

Subject: High Priority Reprogramming		DoD Serial Number: FY 07-26 PA
Appropriation Title: Various Appropriations		Includes Transfer? Yes

Component Serial Number:	(Amounts in Thousands of Dollars)							
	Program Base Reflecting Congressional Action		Program Previously Approved by Sec Def		Reprogramming Action		Revised Program	
Line Item	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
a	b	c	d	e	f	g	h	i

This reprogramming action is submitted for prior approval because it uses general transfer authority pursuant to section 8005 of Public Law 109-148, the Department of Defense Appropriations Act, 2006; and section 1001 of Public Law 109-163, the National Defense Authorization Act for Fiscal Year (FY) 2006. This action transfers \$83.9 million from the Research, Development, Test, and Evaluation, Defense-Wide, 06/07, appropriation to the Research, Development, Test, and Evaluation, Army, 06/07 (\$74.8 million) and Research, Development, Test, and Evaluation, Navy, 06/07, (\$9.1million) appropriations and realigns \$11.1 million within the Research, Development, Test, and Evaluation, Defense-Wide, 06/07, appropriation. These actions reprogram funding in support of higher priority items, based on unforeseen military requirements, than those for which originally appropriated; and are determined to be necessary in the national interest. They meet all administrative and legal requirements and none of the items has previously been denied by the Congress.

**FY 2006 REPROGRAMMING INCREASES:**

**+95,000    +83,900**

**Research, Development, Test, and Evaluation, Army, 06/07**

**+74,800**

**Budget Activity 3: Advanced Technology Development**

PE 0603100A IED Defeat Technology Development

**+46,500**

**46,500**

**Explanation:** Funds are urgently required to begin to fill current requirements for the Joint Improvised Explosive Device Defeat Organization (JIEDDO) initiatives. In the Defeat the Device Line of Operation, the Neutralize tenet provides systems that directly address the emplaced Improvised Explosive Device (IED). Funding will provide for the development of one mobile, ruggedized vehicle-mounted system in twelve months for testing and operational assessment. In the Attack the Network Line of Operation, the Prevent and Predict tenet has an initiative; Next-Generation Pathfinder II. This is a classified program. Further description of this project may be sought at a higher classification level. This is a **new start**.

Approved (Signature and Date)

JUL 10 2007

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**Budget Activity 7: Operational Systems Development**

PE 0303140A Information Systems Security Program

25,751	44,831	+28,300	73,131
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**Explanation:** Funding is required to develop watchlist integration and improve theater architecture efficiency in U.S. Central Command Area of Responsibility. Watchlist integration will provide commanders the capability to tailor watchlists and be-on-the-lookout (BOLO) lists to battalion level; capability to segment populations of interests by location, name, status, or other characterization and permissions. An end-to-end analysis team will complete study to determine way ahead to improve theater architecture and ensure sustainability. Interoperability between Biometrics Identification Access, Biometric Automated Toolset and Defense Biometrics Identification System will be investigated for improvement opportunities. Navy will develop a prototype deployable forensics lab to enhance forensics capability. In addition, U.S. Joint Forces Command will conduct a full up Capabilities Based Assessment (CBA) as a follow-on to the Quick Look CBA for Joint Capabilities Integration and Development System (JCIDS) Validation.

**Research, Development, Test, and Evaluation, Navy, 06/07** **+9,100****Budget Activity 4: Demonstration and Validation**

PE 0603739N Navy Logistic Productivity

23,706	19,863	+9,100	28,963
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**Explanation:** As an integral part of ongoing efforts to develop a Single Integrated Air Picture (SIAP), the DoD has been developing software-based capabilities under the Cooperative Engagement Capability (CEC) (Navy) Program and the SIAP Program (DoD) to support improved situation awareness and joint weapons-quality sensor netting. A commercial product has become available that could provide similar capabilities. These funds will be used to purchase a DoD-wide site license that will be used for experimentation to determine if the underlying technologies and algorithms can be incorporated into the existing SIAP efforts as part of the best-of-breed technology migration process and allow the Services to use the Tactical Component Network (TCN) product from Raytheon/Solipsys as an off-the-shelf program to be installed into weapons systems.

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**Research, Development, Test, and Evaluation, Defense-Wide, 06/07 +11,100**

**Budget Activity 2: Applied Research**

PE 0602234D8Z Lincoln Laboratory Research Program

29,914 29,744 +10,000 39,744

Explanation: The funds are being reprogrammed to the Director Research and Engineering Lincoln Laboratory Research Program and will be used to evaluate the potential programmatic options for high precision navigation and timing in both a clear and jammed environment; notionally this experiment will be to evaluate programmatic and augmenting options in conjunction with existing and planned GPS constellations. The objective of this project is to demonstrate the use of low earth orbit space systems to improve the resistance to jamming as well as improve the precision of the existing GPS navigation capability. This experiment leverages existing or planned communication satellites, such as the existing Low Earth Orbit satellite constellation Iridium to provide a global enhancement to the current GPS navigation capability. The time urgency for this project is to demonstrate options prior to budget decisions for FY 2010. The key elements under this project include: (1) quantifying anti-jam performance in moving vehicle tests using brassboard hardware, (2) measuring precision location capabilities in jamming environment, (3) demonstrating long base-line time transfer, 4) demonstrating ephemeris store & broadcast, and (5) demonstrating sub-decimeter position accuracy.

**HASC and SASC denied**

**Budget Activity 3: Advanced Technology Development**

PE 0603750D8Z Advanced Concept Technology Demonstration

173,049 168,755 +1,100 169,855

Explanation: The ARGUS Study, Phase 3 will complete the third of three phases of an assessment of reutilization of Sandia National Laboratories (SNL) developed Overhead Non-Imaging Infrared (ONIR) systems toward a short-schedule alternative to a potential launch failure in Defense Satellite Program (DSP) 23 or acquisition or development delays in Space Based Infra Red System Geo Spatial Fixed Orbit (SBIRS GEO) 2-3 that could result in a gap in global missile warning coverage. This third study phase will complete a technical and programmatic assessment of risk, cost and schedule of providing a viable alternative by the anticipated June 2012 launch need date. As an outcome of the third phase, Sandia National Laboratories, working with Johns Hopkins University Applied Physics Laboratory and SciTec Inc. will provide definitive estimates of performance, cost, schedule and risk areas for comparison against missile warning gap profiles, current risk tolerance, and anticipated funds availability.

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<b><u>HASC denied</u></b>									
<b><u>FY 2006 REPROGRAMMING DECREASES:</u></b>						<b><u>-95,000</u></b>	<b><u>-83,900</u></b>		
<b><u>Research, Development, Test, and Evaluation, Defense-Wide, 06/07</u></b>						<b><u>-95,000</u></b>	<b><u>-83,900</u></b>		
<u>Budget Activity 1: Basic Research</u>									
PE 0601101E Defense Research Sciences									
		135,240		127,893		-5,000		122,893	
<u>Explanation:</u> Funds are available from rephasing of the Real World Reasoning Phase II program from FY 2006 to FY 2007.									
<u>Budget Activity 2: Applied Research</u>									
PE 0602383E Biological Warfare Defense									
		150,254		132,814		-5,000		127,814	
<u>Explanation:</u> <del>Funds are available from rephasing a portion of the Mission Adaptable Chemical Sensors (MACS) program from FY 2006 to FY 2007.</del>									
<b><u>OUS(D) Adjusted</u></b>									
PE 0602702E Tactical Technology									
		352,962		336,810		-10,000		326,810	
<u>Explanation:</u> These funds are available due to technical delays in the High Power Fiber Lasers Program and cancellation of the Fast Boat Program.									
PE 0602715E Materials and Biological Technology									
		292,938		271,356		-10,000		261,356	
						-3,900		267,456	
<u>Explanation:</u> Funds are available following the cancellation of the Sonofusion program and restructuring of the Trauma Pod program from FY 2006 to FY 2007.									
<b><u>OUS(D) Adjusted</u></b>									



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Budget Activity 3: Advanced Technology Development

PE 0603768E Guidance Technology

103,272

87,989

**-14,000**

73,989

Explanation: Funds are available following the cancellation of the Advanced Gyroscopes program, rephasing of the MEDUSA program and cancellation of a classified effort in GT-CLS