

<b>ARMY RDT&amp;E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)</b>							<b>June 2001</b>			
BUDGET ACTIVITY <b>6 - MANAGEMENT SUPPORT</b>				PE NUMBER AND TITLE <b>0604256A - Threat Simulator Development</b>				PROJECT <b>976</b>		
COST (In Thousands)	FY 2000 Actual	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	Cost to Complete	Total Cost
976     ARMY THREAT SIM (ATS)	19239	20808	16011	0	0	0	0	0	0	0
<p><b><u>A. Mission Description and Budget Item Justification:</u></b></p> <p><b><u>PLEASE NOTE:</u></b> This administration has not addressed FY2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change.</p> <p>This program supports the design, development, integration and fielding of realistic mobile threat simulators and realistic threat simulation products utilized in Army training, developmental tests and operational tests. Army Threat Simulator and Threat Simulation products are utilized to populate test battlefields for US Army Test and Evaluation Command (ATEC)-conducted operational tests, and to support Program Executive Officer (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 requirements defined in the AMC chartered Threat Simulator and Simulation Program Plan (TSPP) and identified as nonsystem 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 US weapon systems. Simulator development is responsive to Office of the Secretary of Defense and General Accounting Office concerns that the Army conduct operational testing in a realistic threat environment. While this project originally funded simulators representing Soviet equipment, the changing world order has expanded the scope of this program to address Rest Of World (ROW) threats. Actual threat equipment is acquired when appropriate in lieu of development. Total package fielding will still be 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. These affiliations minimize any development duplication within the U.S. Army or Department of Defense (DoD). FY 2002 program continues the development of regimental elements of XMC3S for the Battle Management Network; continues the development of the XMAPS threat system; develops product improvements for the XM11S threat system; develops the Threat IR system; develops the Information Operations/Information Warfare (IO/IW) Threat system; completes instrumentation and fielding of the XM70A threat systems; and completes the development and instrumentation of the Threat Mines Simulator. This project supports the Legacy to Objective transition path of the Transformation Campaign Plan (TCP).</p> <p><b><u>FY 2000 Accomplishments</u></b></p> <ul style="list-style-type: none"> <li>•        1735        Initiated development of the Global Positioning System (XMGPS) receiver jammer.</li> <li>•        3336        Continued development of Distributed Electronic Warfare Simulation (XMDEWS) Advanced Land Combat System.</li> </ul>										

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**0604256A - Threat Simulator Development**

PROJECT

**976****FY 2000 Accomplishments (Continued)**

- 3546 Initiated instrumentation and fielding of XM70A threat systems.
- 2478 Continued development of regimental elements of XMC3S for the Battle Management Network.
- 482 Completed initial product improvement design for XM11S threat system.
- 257 Completed initial design for active protective system (XMAPS) threat system.
- 1205 Completed development of Advanced Distributed Electronic Warfare Simulation (XMADEWS).
- 1200 Completed initial design of Threat Mine Simulator.
- 3000 Completed initial design of Virtual Threat Simulator.
- 2000 Completed initial design of Threat EO/IR Simulator.

Total 19239

**FY 2001 Planned Program**

- 1694 Finalize development and fielding of XMGPS receiver jammer.
- 1828 Complete development of XMDEWS Advanced Land Combat System.
- 2869 Continue instrumentation and fielding of XM70A threat systems.
- 1296 Continue development of regimental elements of XMC3S for the Battle Management Network.
- 2806 Continue detailed design and development of XMAPS threat system.
- 2200 Develop Next Generation Anti-Tank Guided Missile Program (XMATGM).
- 2500 Develop Threat Mine Simulator.
- 2100 Develop Threat Information Operations Simulator.
- 3000 Develop Millimeter Wave Jammer threat simulator.
- 515 Small Business Innovative Research/Small Business Technology Transfer Program (SBIR/STTR).

Total 20808

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**976****FY 2002 Planned Program**

- 1192 Continue development of regimental elements of XMC3S for the Battle Management Network.
- 2115 Continue development of XMAPS threat system.
- 4187 Develop product improvements for XM11S threat system.
- 2385 Complete instrumentation and fielding of XM70A threat systems.
- 1203 Develop Threat IR system.
- 2544 Complete development and instrument Threat Mines Simulator.
- 2385 Develop Information Operations/Information Warfare (IO/IW) Threat system.

Total 16011

<b><u>B. Program Change Summary</u></b>	FY 2000	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2001 PB)	19683	13901	15929	0
Appropriated Value	19880	21001	0	0
Adjustments to Appropriated Value	0	0	0	0
a. Congressional General Reductions	0	0	0	0
b. SBIR / STTR	-444	0	0	0
c. Omnibus or Other Above Threshold Reductions	0	0	0	0
d. Below Threshold Reprogramming	-68	0	0	0
e. Rescissions	-129	-193	0	0
Adjustments to Budget Years Since FY2001 PB	0	0	82	0
Current Budget Submit (FY 2002/2003 PB )	19239	20808	16011	0