

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							June 2001				
BUDGET ACTIVITY 6 - MANAGEMENT SUPPORT				PE NUMBER AND TITLE 0605601A - Army Test Ranges and Facilities				PROJECT F30			
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
F30	ARMY TEST RANGES & FACILITIES	144670	121532	114411	0	0	0	0	0	0	0

A. Mission Description and Budget Item Justification:
PLEASE NOTE: 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.

This program provides the institutional funding required to assure a developmental test capability is available for Department of Defense (DoD) Program Executive Officers, Program and Product Managers, and Research, Development, and Engineering Centers. All functions and resources associated with this program are managed by the U.S. Army Developmental Test Command (DTC), a subordinate command of the Army Test and Evaluation Command (ATEC) established in October 1999. DTC manages three Major Range and Test Facility Bases:

- Yuma Proving Ground (YPG), Arizona (to include management of Army natural environmental testing)
- Aberdeen Test Center, Aberdeen Proving Ground, Maryland
- White Sands Missile Range, New Mexico (including the Electronic Proving Ground (EPG), Fort Huachuca, Arizona).

This program also provides the required developmental test capability at:

- Aviation Technical Test Center, Fort Rucker, Alabama
- Redstone Technical Test Center, Redstone Arsenal, Alabama
- Cold Regions Test Center, Fort Greely and Fort Wainwright, Alaska (subordinate of YPG)
- Tropic Test Site at Schofield Barracks, Hawaii (subordinate of YPG)

In addition, it provides for the capability for integrated test planning plus safety verification/confirmation at HQ, DTC located at Aberdeen Proving Ground, Maryland. HQ, DTC also conducts test mission management for Dugway Proving Ground, Utah, but the institutional test mission operations funds for this major range are not included in this program element; they are in the Chemical Biological Defense Program (CBDP) PE 0605384BP/DW6.

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. Current testing capabilities are not duplicated within DoD and they represent test capabilities needed to assure acceptable risk to the soldier as new technologies emerge into fielded weapons systems.

This program 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. This program sustains the developmental test and evaluation capability to support all transition paths, Objective S&T, Legacy, Legacy to Objective, Interim, and Objective, of the Army Transformation

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Campaign Plan (TCP).

Some of the major systems tested during FY 2000 include: Legacy Systems - Joint Services Lightweight Howitzer, ABRAMS, and BRADELY; Legacy to Objective Systems - PATRIOT and PAC3, JAVELIN and LOGBOW HELLFIRE; Interim System - Interim Armored Vehicle; Objective Systems - COMANCHE and ATACMS/BAT, ATACMS 2020; support of Object Force S&T; as well as other service systems such as Navy STANDARD missile and Air Force AMRAAM missile. Some of the programs currently projected for future testing include: Legacy System - Joint Services Lightweight Howitzer; Legacy to Objective Systems - Theater High Altitude Area Defense (THAAD), Land Warrior, and Force Battle Command Brigade and Below (FBCB2); Interim System - Interim Armored Vehicle/Brigade Combat Teams; Objective Systems - COMANCHE, Future Combat System (FCS), HIMARS/Future Rocket System and Joint Transport Rotocraft/CH47/ICH; Support of Objective Force S&T - Army Warfighting Experiments, and Advanced Concept Technology Demonstrations; as well as support of numerous Joint Service, Air Force, and Navy programs.

FY 2000 Accomplishments

- 81652 Provided for test center civilian labor and other support costs which cannot be directly identified to a specific test customer or program. These civilian personnel perform administrative and staff/management support for DTC's mission to provide developmental and other acquisition related testing of DoD materiel, weapons, and weapons systems within the acquisition cycle to include resource management, safety, surety operations, range control, Contracting Officer's Representative (COR) duties, and environmental oversight/compliance of testing activities.
- 47356 Provided for labor and supporting costs for test center contractor personnel performing administration and management of DTC's test mission contracts. This is the indirect portion of the total cost of providing contractual effort including range operations, automotive testing, radar operations and maintenance, aerial cable operations, warehousing support, data collection, data reduction, project management, aircraft maintenance, and Automated Data Processing (ADP) support.
- 5662 Provided for civilian and contractor labor and other support costs at DTC HQ for the integrated test planning, safety verification/confirmation function, and DTC/ATEC test mission management.
- 10000 Congressional increase for modernization of test facilities at White Sands Missile Range. Projects included Cox Range Control Center Non-Instrumentation Transition, National Range Telemetry Systems Upgrade, and Electronic Proving Ground Distributed Command, Control, Communications, Computers, Intelligence (C4I) Test Capability.

Total 144670

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FY 2001 Planned Program

- 69869 Provides for test center civilian labor and other support costs which cannot be directly identified to a specific test customer or program. These civilian personnel perform administrative and staff/management support for DTC's mission to provide developmental and other acquisition related testing of DoD materiel, weapons, and weapons systems within the acquisition cycle to include resource management, safety, surety operations, range control, COR duties, and environmental oversight/compliance of testing activities.
- 35283 Provides for labor and supporting costs for test center contractor personnel performing administration and management of DTC's test mission contracts. This is the indirect portion of the total cost of providing contractual effort including range operations, automotive testing, radar operations and maintenance, aerial cable operations, warehousing support, data collection, data reduction, project management, aircraft maintenance, and ADP support.
- 6436 Provides for civilian and contractor labor and other support costs at DTC HQ for the integrated test planning, safety verification/confirmation function, and DTC/ATEC HQ test mission management.
- 8000 Congressional increase for White Sands Missile Range Test Facility and Instrumentation Modernization for aging radar, telemetry optics, data reduction, and communications test capabilities; and develop, test, and implement the software interfaces required to connect range facilities and resources to the newly constructed Cox Range Control Center and the range-wide fiber optics based test support network (TSN).
- 1944 Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) Programs

Total 121532

FY 2002 Planned Program

- 68872 Provides for test center civilian labor and other support costs which cannot be directly identified to a specific test customer or program. These civilian personnel perform administrative and staff/management support for DTC's mission to provide developmental and other acquisition related testing of DoD materiel, weapons, and weapons systems within the acquisition cycle to include resource management, safety, surety operations, range control, COR duties, and environmental oversight/compliance of testing activities.
- 39778 Provides for labor and supporting costs for test center contractor personnel performing administration and management of DTC's test mission contracts. This is the indirect portion of the total cost of providing contractual effort including range operations, automotive testing, radar operations and maintenance, aerial cable operations, warehousing support, data collection, data reduction, project management, aircraft maintenance, and ADP support.
- 5579 Provides for civilian and contractor labor and other support costs at DTC HQ for the integrated test planning, safety verification/confirmation function, and DTC/ATEC HQ test mission management.

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FY 2002 Planned Program (Continued)

- 182 Provides for two civilians' salaries in the Big Crow Project Office

Total 114411

<u>B. Program Change Summary</u>	FY 2000	FY 2001	FY 2002	FY 2003
Previous President's Budget (FY2001 PB)	146485	119657	116666	0
Appropriated Value	147193	122657	0	0
Adjustments to Appropriated Value	0	0	0	0
a. Congressional General Reductions	0	0	0	0
b. SBIR/STTR	-2097	0	0	0
c. Omnibus or Other Above Threshold Reductions	-321	0	0	0
d. Below Threshold Reprogramming	282	0	0	0
e. Rescissions	-387	-1125	0	0
Adjustments to Budget Years Since FY2001 PB	0	0	-2255	0
Current Budget Submit (FY 2002/2003 PB)	144670	121532	114411	0