

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)								DATE February 1999		
BUDGET ACTIVITY 6 - Management and Support				PE NUMBER AND TITLE 0604256A Threat Simulator Development				PROJECT D976		
COST (In Thousands)	FY1998 Actual	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
D976 Army Threat Simulator Program	15501	12837	13680	13791	16024	16022	20691	21367	Continuing	Continuing
<p>A. Mission Description and Budget Item Justification: This program finances 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 Operational Test and Evaluation Command (OPTEC)-conducted operational tests, to support OPTEC oversight developmental testing, and 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 U.S. 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. Initially created to develop simulators of 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 CROSSBOW, which is administered by the Director for Test, Systems Engineering and Evaluation, Office of the Under Secretary of Defense (Acquisition and Technology). These affiliations eliminate any duplication within the U.S. Army or Department of Defense (DoD).</p> <p>FY 1998 Accomplishments:</p> <ul style="list-style-type: none"> • 1759 Completed development of XM15S Air Defense System. • 1767 Instrumented XM43A Air Defense System. • 1856 Completed development of Proof of Principle breadboard XM17S short-to-medium range SAM Air Defense System receiver processor chain. • 1702 Continued development of XMDEWS Advanced Land Combat System. • 3276 Completed main command center development of XMC3S. • 1451 Initiated development of Advanced Distributed Electronic Warfare Simulation (XMADEWS). • 3690 Developed and fielded Distributed Compatible Interactive Simulation Radar (Congressional plus-up). <p>Total 15501</p> <p>FY 1999 Planned Program:</p> <ul style="list-style-type: none"> • 2433 Continue development of regimental elements of XMC3S for the Battle Management Network. • 1782 Continue development of XMDEWS Advanced Land Combat Systems. 										
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FY 1999 Planned Program: (continued)		
•	1000 Develop Jamming Simulator for US Army Battle Laboratory (Congressional Plus-up).	
•	2754 Instrument the XM15A Air Defense System.	
•	1856 Instrument the second XM43A Air Defense System.	
•	2754 Continue development of Advanced Distributed Electronic Warfare Simulation (XMADEWS).	
•	258 Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs	
Total	12837	
FY 2000 Planned Program:		
•	1974 Develop Global Positioning System (XMGPS) receiver jammer.	
•	2904 Continue development of XMDEWS Advanced Land Combat System.	
•	2354 Initiate development of XM70A threat system.	
•	2877 Continue development of regimental elements of XMC3S for the Battle Management Network	
•	2454 Develop Preplanned Product Improvements for the XM15S Air Defense System.	
•	1117 Continue development of Advanced Distributed Electronic Warfare Simulation (XMADEWS).	
Total	13680	
FY 2001 Planned Program:		
•	2811 Complete development and fielding of XMGPS receiver jammer.	
•	1872 Complete development of XMDEWS Advanced Land Combat System.	
•	1317 Continue development and fielding of XM70A threat system.	
•	1572 Continue development of regimental elements of XMC3S for the Battle Management Network.	
•	3691 Initiate development of threat helicopter program.	
•	2528 Initiate development of XMAPS threat system.	
Total	13791	
<p>THREAT SIMULATOR Test Programs Supported: Aircraft (MH-47E) Follow On Operational Test II, MH-60K Aircraft, Aircraft (MH-60K) Follow On Operational Test II, RAH-66 Comanche EUTE, RAH-66 Comanche FDTE I, Suite of Integrated Radio Countermeasures (SIRFCM), Suite of Integrated Radio Countermeasures (SIIRCM), Unmanned Aerial Vehicle (UAV) - Payload, Force XXI Battle Command Brigade and Below, Army Airborne Command and Control, Army TACMS Block II/BAT, Bradley Fighting Vehicle-A3, Crusader FDTE, Extended Range MLRS, FAAD Block III, GPS in Joint Battle Space Environment, Guardrail/Common Sensor System II, Handheld Standoff Mine Field Detection System, IEW Tactical Proficiency Trainer, Joint Close Air Support HT&E, Joint Suppression of Enemy Air Defense (JSEAD), Land Warrior, Long Range Advanced Scout Surveillance System, Navigational Warfare Global Positioning System, OH-58D Kiowa Warrior, Patriot Advanced Capabilities PAC-3 Config-3, UH-60Q, Theater High Altitude Area Defense System.</p>		
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B. Program Change Summary	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget (FY 1999 PB)	16480	11935	14009	14309
Appropriated Value	17004	12935		
Adjustments to Appropriated Value				
a. Congressional General Reductions	-524	-98		
b. SBIR / STTR	-346			
c. Omnibus or Other Above Threshold Reduction	-114			
d. Below Threshold Reprogramming	-519			
e. Rescissions				
Adjustments to Budget Years Since FY 1999 PB			-329	-518
Current Budget Submit (FY 2000/2001 PB)	15501	12837	13680	13791

Change Summary Explanation: Funding – FY 1999 – Congressional add (+1000) for a jamming simulator for the Army Battle Lab.

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