

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R-2 Exhibit)							February 2003				
BUDGET ACTIVITY 6 - Management support				PE NUMBER AND TITLE 0605601A - ARMY TEST RANGES AND FACILITIES							
COST (In Thousands)				FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate
Total Program Element (PE) Cost				115473	130727	174603	172114	186906	204339	199724	206216
F30 ARMY TEST RANGES & FACILITIES				115473	130727	167684	172114	186906	204339	199724	206216
F38 BIG CROW SUPPORT				0	0	6919	0	0	0	0	0
<p><u>A. Mission Description and Budget Item Justification:</u>This program element (PE) provides the institutional funding required to operate the developmental test activities required by Department of Defense (DoD) Program Executive Officers, Program and Product Managers, and Research, Development, and Engineering Centers. This funding does not pay for program specific test costs. All functions and resources associated with this PE are managed by the U.S. Army Developmental Test Command (DTC), a subordinate command of the Army Test and Evaluation Command (ATEC). This PE provides resources to operate Army Major Range and Test Facility Bases (MRTFB):</p> <ul style="list-style-type: none">- White Sands Missile Range (WSMR), NM- Electronic Proving Ground (EPG), Fort Huachuca, AZ- Aberdeen Test Center (ATC), Aberdeen Proving Ground (APG), MD- Yuma Proving Ground (YPG), AZ (to include management of Army natural environmental testing at Cold Regions Test Center, Fort Greely and Fort Wainwright, AK, and Tropic Regions Test Center at Schofield Barracks, HI). And provides the resources to operate the Army’s developmental test capability at:- Aviation Technical Test Center, Fort Rucker, AL- Redstone Technical Test Center, Redstone Arsenal, AL. <p>It also provides the resources for test planning and safety verification/confirmation at HQ, DTC located at APG, MD.</p> <p>Increased funding, beginning in FY 2004 reflects an Army leadership decision supporting Congressional and OSD interest in implementing the Defense Science Board recommendations to increase developmental test funding. FY 2003 Congressional language establishes a Defense Test Resource Management Center, the objective to fully fund the operating costs of the MRTFBs by FY 2006, and to ensure that charges to DoD test customers do not exceed direct costs. Historic under funding of the MRTFBs have resulted in inadequate developmental testing, with the ultimate result being system failures in operational test/fielding and increased acquisition cost. The increase also pays civilian salaries reprogrammed to properly align efforts to the mission they support.</p>											

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<u>B. Program Change Summary</u>	FY 2002	FY 2003	FY 2004	FY 2005
Previous President's Budget (FY 2003)	113451	144183	149725	171143
Current Budget (FY 2004/2005 PB)	115473	130727	174603	172114
Total Adjustments	2022	-13456	24878	971
Congressional program reductions		-7500		
Congressional rescissions		-12409		
Congressional increases		8200		
Reprogrammings	3411	-750		
SBIR/STTR Transfer	-1389	-997		
Adjustments to Budget Years			24878	971

Change Summary Explanation:

Funding - The FY 2004 program adjustments reflects the following:

- (1) An increase to support the developmental test mission. Congress has expressed interest in the conclusions of two recent Defense Science Board (DSB) reports. In particular, the December 2000 study indicated that testing is not being adequately conducted, resulting in latent defects that can be very costly and impact systems' operational effectiveness; the acquisition process is not delivering high quality, reliable and effective equipment to our military forces; limited T&E infrastructure is a contributor to the lack of testing; and the T&E process is not funded properly. The FY 2004 increase in funding by Army is in direct response to Congressional interest in implementing the DSB recommendations. Increased funding will provide increased developmental testing services without passing the costs to the test customers. Increased funding will pay for additional contractor labor and the associated non-labor support (e.g., test equipment maintenance, test facility maintenance, spare parts, and test support vehicle maintenance).
- (2) An increase to pay civilian salaries reprogrammed to properly align efforts to the missions they support.
- (3) An increase to support the Big Crow Program Office.
- (4) Realignment of funds to OSD to support OSD civilian salaries located at Dugway Proving Ground.

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COST (In Thousands)				FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate
F30	ARMY TEST RANGES & FACILITIES			115473	130727	167684	172114	186906	204339	199724	206216
<p><u>A. Mission Description and Budget Item Justification:</u> Increased funding, beginning in FY 2004 reflects an Army leadership decision supporting Congressional and OSD interest in implementing the Defense Science Board recommendations to increase developmental test funding. Historic under funding of the Major Range and Test Facility Base (MRTFB) has resulted in inadequate developmental testing, with the ultimate result being system failures in operational test/fielding and increased acquisition cost. FY 2003 Congressional language establishes a Defense Test Resource Management Center, the objective to fully fund the operating costs of the MRTFBs by FY 2006, and to ensure that charges to Department of Defense (DoD) test customers do not exceed direct cost.</p> <p>This project provides the institutional funding required to operate the developmental test activities required by DoD Program Executive Officers, Program and Product Managers, and Research, Development, and Engineering Centers. This funding does not pay for program specific test costs. All functions and resources associated with this project are managed by the U.S. Army Developmental Test Command (DTC), a subordinate command of the Army Test and Evaluation Command (ATEC). This project provides resources to operate Army MRTFBs:</p> <ul style="list-style-type: none">- White Sands Missile Range (WSMR), NM- Electronic Proving Ground (EPG), Fort Huachuca, AZ- Aberdeen Test Center (ATC), Aberdeen Proving Ground (APG), MD- Yuma Proving Ground (YPG), AZ (to include management of Army natural environmental testing at Cold Regions Test Center, Fort Greely and Fort Wainwright, AK, and Tropic Regions Test Center at Schofield Barracks, HI). <p>This project also provides the resources to operate the Army’s developmental test capability at:</p> <ul style="list-style-type: none">- Aviation Technical Test Center, Fort Rucker, AL- Redstone Technical Test Center, Redstone Arsenal, AL. <p>It also provides the resources for test planning and safety verification/confirmation at HQ, DTC located at APG, MD. Developmental test capabilities at the 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.</p> <p>Test facilities operated through this project include: performance and cross country automotive test courses; accelerated corrosion test facility; automotive tilt table; lift and tie down facility; desert and dust mobility test areas; vibration facility; firing ranges for small arms, artillery, tank rounds and small missiles; live fire evasive target; armor/anti-armor depleted uranium containment facility; elevated rail threat launch facility; fire safety test enclosure; climatic test facilities; mine/countermine/demolitions complex; an electronic countermeasures vulnerability test</p>											

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<p>facility; unmanned aerial vehicle test facility; electro-magnetic interference/electro-magnetic compatibility/TEMPEST test facility; systems interoperability and computer software testing facility; electronic realistic battlefield environmental facility; communication test facility; electro-optical systems test facility; rocket motor static test stands; inertial guidance test facilities; full spectrum nuclear effects facilities; instrumented air delivery test area; rocket motor static test facility; and lightening effects test facility. Current testing capabilities are not duplicated within DoD. This project finances test range operating costs not appropriately billed to test customers, replacement of test equipment, and test revitalization/upgrade projects to maintain current testing capabilities and improvements to safety, environmental protection, efficiency of test operations, and technological advances. This project 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 3200.11 and DoD Financial Management Regulation 7000.14R. This project sustains the developmental T&E capability required to support all elements of Army Transformation , as well as Joint Service or Other Service systems, hardware, and technologies.</p> <p>Unclassified systems scheduled for developmental testing that require DTC's test capabilities to be available and maintained include: Stryker; Patriot; Future Combat Systems; Lead the Fleet; High Mobility Multi Purpose Wheeled Vehicle; Family of Medium Tactical Vehicles; USMC Light Armored Vehicle; UH-60 Blackhawk; Airborne Command and Control System; Longbow Apache; TOW Missile; Theater Missile Defense; Force XXI Battle Command Brigade and Below; Support of Objective Force S&T-Army Warfighting Experiments and Advanced Concept Technology Demonstrations; Joint Service and other Air Force/Navy programs.</p>		

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<u>Accomplishments/Planned Program</u>		FY 2002	FY 2003	FY 2004	FY 2005	
Mission Support. Funding provides for institutional resources to operate developmental test ranges at White Sands Missile Range (WSMR), New Mexico (including the Electronic Proving Ground (EPG), Fort Huachuca, Arizona), Aberdeen Test Center (ATC), Aberdeen Proving Ground, Maryland, Yuma Proving Ground (YPG), Arizona (to include Cold Regions Test Center, Fort Greely and Fort Wainwright, Alaska, and Tropic Test Site at Schofield Barracks, Hawaii), Aviation Technical Test Center, Fort Rucker, Alabama and Redstone Technical Test Center, Redstone Arsenal, Alabama. Funded items include: TDY/training of civilian and contractor personnel; test equipment maintenance; test facility maintenance; administrative supplies; safety shoes; tools; software; spare parts; test support vehicle maintenance; host support; utilities; communications; and GSA vehicles. Unclassified systems scheduled for developmental testing that require DTC's test capabilities include: Stryker; Patriot; Future Combat Systems; Lead the Fleet; High Mobility Multi Purpose Wheeled Vehicle; Family of Medium Tactical Vehicles; USMC Light Armored Vehicle; UH-60 Blackhawk; Airborne Command and Control System; Longbow Apache; TOW Missile; Theater Missile Defense; Force XXI Battle Command Brigade and Below; Support of Objective Force S&T-Army Warfighting Experiments and Advanced Concept Technology Demonstrations; Joint Service and other Air Force/Navy programs.		19577	23154	28544	29303	
T&E Civilian Pay. Funding supports 40 percent of the civilian labor costs for Program Budget Guidance (PBG) authorizations. The balance is test customer reimbursed. The increased funding, beginning in FY 2004, reflects the restoral of PBG authorizations based on the exemption of the test and evaluation (T&E) functions from private sector performance due to the risk to national security. These authorizations are essential to restore/maintain core T&E skills as part of the Government civilian workforce. The funding increase also reflects additional PBG authorizations associated with the transfer of positions from the Operation and Maintenance, Army (OMA) appropriation. These positions, initially identified for transition to the Installation Management Activity (IMA) under Transformation of Installation Management (TIM), have been realigned to this project based on direct support of the T&E mission.		65369	66457	85550	89248	
Contractor Pay. This funding supports 20 percent of the contractor labor costs. The balance is test customer reimbursed. Contract labor is essential to augment core civilian T&E personnel. Functions performed include range operations, automotive testing, radar operations and maintenance, aerial cable operations, warehousing support, data collection, data reduction, project management, aircraft maintenance, and ADP support. Increased funding in FY 2004 and FY 2005 will support a robust workforce able to meet testing needs of the Army Transformation Systems.		30527	32916	43590	43408	

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PROJECT

0605601A - ARMY TEST RANGES AND FACILITIES

F30

FY 2002

FY 2003

FY 2004

FY 2005

0

0

$$\frac{1}{10000} \times 2004$$

1 2005
10155

Increased funding, beginning in FY 2004, is essential to ensure a safe test operating environment. Up to this point revitalization and upgrade of test unique facilities have been unfunded since FY 1996, with a one year exception when OSD provided funding in FY 2000.

Cold Regions Test Activity (CRTC) Congressional add. Funds designated for CRTC infrastructure, hybrid electric vehicle and non-discarding sabot technology testing at CRTC only.

0

8200

0

0

Totals

115473

130727

167684

172114

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COST (In Thousands)				FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate
F38 BIG CROW SUPPORT				0	0	6919	0	0	0	0	0
<p><u>A. Mission Description and Budget Item Justification:</u> Provide funding for Big Crow Program Office to sustain test and evaluation capabilities to support essential testing in electronic warfare, electronic countermeasures, electronic warfare equipment, missiles and other small object tracking, and telemetry. The funding provided is specifically for institutional operations and maintenance costs of maintaining baseline capabilities of two KC-135 aircraft, the Big Crow electronic equipment, and their associated ground vans that support critical test and evaluation requirements.</p>											
<u>Accomplishments/Planned Program</u>								<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>
Provide technical contract support, reimbursement for utilities and rents, systems improvements and modernization and flying hour cost and aircrew maintenance/qualifications.								0	0	6919	0
Totals								0	0	6919	0