

PE NUMBER: 0605601A

UNCLASSIFIED

PE TITLE: Army Test Ranges and Facilities

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

COST (In Thousands)	FY 1997 Actual	FY 1998 Estimate	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	Cost to Complete	Total Cost
Total Program Element (PE) Cost	128036	118327	119553	119882	121679	121889	123255	Continuing	Continuing
DF30 Army Test Ranges & Facilities	0	116031	119553	119882	121679	121889	123255	Continuing	Continuing
DE90 Yuma Proving Ground	18086	0	0	0	0	0	0	0	0
DE91 Aberdeen Test Center	31042	0	0	0	0	0	0	0	0
DE93 White Sands Missile Range	64470	0	0	0	0	0	0	0	0
D618 Aviation Technical Test Center	9306	0	0	0	0	0	0	0	0
D630 TECOM Test Design and Evaluation	4024	0	0	0	0	0	0	0	0
D632 Redstone Technical Test Center	1108	0	0	0	0	0	0	0	0
D699 Non-Major Sys Test Design and Evaluation	0	2296	0	0	0	0	0	0	0

NOTE: Effective FY 1999, funding in Project D699, Non-major Systems Test Design & Evaluation, has been transferred to newly established PE 0605716A Army Evaluation Center under OPTEC to perform the Army's newly consolidated developmental and operational evaluation function.

Mission Description and Budget Item Justification: Sustains an objective test capability for technical testing and support to operational 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; Aberdeen Test Center, Aberdeen Proving Ground, MD; and White Sands Missile Range, NM. This program also sustains an objective technical test capability at: Aviation Technical Test Center, Fort Rucker AL; Redstone Technical Test Center, Redstone Arsenal, AL; Electronic Proving Ground, Fort Huachuca, AZ; Cold Regions Test Center, Forts Greely and Wainwright, AK; Tropic Test Site, Panama; and a capability to provide for integrated test planning plus safety assessment/verification. Technical test capabilities at each test range have been uniquely established, are in place to support independent 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 facility modernization to support the warfighter's testing requirements. It also provides for leverage, integration and use of virtual and synthetic test tools/capabilities for reduction of test costs 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

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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 T&E Board of Directors. 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. These direct costs are borne by materiel developers and project/product managers in accordance with DoD Directive 3200.11. T&E operations are required for general research and development; therefore, This program is appropriate for inclusion in Budget Activity 6.

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT

DF30

COST (In Thousands)	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Cost to	Total Cost
	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete	
DF30 Army Test Ranges & Facilities	0	116031	119553	119882	121679	121889	123255	Continuing	Continuing

A. Mission Description and Justification: Sustains an objective test capability for technical testing and support to operational 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; Aberdeen Test Center, Aberdeen Proving Ground, MD; and White Sands Missile Range, NM. This program also sustains an objective technical test capability at: Aviation Technical Test Center, Fort Rucker AL; Redstone Technical Test Center, Redstone Arsenal, AL; Electronic Proving Ground, Fort Huachuca, AZ; Cold Regions Test Center, Forts Greely and Wainwright, AK; Tropic Test Site, Panama; and a capability to provide for integrated test planning plus safety assessment/verification. Technical test capabilities at each test range have been uniquely established, are in place to support independent 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 facility modernization to support the warfighter's testing requirements. It also provides for leverage, integration and use of virtual and synthetic test tools/capabilities for reduction of test costs 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 T&E Board of Directors. 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. These direct costs are borne by materiel developers and project/product managers in accordance with DoD Directive 3200.11. T&E operations are required for general research and development; therefore, This program is appropriate for inclusion in Budget Activity 6.

FY 1997 Accomplishments: See projects funded under DE90, DE91, DE93, D618, D632 and that portion of D630 which provided for command-wide integrated test planning and safety assessment/verification.

FY 1998 Planned Program:

- 112681 Command-wide integrated test planning, safety assessment/verification and test operations (previously funded under DE90, DE91, DE93, D618, D630, and D632). Involvement in over 760 Integrated Product Team efforts and issuance of over 350 safety releases and over 100 safety confirmations is projected on both major and non-major acquisition programs/experiments. Some of the major systems to be tested include: Wide Area Mine (HORNET) at Yuma Proving Ground (YPG), Naval Ship Structures at Aberdeen Test Center (ATC), Artillery Systems Dem/Val (CRUSADER) at YPG, LONGBOW HELLFIRE at Redstone Technical Test Center (RTTC), COMANCHE Helicopter subsystems at YPG and Aviation Technical Test

Project DF30

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT
DF30**FY 1998 Planned Program: (continued)**

Center (ATTC), JAVELIN BLOCK II at RTTC, Light/Medium Tactical Vehicles (4X4) at ATC, Army Tactical Missile System (ATACMS) Block II at White Sands Missile Range (WSMR), Theater Missile Defense (TMD) and Theater High Altitude Area Defense (THAAD) at WSMR, Brilliant Anti-Armor Terminally Guided Submunition (BAT) at WSMR and RTTC, Multiple Launch Rocket System (MLRS) and Launcher at WSMR and RTTC, Improved Target Acquisition System/TOW missile at RTTC, Enhanced Fiber Optic Guided Missile (EFOG-M) at RTTC and WSMR, Aircraft Survivability Equipment at ATTC, Heavy Assault Bridge at ATC, Airborne Avionics at ATTC, Forward Area Air Defense Ground Based Sensor at WSMR, Air Reconnaissance Low at ATTC and WSMR, EH-60 QUICKFIX at WSMR, M915A2 Line Haul Truck at ATC, M1 Breacher at ATC,

Advanced Field Artillery Tactical Data System (AFATDS) at YPG, Land Warrior at ATC and YPG, Advanced Tank Armaments at ATC, Close Combat Tactical Trainer at ATC, Ground Combat Identification at YPG, and Heavy Utility Truck at ATC. Program accomplishes 62% of projected executable workload with no range modernization.

- 440 Airborne Engineering Evaluation Support Activity (AEESA), Fort Monmouth, NJ
 - 2910 Small Business Innovative Research/Small Business Technology Transfer Programs
- Total 116031

FY 1999 Planned Program:

- 119063 Command-wide integrated test planning, safety assessment/verification and test operations (previously funded under DE90, DE91, DE93, D618, D630, and D632). Involvement in over 680 Integrated Product Team efforts and issuance of over 315 safety releases and over 90 safety confirmations is projected on both major and non-major acquisition programs/experiments. Some of the major systems to be tested include: High Mobility Multi Purpose Wheeled Vehicle Prototype at Aberdeen Test Center (ATC), Close Combat Tactical Trainer (CCTT) at ATC and White Sands Missile Range (WSMR), Naval Ship Structures at ATC, Artillery Systems Dem/Val (CRUSADER) at Yuma Proving Ground (YPG), LONGBOW HELLFIRE at Redstone Technical Test Center (RTTC), COMANCHE Helicopter subsystems at YPG and Aviation Technical Test Center (ATTC), JAVELIN BLOCK II at RTTC, Medium and Light/Medium Tactical Vehicles (4X4) at ATC, Army Tactical Missile System (ATACMS) Block II at WSMR, Theater Missile Defense (TMD) and Theater High Altitude Area Defense (THAAD) at WSMR, Mine Neutralization at YPG, Brilliant Anti-Armor Terminally Guided Submunition (BAT) at WSMR and RTTC, Multiple Launch Rocket System (MLRS) and Launcher at WSMR and RTTC, Improved Recovery Vehicle at ATC, Improved Target Acquisition System/TOW missile at RTTC, Follow-on to TOW at RTTC, SMART-T at WSMR, Enhanced Fiber Optic Guided Missile (EFOG-M) at RTTC and WSMR, Aircraft Survivability Equipment at ATTC, Heavy Assault Bridge at ATC, Airborne Avionics at ATTC, Forward Area Air Defense Ground Based Sensor at WSMR, Improved Cargo Helicopter at ATTC, EH-60 QUICKFIX at WSMR, 2-1/2 Ton, 5 Ton, HMMWV Extended Service Life Program at ATC, M1 Breacher at ATC, Advanced Field Artillery Tactical Data System (AFATDS) at YPG, Multi-Purpose Individual Munition at ATC and RTTC, Land Warrior at ATC and YPG, and 10 Ton Recovery Truck (8X8) at ATC. Program accomplishes 62% of projected executable workload with no range modernization.
- 490 Airborne Engineering Evaluation Support Activity (AEESA)

Project DF30

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DATE

BUDGET ACTIVITY

PE NUMBER AND TITLE

Total 119553

1130

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT
DF30

B. Project Change Summary

	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
FY 1998/1999 President's Budget	0	119728	126953
Appropriated Value		119728	
Adjustments to Appropriated Value		-3697	
FY 1999 President's Budget	0	116031	119553

Change Summary Explanation:

Funding: This is a new project combining the prior individual projects for TECOM test centers (excluding Dugway Proving Ground) and the TECOM HQ integrated test planning and safety assessment/verification functions.

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT
DE90

COST (In Thousands)	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Cost to	Total Cost
	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete	
DE90 Yuma Proving Ground	18086	0	0	0	0	0	0	0	0

A. Mission Description and Justification: Project DE90 Yuma Proving Ground: Yuma Proving Ground (YPG), AZ is DoD's primary artillery, air delivery and desert test range. Vast tracts of varied desert terrain provide testers with conditions found in the Middle East and other desert areas. YPG's mission is to plan, conduct, analyze, and report the results of research, development and other tests of aircraft armament, long-range cannon artillery, air delivery, and mobility systems. Major facilities include an artillery firing range; Army's only air-to-ground aircraft armament range with precision real-time instrumentation; the Army's only weapons accuracy range with actual targets for testing direct fire aircraft and weapons; an instrumented air delivery test area; and desert and dust mobility test areas. YPG is designated as the DoD primary test site for electromagnetic/electrothermal gun systems under Project Reliance. Under Reliance, YPG is also designated as the primary site for the conduct of indirect fire gun munitions and a specialty site for land vehicle testing. YPG manages all extreme natural environment testing (desert, cold weather, and tropic) with off site physical locations (tropic testing in Panama and cold weather testing in Alaska). Cold Regions Test Center (CRTC), Fort Greely, AK is the only cold region environmental test center within DoD. This program includes support of development and production acceptance testing to determine the performance of extreme cold weather specific equipment, the effects of extreme cold weather, wind, and snow on the performance of weapons systems and materiel in full operation, and the man/materiel interface. It also provides, within mission area, for leverage, integration and use of virtual and synthetic test tools/capabilities for reduction of test costs and program acquisition costs.

FY 1997 Accomplishments:

- 18086 Key systems tested were: KIOWA Warrior (OH-58D), Wide Area Mine (HORNET), CRUSADER Advanced Field Artillery System, USMC Light Armored Vehicle, BRADLEY Fighting Vehicle System, Improved Extreme Cold Weather Boot, M1A2 ABRAMS Tank, and the German SP2000 Howitzer.
- Total 18086

FY 1998 and FY 1999 Planned Program: Project consolidated into project DF30 effective FY 1998.

B. Project Change Summary

	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
FY 1998/1999 President's Budget	17054	0	0
Appropriated Value	17418		
Adjustments to Appropriated Value	+668		
FY 1999 President's Budget	18086	0	0

Change Summary Explanation: Funding: Project consolidated into project DF30 effective FY 1998.

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT
DE91

COST (In Thousands)	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Cost to	Total Cost
	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete	
DE91 Aberdeen Test Center	31042	0	0	0	0	0	0	0	0

A. Mission Description and Justification: Project DE91 Aberdeen Test Center: Aberdeen Test Center (ATC), formerly known as Combat Systems Test Activity, Aberdeen Proving Ground, MD is DOD's designated lead agency for land vehicle testing and Congressionally mandated live fire testing. Under Project Reliance, ATC is designated as primary test site for land vehicle and direct fire gun munitions testing. ATC is responsible for conducting research, development tests of weapons and weapon systems; munitions and components; survey and target acquisition equipment; combat, special, and general purpose vehicles and ancillary automotive equipment; combat engineer equipment; and troop support and individual equipment. ATC is the DoD tester for vulnerability/lethality of Army systems. Major facilities include the Munson automotive test courses, firing ranges addressing a wide variety of firing capabilities, cross-country automotive test sites, a unique robotics vehicle test facility, moving target projection facility, live fire evasive target facility, armor/anti-armor depleted uranium containment facility (Super Box), the elevated rail threat launch facility, underwater test facility for the conduct of tests for surface and subsurface ship structures (Navy support), and a number of special test laboratories. It also provides, within mission area, for leverage, integration and use of virtual and synthetic test tools/capabilities for reduction of test costs and program acquisition costs.

FY 1997 Accomplishments:

- 31042 Some of the systems tested were: BRADLEY Fighting Vehicle System, M1A1 and M1A2 ABRAMS Tank, Navy Ship Structures, M839 120mm Tank Round, M917 Dump Truck, USMC Advanced Amphibious Assault Vehicle, M88 Improved Recovery Vehicle (HERCULES), and the Heavy Assault Bridge. Institutional funds were also used to modernize test facilities and equipment to maintain current test capabilities and improve the safety, environmental, efficiency, and technological aspects of test operations.
- Total 31042

FY 1998 and FY 1999 Planned Program: Project consolidated into project DF30 effective FY 1998.

B. Project Change Summary

	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
FY 1998/1999 President's Budget	34436	0	0
Appropriated Value	35172		
Adjustments to Appropriated Value	-4130		
FY 1999 President's Budget	31042	0	0

Change Summary Explanation: Funding: FY 1997 (-3394) to align resources within PE 0605601A in accordance with workload. This project consolidated into project DF30 effective FY 1998.

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT
DE93

COST (In Thousands)	FY 1997 Actual	FY 1998 Estimate	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	Cost to Complete	Total Cost
DE93 White Sands Missile Range	64470	0	0	0	0	0	0	0	0

A. Mission Description and Justification: Project DE93 White Sands Missile Range: White Sands Missile Range (WSMR), NM, is the largest, multi-purpose, overland test range within DoD. This project provides for testing of ballistic and guided missiles, air defense systems, and artillery missile systems for all services. It is the DoD designated primary test facility for overland surface-to-air and surface-to-surface missile testing and nuclear effects under Project Reliance. Launch complexes are integrated into a modern, real-time data collection and data reduction processing system. Facilities include optical and calibration laboratories, inertial guidance test facilities, full spectrum nuclear effects facilities (i.e., radiation, thermal, blast, electromagnetic pulse), temperature, shock, vibration, and electromagnetic effects, and a fully landlocked/secure test missile flight facility. WSMR facilities and services are extensively utilized by the Tri-Services, National Aeronautics and Space Administration, and other government agencies and includes support to the High Energy Laser Systems Test Facility located at WSMR. The Electronic Proving Ground (EPG) is consolidated under WSMR. EPG, Fort Huachuca, AZ, is unique within DoD because of the electromagnetically “clean” environment, extensive real estate, low annual rainfall, and special facilities required to perform development tests for communications, command and control, optical/electro-optical, signal intelligence, and electronic warfare equipment and systems. EPG operates an electro-magnetic environment test facility, an unmanned aerial vehicle test facility, antenna pattern measurement facility, electro-magnetic interference (EMI)/electro-magnetic compatibility (EMC)/TEMPEST test facility, communication test facility, outdoor compact antenna range, high frequency test facility, stress loading facility, and an electro-optical systems test facility. It also provides, within mission area, for leverage, integration and use of virtual and synthetic test tools/capabilities for reduction of test and program costs.

FY 1997 Accomplishments:

- 64470 Some of the key systems tested were: PATRIOT Missile System, Theater High Altitude Area Defense (THAAD), support of Army Warfighting Experiments, Army Tactical Command and Control System (ATCCS), Army Tactical Missile System, Integrated Meteorological System, Global Positioning System, Multiple Launch Rocket System, Theater Missile Defense, and Brilliant Anti-Armor Submunition (BAT).
- Total 64470

FY 1998 and FY 1999 Planned Program: Project consolidated into project DF30 effective FY 1998.

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT
DE93

B. <u>Project Change Summary</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
FY 1998/1999 President's Budget	59945	0	0
Appropriated Value	61233		
Adjustments to Appropriated Value	+3237		
FY 1999 President's Budget	64470	0	0

Change Summary Explanation: Funding: Project consolidated into project DF30 effective FY 1998.

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT
D618

COST (In Thousands)	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	Cost to	Total Cost
	Actual	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Complete	
D618 Aviation Technical Test Center	9306	0	0	0	0	0	0	0	0

A. Mission Description and Justification: Project D618 Aviation Technical Test Center: Aviation Technical Test Center (ATTC), Fort Rucker, AL provides a capability for research, development, production, verification, and materiel change testing of Army aircraft, Aircrew systems/subsystems, and various items of related ground support equipment. Fleet Aircraft Sustainment Testing (FAST) is also conducted to provide continuous reliability/supportability data on new and modified aircraft systems/subsystems. ATTC operates DoD's only helicopter icing spray capability and low speed, fixed wing cloud physics instrumented aircraft which provide for qualification of helicopters for flight under icing conditions. Also funds the Airborne Engineering Evaluation Support Activity (AEESA) at CECOM which includes night vision research, aircraft modeling, flight support, modification of airframes and installation of night vision systems. It also provides, within mission area, for leverage, integration and use of virtual and synthetic test tools/capabilities for reduction of test and program acquisition costs.

FY 1997 Accomplishments:

- 8787 Some of the key systems tested were: KIOWA Warrior (OH-58D), UH-1H Utility Helicopter, UH-60 BLACKHAWK, COMANCHE, CH-47D CHINOOK, AH-64 APACHE, and the Long Range Biological Standoff Detection System.
 - 519 Airborne Engineering Evaluation Support Activity (AEESA), Fort Monmouth, NJ
- Total 9306

FY 1998 and FY 1999 Planned Program: Project consolidated into project DF30 effective FY 1998.

B. Project Change Summary

	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
FY 1998/1999 President's Budget	12557	0	0
Appropriated Value	12826		
Adjustments to Appropriated Value	-3520		
FY 1999 President's Budget	9306	0	0

Change Summary Explanation: Funding: FY 1997 decrease of (-3251) reprogrammed based on acceleration of the relocation of the Airworthiness Qualification Directorate from Edwards AFB, CA to Fort Rucker, AL in FY 1996, and to realign resources within PE 0605601A in accordance with workload. This project consolidated into project DF30 effective FY 1998.

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT

D630

COST (In Thousands)	FY 1997 Actual	FY 1998 Estimate	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	Cost to Complete	Total Cost
D630 TECOM Test Design and Evaluation	4024	0	0	0	0	0	0	0	0

A. Mission Description and Justification: Project D630 TECOM Test Design and Evaluation: This project provides for independent assessment of over 300 non-major systems. It encompasses design of developmental and initial production assessment plans, test design, and subsequent independent analysis and assessment reports in support of all acquisition milestones to include recommendations for type classification and materiel release of non-major systems. Includes some 125-150 independent assessment plans and reports annually in the areas of munitions, weapons, electronics, communications, electronic warfare training devices, automotive and engineering equipment, bridging, clothing and individual equipment, chemical detection alarms, and chemical protective equipment. It also provides for TECOM HQ safety assessment/verification, and for test integration functions in support of the Army's integrated T&E process.

FY 1997 Accomplishments:

- 1782 TECOM HQ integrated test planning and safety assessment/verification function including participation in 713 Integrated Product Teams and the issuance of 331 safety releases and 96 safety confirmations.
- 2242 Army Evaluation Center/OPTEC. Continued test design and assessment program, addressing new developments, production, and materiel changes. Systems included:
 - Aviation Combined Arms Tactical Trainer
 - Army Key Management System
 - Tactical Standoff Biological Detector
 - Deployable Universal Combat Earthmover
 - Air Warrior
 - Airborne Standoff Minefield Detection System
 - Close Combat Tactical Trainer
 - Land Warrior
 - SHORTSTOP
 - Air Traffic Navigation and Communication System
 - Mobile Automated Instrumentation Suite
 - Joint Service Lightweight Integrated Suit Technology (JSLIST)
 - Containerized Kitchen
 - Remote Activation Munitions System
 - Handheld Mine Detection System
 - Selectable Lightweight Attack Munition
 - Multiple Integrated Laser Engagement System - 2000
 - IEW Common Sensor

Total 4024

FY 1998 and FY 1999 Planned Program: Effective FY 1998, project funds are realigned into project DF30 for integrated test planning and safety assessment/verification within TECOM and into project D699 for consolidation of Army's materiel evaluation mission within OPTEC.

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT
D630

B. Project Change Summary

	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
FY 1998/1999 President's Budget	4685	0	0
Appropriated Value	4785		
Adjustments to Appropriated Value	-761		
FY 1999 President's Budget	4024	0	0

Change Summary Explanation: Funding: FY 1997 decrease of (-661) reprogrammed to fund higher priorities. Effective FY 1998, project funds are realigned into project DF30 for integrated test planning and safety assessment/verification within TECOM and into project D699 for consolidation of Army's materiel evaluation mission within OPTEC.

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT
D632

COST (In Thousands)	FY 1997 Actual	FY 1998 Estimate	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	Cost to Complete	Total Cost
D632 Redstone Technical Test Center	1108	0	0	0	0	0	0	0	0

A. Mission Description and Justification: Project D632 Redstone Technical Test Center: Redstone Technical Test Center (RTTC), Redstone Arsenal, AL provides technical test expertise, facilities and capabilities for conduct of research, development, production and post-production testing of missiles, rockets, and low energy/precision guidance lasers. RTTC conducts system level tests on small rockets and missiles, and component/subsystem tests for all categories of Army rockets, guided missiles, and associated equipment. RTTC is the Army lightning tester for hazardous/explosive materials. Major capabilities include a) extensive component/subsystem test facilities, b) ranges for flight testing small missiles and evaluating warhead effects, c) rocket motor static test stands, and d) facilities for climatic, vibration, shock, and electromagnetic environmental effects testing. RTTC is the Product Assurance tester for the Army's Missile Command for repair parts testing and evaluating missile stockpile reliability at storage sites around the world. Through stockpile reliability testing, missile shelf life extension has resulted in cost avoidance greater than \$7.9 billion. It also provides, within mission area, for leverage, integration and use of virtual and synthetic test tools/capabilities for reduction of test and program acquisition costs.

FY 1997 Accomplishments:

- 1108 Some of the key systems tested were: JAVELIN, Missile Repair Parts, TOW/Improved BRADLEY Acquisition System, TOW/Improved Target Acquisition System, USAF MAVERICK Missile, STINGER Missile, HELLFIRE Missile, and Brilliant Anti-armor Submunition (BAT).
- Total 1108

FY 1998 and FY 1999 Planned Program: Project consolidated into project DF30 effective FY 1998.

B. Project Change Summary

	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
FY 1998/1999 President's Budget	1545	0	0
Appropriated Value	1578		
Adjustments to Appropriated Value	-470		
FY 1999 President's Budget	1108	0	0

Change Summary Explanation: Funding: FY 1997 decrease of (-437) reprogrammed to fund higher priorities This project consolidated into project DF30 effective FY 1998.

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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT

D699

COST (In Thousands)	FY 1997 Actual	FY 1998 Estimate	FY 1999 Estimate	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	Cost to Complete	Total Cost
D699 Non-Major Sys Test Design and Evaluation	0	2296	0	0	0	0	0	0	0

A. Mission Description and Justification: Project D699, Non-Major Systems Test Design and Evaluation: This is not a new start. FY 1998 funding was realigned from the U.S. Army Test and Evaluation Command (TECOM) (Project D630) to the U.S. Army Operational Test and Evaluation Command (OPTEC) as part of the Army's consolidation of the materiel evaluation mission. Starting in FY 1999 funding for Project D699 has been transferred to PE 0605716A Army Evaluation Center established under US Army Operational Test and Evaluation Command (OPTEC) to perform the Army's consolidated developmental and operational evaluation function. Project D699 provides for independent evaluation of all Army non-major systems. This project supports integrated Army evaluation for decision makers at milestone reviews, includes the development of test design, evaluation plans, and subsequent independent evaluations of all acquisition milestones to include recommendations for type classification and materiel release of non-major systems. Evaluation results will be incorporated into a single Army evaluation and presented at all acquisition milestones.

FY 1997 Accomplishments: Project funded under Project D630 in FY 1997.

FY 1998 Planned Program:

- 2239 Funds 35 civilian authorizations required to continue test design and evaluation programs, addressing new developments, production, and materiel changes. Programmed items include:
 - Non-Lethal Ammo Family Suite of Integrated Radio Frequency Countermeasures
 - TRAILBLAZER Sorbent Decontamination System
 - Air Warrior Mounted Warrior
 - Modular Body Armor Armored Security Vehicle
 - Joint Biological Detector Counter Proliferation Long Range Biological Standoff Detector
 - Close Combat Tactical Trainer Force Battle Command Brigade and Below
 - Ground Based Common Sensor - Light
 - 57 Small Business Innovative Research/Small Business Technology Transfer Programs
- Total 2296

FY 1999 Planned Program: Project consolidated into the newly established PE 0605716A Army Evaluation Center under OPTEC.

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)

PROJECT
D699

B. Project Change Summary

	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
FY 1998/1999 President's Budget	0	2389	1966
Appropriated Value		2389	
Adjustments to Appropriated Value		-93	
FY 1999 President's Budget	0	2296	0

Change Summary Explanation: Funding: FY 1999 Funds (-1966) transferred to PE 0605716A Army Evaluation Center under OPTEC.

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