ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)	February 2006

BUDGET ACTIVITY 6 - Management support	PE NUMBER AND TITLE 0604256A - THREAT SIMULATOR DEVELOPMENT	PROJECT 976

COST (In Thousands)	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate
976 ARMY THREAT SIM (ATS)	32292	28878	21180	22162	21730	22469	17238

A. Mission Description and Budget Item Justification: This program supports the design, development, acquisition, integration and fielding of realistic mobile threat simulators and realistic threat simulation products utilized in Army training and developmental and operational tests. While this project originally funded simulators representing Soviet equipment, the changing world order has expanded the scope of this program to address other world threats. Army Threat Simulator and Threat Simulation products are utilized to populate test battlefields for U.S. Army Test and Evaluation Command (ATEC), to conduct developmental and operational tests, and to support Program Executive Office (PEO) required user testing in System Integration Laboratories and hardware/simulation in-the-loop facilities. Army threat simulator and threat simulation products developed or fielded under this program support Army-wide, non-system specific threat product requirements. Each capability is pursued in concert and coordination with existing Army and tri-service capabilities to eliminate duplication of products and services, while providing the proper mix of resources needed to support Army testing and training. These battlefield simulators represent systems (e.g. missile systems, command, control and communications systems, electronic warfare systems, helicopters, etc.) that are used to portray a realistic threat environment during testing of U.S. weapon systems. Simulator development is responsive to Office of the Secretary of Defense and General Accounting Office guidance for the Army to conduct operational testing in a realistic threat environment. Actual threat equipment is acquired when appropriate (in lieu of development) and total package fielding is still required (i.e., instrumentation, operations and maintenance, manuals, new equipment training, etc.). Threat simulator development is accomplished under the auspices of the Project Manager for Instrumentation, Targets and Threat Simulators (PM ITTS) and the Director, Operational Test and Evaluation, Threat Simulator Investment Working Group.

Accomplishments/Planned Program	FY 2005	FY 2006	FY 2007
Develop Intelligence and Electronic Warfare scenario generation system for test scenario planning and execution.	7692	6806	6048
Develop product enhancements for XM11S simulator threat system.	4500	2800	451
Develop Network Exploitation Test Tool (NETT) (formerly known as Information Assurance Test Tool (IATT)).	1478	3036	2526
Validate threat simulators/simulations to ensure they are available for operational test.	400	0	0
Develop Advanced Electronic Order of Battle (AEOB) upgrade and develop mobile threat emitter system interoperable with threat scenario outputs.	991	1393	2118
Conduct Threat Systems Management Office Operations efforts.	5877	6270	6427
Develop Threat Intelligence and Electronic Warfare Environment to simulate Electronic Warfare capabilities.	1697	1965	2428
Continue development of radio frequency (RF) Surface-to-Air Missile (SAM) radar prototype.	6800	1000	0
Develop simulations of threat camouflage, concealment, deception and obscurants (CCD&O) techniques (formerly known as threat deception techniques).	1057	1108	1182
Developed Army Threat Signals Intel Program.	1800	0	0
Establish a Threat Systems Management satelite office for Townsend Electronic Combat Training Range to conduct threat scenarios.	0	1400	0
Establish a Threat Systems Management Office Operating Center - West to conduct threat scenarios.	0	2100	0

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Develop a Web Assured Response Protocol (WARP).	0	1000	0
Total	32292	28878	21180

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B. Program Change Summary	FY 2005	FY 2006	FY 2007
Previous President's Budget (FY 2006)	29694	23796	21151
Current BES/President's Budget (FY 2007)	32292	28878	21180
Total Adjustments	2598	5082	29
Congressional Program Reductions		-127	
Congressional Rescissions		-291	
Congressional Increases		5500	
Reprogrammings	2598		
SBIR/STTR Transfer			
Adjustments to Budget Years			29

FY2006 - Congressional Plus-Up ($5,500) - Townsend Electronic Combat Training Range ($1,400); Operating Center - West ($2,100); distributed RF/SAM ($1,000); and Web Assured Response Protocol (WARP)($1,000).