

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2007

BUDGET ACTIVITY 6 - Management support	PE NUMBER AND TITLE 0604256A - THREAT SIMULATOR DEVELOPMENT						PROJECT 976	
COST (In Thousands)	FY 2006 Actual	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate
976 ARMY THREAT SIM (ATS)	27598	23517	21887	21482	22259	17028	17407	17795

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.

<u>Accomplishments/Planned Program:</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
Develop Intelligence and Electronic Warfare scenario generation system for test scenario planning and execution.	6806	6000		
Develop product enhancements for XM11S simulator threat system.	2800	746		
Continue development of Network Exploitation Test Tool (NETT).	2966	2294	1119	1164
Develop Advanced Electronic Order of Battle (AEOB) upgrade and develop mobile threat emitter system interoperable with threat scenario outputs.	1393	2118	1919	
Conduct Threat Systems Management Office Operations efforts.	6270	6358	6739	6921
Develop Threat Intelligence and Electronic Warfare Environment to simulate Electronic Warfare capabilities.	1795	1877	2560	2753
Continue development of radio frequency (RF) Surface-to-Air Missile (SAM) radar prototype.	805	1300		
Develop simulations of threat camouflage, concealment, deception and obscurants (CCD&O) techniques (formerly known as threat deception techniques).	998	1092	1139	1502
Continue establishment of a Threat Systems Management satellite office for Townsend Electronic Combat Training Range to conduct threat scenarios.	1165	1300		
Established a Threat Systems Management Office Operating Center - West to conduct threat scenarios.	1795			
Developed a Web Assured Response Protocol (WARP).	805			

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Begins development of the functionality of the Threat Battle Command Center (TBCC) to support new threat systems/equipment.			3348	3757
Begin development of Signal Injection Jammer.			2063	1894
Begin development of location tracking capability of MCNI-TR.			1300	
Begin development of Threat Wireless Network Exploitation Test Tool (NETT).			1700	3491
Small Business Innovative Research/Small Business Technology Transfer Programs		432		
Total		27598	23517	21887

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<u>B. Program Change Summary</u>	FY 2006	FY 2007	FY 2008	FY 2009
Previous President's Budget (FY 2007)	28878	21180	22162	21730
Current BES/President's Budget (FY 2008/2009)	27598	23517	21887	21482
Total Adjustments	-1280	2337	-275	-248
Congressional Program Reductions		-90		
Congressional Rescissions				
Congressional Increases		2600		
Reprogrammings	-1280	-173		
SBIR/STTR Transfer				
Adjustments to Budget Years			-275	-248

FY 2006: Funding reprogrammed to higher priority requirements.
 FY 2007: Congressional Plus-Ups: Integration of Live and Virtual Threats Townsend Range - \$1,300; Integrated RF/SAM Threat Environment - \$1,300; funds reprogrammed to higher priorities.
 FY 2008/2009: Funds realigned to higher priority requirements.