	FY 2007
Previous President's Budget	5.840	6.864	5.660	5.688
Current President's Budget	5.821	6.859	5.580	1.521
Total Adjustments				
Congressional rescissions				
Congressional increases				
Congressional decreases			-24	
Reprogrammings/Realignments		-5		-4.167

Change Summary Explanation:

The $1.521 million requested in RDT&E in FY 2007 is the amount required to continue the R&D spiral development efforts for the Partnership for Peace Information Management System (PIMS) and Regional International Outreach (RIO) Programs.

Of the $4.167 million realigned to Operation and Maintenance, Defense-Wide (O&M, D-W), $1.500 million is required for RIO sustainment efforts. The remaining $2.667 million is required for operational needs associated with the functional transfer of the five Regional Centers for Securities Studies to DSCA, effective October 1, 2005.