

UNCLASSIFIED

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)	DATE February 2000
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BUDGET ACTIVITY 6 - Management and Support	PE NUMBER AND TITLE 0605601A Army Test Ranges and Facilities	PROJECT DF30
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COST (In Thousands)	FY1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY2005 Estimate	Cost to Complete	Total Cost
DF30 Army Test Ranges & Facilities	120024	146485	119657	116666	133737	139927	160833	Continuing	Continuing

A. Mission Description and Justification: Effective 1 October 1999, the US Army Operational Test and Evaluation Command (OPTEC) was redesignated as the US Army Test and Evaluation Command (ATEC). The three subordinate commands assigned to ATEC are: the Army Evaluation Center (AEC), the Operational Test Command (OTC) formerly the Test and Experimental Command (TEXCOM), and the Developmental Test Command (DTC) formerly the US Army Materiel Command's Test and Evaluation Command (TECOM). All functions and resources in this PE are managed by the Developmental Test Command.

Project DF30 provides the required test capability for DTC developmental testing of DoD materiel, weapons and weapons systems from concept through production within the acquisition cycle at three Major Range and Test Facility Bases: Yuma Proving Ground, AZ (to include management of Army natural environmental testing); Aberdeen Test Center, Aberdeen Proving Ground, MD; and White Sands Missile Range, NM (including the Electronic Proving Ground (EPG), Fort Huachuca, AZ). This program also provides the required developmental test capability at: Aviation Technical Test Center, Fort Rucker AL; Redstone Technical Test Center, Redstone Arsenal, AL; Cold Regions Test Center, Forts Greely and Wainwright, AK; Tropic Regions Test Center at Schofield Barracks HI; and a capability to provide for integrated test planning plus safety assessment/verification. Developmental test capabilities at each test range have been uniquely established, are in place to support test and evaluation (T&E) requirements of funded weapons programs, and are required to assure technical performance, adherence to safety requirements, reliability, logistics supportability, and quality of materiel in development and in production. Program funding includes efforts toward leveraging technologies to include procurement of essential equipment, personnel training and test facility modernization to support the warfighter's weapons and equipment. It also provides for leverage, integration and use of virtual and synthetic test tools/capabilities for reduction of test and program acquisition costs. Current testing capabilities are not duplicated within DoD and they represent baseline requirements to assure acceptable risk to the soldier as new technologies emerge into fielded weapons systems. As part of the DoD RELIANCE initiative, the Army (via this program) has committed at the highest senior service levels to be the lead agency for ground vehicles, gun munitions, electric guns, and surface-to-air missiles. This initiative is currently supported by the services Vice Chiefs of Staff in their role as the Test and Evaluation Board of Directors. This project finances indirect test operating costs not billable to test customers, replacement of test equipment and test facility modernization projects to maintain current testing capabilities and improvements to safety, environmental protection, efficiency of test operations, and technological advances. This program does not finance reimbursable costs directly identified to a user of these ranges. Direct costs are borne by materiel developers and project/product managers in accordance with DoD Directive 7000.14R. October 1999.

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FY 1999 Accomplishments:

- 119547 Performed command-wide test management to include test planning, safety assessment/verification and conduct of test operations. Involvement in significant numbers of Integrated Product Team efforts and issuance of safety releases and safety confirmations were conducted on both major and non-major acquisition programs/experiments. Some of the major systems tested include:

Patriot (PAC3)	High Mobility Multi-Purpose Wheeled Vehicle Prototype
Naval Ship Structures Programs/Experiments	Artillery Systems (CRUSADER)
Longbow Hellfire	Comanche Helicopter Subsystems
Light/Medium Tactical Vehicles (4X4)	Army Tactical Missile System (ATACMS) Block II
Theater Missile Defense (TMD)	Theater High Altitude Area Defense (THAAD)
Brilliant Anti-Armor Submunition (BAT)	Multiple Launch Rocket System (MLRS)
ABRAMS M1A2	Improved Target Acquisition System/TOW
Aircraft Survivability Equipment	Heavy Assault Bridge
Near Term Digital Radio	STINGER Missile
Javelin Block II	Guardrail Common Sensor
Advanced Medium Range Air to Air Missile	Advanced Field Artillery Tactical Data System (AFATDS)
Heavy Dry Support Bridge	Navy Standard & Rolling Airframe Missiles
AIR WARRIOR	Secure Mobile Anti-Jam Reliable Tactical – Terminal (SMART-T)
Improved Recovery Vehicle	Improved Cargo Helicopter
BRADLEY Fighting Vehicle System	Force Battle Command, Brigade & Below (FBCB2)

- 477 Airborne Engineering Evaluation Support Activity (AEESA)
- Total 120024

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BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
6 - Management and Support	0605601A Army Test Ranges and Facilities	DF30
FY 2000 Planned Program:		
<ul style="list-style-type: none"> • 133826 Command-wide test management including test planning, safety assessment/verification and conduct of test operations. Involvement in significant numbers of Integrated Product Team efforts and issuance of safety releases and safety confirmations will be conducted on both major and non-major acquisition programs/experiments. Some of the major systems to be tested include: <ul style="list-style-type: none"> Brigade Combat Team PATRIOT PAC3 Adv Medium Range Air-to-Air Missile Unmanned Aerial Vehicles (UAV) Theater Missile Defense (TMD) Brilliant Anti-Armor Submunition (BAT) Single Chan Anti-Jam Man Prtbl (SCAMP) Blk III Mine Neutralization/Detection Improved Cargo Helicopter SMART-T Maneuver Control System (MCS) M1 Breacher AIR WARRIOR • 10000 Congressional add for modernization of test facilities at White Sands Missile Range • 562 Airborne Engineering Evaluation Support Activity (AEESA) • 2097 Small Business Innovative Research/Small Business Technology Transfer (SBIR/STTR) Program. 	<ul style="list-style-type: none"> Naval ship structures programs/experiments Longbow Hellfire Multipurpose Individual Munition Joint Services Lightweight Integrated Suit Technology (JSLIST) Theater High Altitude Area Defense (THAAD) High Mobility Rocket System (HIMARS) Aircrew Integrated Systems Guardrail Common Sensor High Mobility Multi-Purpose Wheeled Veh (HMMWV) Prototype Army Joint Standoff Target Attack Radar System (JSTARS) Advanced Field Artillery Tactical Data System (AFATDS) Advanced Tank Armaments Force XXI Battle Command Brigade & Below (FBCB2) 	
Total	146485	

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FY 2001 Planned Program:		
<ul style="list-style-type: none"> • 119657 	<p>Command-wide test management including test planning, safety assessment/verification and conduct of test operations. Involvement in significant numbers of Integrated Product Team efforts and issuance of safety releases and safety confirmations will be conducted on both major and non-major acquisition programs/experiments. Some of the major systems to be tested include:</p> <ul style="list-style-type: none"> Brigade Combat Team PATARIOT PAC3 Tactical Internet Demonstration Improved Cargo Helicopter Theater Missile Defense (TMD) Brilliant Anti-Armor Submunition (BAT) Light Armored Vehicle Multipurpose Individual Munition SMART-T Soldier Enhancement Program SCAMP Block II M1 Breacher LAND WARRIOR Aircrew Integrated Systems 	<p>Naval ship structures programs/experiments</p> <ul style="list-style-type: none"> FIREFINDER P3I Maneuver Control System (MCS) Armored Amphibious Assault Vehicle (AAAV) Theater High Altitude Area Defense (THAAD) High Mobility Rocket System (HIMARS) Tube Launched, Optically Tracked, Wire Guided (TOW) Missile PIP Mine Neutralization/Detection Forward Area Air Defense Command and Control Objective Individual Combat Weapon Advanced Field Artillery Tactical Data System (AFATDS) Fire Support Team Vehicle Integration Ground Combat Identification
<p>Total</p>	<p>119657</p>	

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B. Program Change Summary	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
Previous President's Budget: (FY 2000/2001 PB)	118571	137193	134335
Appropriated Value	119553	147193	
Adjustments to Appropriated Value			
a. Congressional General Reduction	-982		
b. SBIR/STTR	-1637		
c. Omnibus or Other Above Threshold Reduction		-321	
d. Below Threshold Reprogramming	3564		
e. Rescissions	-474	-387	
Adjustments to Budget Years Since <u>FY 2000/2001 PB</u>			-14678
Current Budget Submit (<u>FY 2001 PB</u>)	120024	146485	119657

Change Summary Explanation: Funding - FY 2001 - Operational funds for Airborne Engineering Evaluation Support Activity (AEESA) were transferred to PE 0602782A/A779 (-551). Additional funds were realigned to higher priority requirements (-14100); efforts originally planned for FY 2001 that these funds would have supported have been deferred to the outyears.