	ARMY RDT&E BUDGET ITEM JUSTIFIC	ATION	(R2 E	xhibit)		Fe	ebruary 2	2005	
	vanced technology development	e number 0603125 <i>I</i> Developr	A - Comb	ating Te	rrorism,	Technol	logy		
	COST (In Thousands)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate
	Total Program Element (PE) Cost	8480	8034	6306	7399	7997	8169	8167	7656
DF1	SURVIVABILITY & DENIAL	4783	3241	0	0	0	0	0	0
DF2	DETERRENCE, INDICATION & WARNINGS	1751	0	0	0	0	0	0	0
DF3	CONSEQUENCE MANAGEMENT & RECOVERY	1946	4793	0	0	0	0	0	0
DF5	AGILE INTEGRATION & DEMONSTRATION	0	0	6306	7399	7997	8169	8167	7656

A. Mission Description and Budget Item Justification: The objective of this program element is to mature and demonstrate advanced survivability engineering technologies against asymmetric threats in support of the Future Force and, where feasible, exploit opportunities to enhance Current Force. This PE also funds efforts to accelerate technologies with high payoff to address current operational shortfalls and assist deliveries of Future Force oriented projects into current operations capabilities. Base Camp Protection, Project DF1, demonstrates a survivability planning capability and lightweight low-cost blast/ballistic protective measures. This will increase base camp survivability of personnel and equipment against advanced conventional weapons and terrorist threats, reduce logistics requirements, and enhance the capability of the Future Force in low-intensity conflicts and peacekeeping operations. Projects DF2 and DF3 fund congressional special interest items. Agile Integration and Demonstration, Project DF5, funds critical technology acceleration efforts of selected high-payoff technologies emerging from work in other PEs that have potential to fill emerging capability gaps requiring immediate action. The cited work is consistent with Strategic Planning Guidance, Army Science and Technology Master Plan (ASTMP), the Army Modernization Plan, and the Defense Technology Area Plan (DTAP). Work in this PE is performed by the U.S. Army Engineer Research and Development Center headquartered at Vicksburg, Mississippi and Research Development and Engineering Command (RDECOM), Ft. Belvoir, Virginia.

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit) BUDGET ACTIVITY 3 - Advanced technology development PE NUMBER AND TITLE 0603125A - Combating Terrorism, Technology Development for

B. Program Change Summary	FY 2005	FY 2006	FY 2007
Previous President's Budget (FY 2005)	3383	0	0
Current Budget (FY 2006/2007 PB)	8034	6306	7399
Total Adjustments	4651	6306	7399
Net of Program/Database Changes			
Congressional Program Reductions	-118		
Congressional Rescissions			
Congressional Increases	5000		
Reprogrammings			
SBIR/STTR Transfer	-231		
Adjustments to Budget Years		6306	7399

Change Summary Explanation:

FY06 - Increased funding (\$6306K) funds new project DF5, Agile Integration, Demonstration, & Experimentation (AIDE) program to accelerate technologies with high payoff to address current operational shortfalls and assists accelerated delivery of Future Force oriented projects to current operations.

FY07 - Increased funding (\$7399K) funds new project DF5, Agile Integration, Demonstration, & Experimentation (AIDE) program to accelerate technologies with high payoff to address current operational shortfalls and assists accelerated delivery of Future Force oriented projects to current operations.

One FY05 Congressional add totaling \$5000 was added to this PE.

FY05 Congressional add with no R-2A:

(\$4795) Advanced Mobile Micro Grid Program, Project DF3. The purpose of this one year Congressional add is to fund research on an advanced mobile micro grid program. No additional funds are required to complete this project.

ARMY RDT&E BUDGET ITEM JUSTIFIC	ATION	(R2 a l	Exhibit	t)	Fe	ebruary 2	2005	
3 - Advanced technology development	PE NUMBER 0603125 <i>I</i> Developr	A - Comb		rrorism,	Technol	ogy	PROJECT DF5	
COST (In Thousands)	FY 2004 Actual	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate
DF5 AGILE INTEGRATION & DEMONSTRATION	0	0	6306	7399	7997	8169	8167	7656

A. Mission Description and Budget Item Justification: This project focuses on exploiting maturing technology development efforts at The Army Research Laboratory (ARL) and Research Development and Engineering Centers (RDECs) to address emerging or already identified warfighter requirements. This project would identify and work with Labs and RDECs to address the critical maturation issues necessary to make identified technologies viable candidates for transition to an operational environment. Short term maturation could include, but is not limited to, accelerating the technology development schedule and/or performing detailed safety & validation tests in a field/operational environment testing to improve technology readiness. While not limited to this area, a major effort under this project supports the accelerated maturation of counter IED capabilities (detection, surveillance of deployment and disruption / destruction of threat) for transition into an operational environment. The cited work is consistent with Strategic Planning Guidance, the Army Science and Technology Master Plan, the Army Modernization Plan, and the Defense Technology Area Plan. Work in this project is managed by the US Army Research, Development and Engineering Command, Ft. Belvoir, Virginia.

BUDGET ACTIVITY 3 - Advanced technology development	PE NUMBER AND TITLE 0603125A - Combating Terroris Development for	m, Tech	February 2005 PROJECT , Technology DF5				
Accomplishments/Planned Program Agile Integration and Demonstration Efforts - In FY06, in conjunction with the and Doctrine Command, will identify emerging requirements and capability gorioritize potential solutions and mature technology efforts that may have directly equires a short term (4 to 18 months) maturation prior to becoming a reason expected development efforts include tagging, tracking and surveillance technology efforts that may have directly the launch point of threats and IED events; mature and validate track prerationally relevant environment, and evaluate sensor to platform integrate argets from increased distances; miniaturize existing sensors; and validate	gaps, assess technologies that fill capability gaps, rect impact on emerging warfighters needs that enable candidate for transition to operational use. chnologies to provide "backtrack" capability to help cking algorithms through evaluations in an tion. In FY07, will refine response time to pick-up	FY 2004 0	FY 2005 0	FY 2006 6306	FY 2007 7399		
Totals		0	0	6306	7399		