

Office of the  
Director for Operational Test and Evaluation  
Office of the Secretary of Defense

FY1998/1999 Biennial Budget

Directory of Budget Exhibits

Exhibit R-2, PE 0605118D

Exhibit R-2, PE 0605131D

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PENNUMBER: 0605118D  
PETITLE: Director of Operational Test and Evaluation

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit) February, 1997

Appropriation: Operational Test and Evaluation, Defense Program Element Name: Director of Operational Test and Evaluation  
Budget Activity: 06 Program Element Number: 0605118D

Cost (\$ in Millions)	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003
Total Program	12.183	11.437	13.187	13.216	13.365	13.663	13.953	14.237
Element Cost								

A. Mission Description and Budget Item Justification

The Director of Operational Test and Evaluation (DOT&E) is responsible for policy and procedures for all aspects of operational test and evaluation within the Department of Defense (DoD), with particular focus on OT&E that supports major weapon system production decisions. Currently there are approximately 200 Major Defense Acquisition Programs (MDAPs) on the DOT&E oversight list. These MDAPs may not proceed beyond low-rate initial production (LRIP) until adequate operational test and evaluation of the program is completed. This requires early involvement by DOT&E in the planning phase of each program to ensure adequate testing and satisfactory progress through the acquisition milestones toward operational effectiveness, suitability goals and full-scale production. Key elements of the DOT&E's authority for MDAPs include: the approval of Service Test and Evaluation Master Plans (TEMPS) and Service operational test and evaluation (OT&E) plans; assessment of the adequacy of OT&E and the operational effectiveness and suitability of the weapon system; and participation in DoD-wide planning, programming and budgeting activities to highlight test and evaluation capabilities, needs and priorities. As management support of research and development, these funds are budgeted for in Program Element Research Category 6.5.

DOT&E also has statutory responsibility for oversight of the Live Fire Test and Evaluation Program within DoD which is budgeted for under Program Element 0605131D (See Section C of this exhibit).

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The Secretary of Defense recently set forth "Five Themes" for operational testing. These "Themes" or initiatives are designed to gain the most insight and understanding for every dollar invested in test and evaluation while reducing overall test costs. Secretary of Defense Perry's "Five Themes" are:

Theme #1: Early Involvement. This concerns the early involvement by the operational testers in the acquisition process in order to gain earlier understanding of how systems will be used once they are fielded and to identify the tools and resources needed to achieve that good understanding.

Theme #2: More Effective Use of Modeling and Simulation (M&S). Effective M&S and testing are inevitably intertwined. Increased effort is needed to develop test plans and test programs that use M&S that truly contribute to reducing the scope and risks of testing and perhaps even eliminates the requirement for certain tests. We need to move in the direction of simulations that are realistic, highly predictive, and which lead to a real physical understanding of the system being modeled.

Theme #3: Combining Different Types of Testing. This includes the possible combination of operational tests of different systems as well as more emphasis on combined developmental testing (DT) and operational testing (OT). For example, test planners need to give more thought to how to collect DT data that can be used in M&S or other evaluations to gain operational test insights.

Theme #4: Combining Testing and Training. Combining testing and training can add value to each activity, add realism, and obtain opportunities for cost sharing. In the complex environment of training, it can also provide the kinds of stressing conditions that both systems developers and testers are interested in.

Theme #5: Using Operational Testing and the Above Approaches to Support Advanced Concept Technology Demonstration (ACTD) Programs. The challenge is to apply the techniques of operational testing in ways that support the ACTD process. The emphasis must be on providing understanding regarding an ACTD's contribution to military effectiveness and defining ways to provide that insight. A critical key to success with testing in the ACTD arena is the establishment of effective working partnerships with the CINCs.

The "Five Themes" set out by Secretary Perry will require a series of major initiatives with the test community, the military services, and the acquisition programs.

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(U) FY 1996 Accomplishments

- Reviewed Service TEMPs and test plans and provided appropriate guidance to ensure test adequacy; observed preparation for, and conduct of, field operational tests; evaluated OT results and reported evaluations to Congress and DoD senior management; and conducted assessments on programs to include evaluation of projected resource requirements and funding levels for OT&E. Programs benefiting from this oversight service included:

Land Warfare Programs: Abrams Tank Upgrade, Army Tactical Missile System--Brilliant Anti-Armor Submunition (ATACMS-BAT), Army Tactical Missile System Block 1A, Bradley Fighting Vehicle System (BFVS)-A3/M2A3 and M3A3 Program, Close Combat Tactical Trainer (CCTT), Comanche RAH-66, CRUSADER Advanced Field Artillery System/Future Ammunition Resupply Vehicle (AFAS/FARV), Family of Medium Tactical Vehicles (FMTV), Improved Target Acquisition System (ITAS), Javelin Antitank Missile, Joint Surveillance and Target Attack Radar System Common Ground Station (JSTARS-CGS), JSTARS Ground Station Module (JSTARS-GSM), Kiowa Warrior OH-58D, Multiple Launched Rocket System--Improved Fire Control System and Improved Launcher Mechanical System (MLRS-IFCS and MLRS-ILMS), Multiple Launched Rocket System--Extended Range Rocket (MLRS-ERR), NBC Reconnaissance System, Palletized Loading System (PLS), and Stinger Reprogrammable Microprocessor 1 (RMP1) and 2 (RMP2) and Tactical Unmanned Vehicle--Outrider.

Naval Warfare Programs: Advanced Amphibious Assault Vehicle (AAAV), Advanced Combat Direction System (ACDS) Block I, Advanced Integrated Electronic Warfare System (AIEWS), Aegis Spy Radar (AN/SPY-1B/DEDM-4B), Auxiliary Dry Cargo Carrier (ADC/X), AN/SOQ-89 Antisubmarine Warfare Combat System, Cooperative Engagement Capability (CEC) and the associated Advanced Concept Technology Demonstration (ACTD) "Mountain Top", DDG-51 Burke Class Destroyer, Fixed Distribution System (FDS)/Antisubmarine Warfare Surveillance, FutureSea-Based Tactical Aviation Platform (CV/X), Light Airborne Multi-Purpose System (LAMPS) MK III, LPD-17 Amphibious Assault Ship, Mine Countermeasure Ship (MCM-1), Coastal Mine Hunter (MHC-51), MK-48 Advanced Capability (ADCAP) Torpedo, MK-50 Advanced Lightweight Torpedo, New Attack Submarine (NSSL), Rolling Airframe Missile (RAM), SC-21 21st Century Surface Combatant, Sea Sparrow, Ship Self-Defense System (SSDS), SSN-21/BSY-2 Seawolf Class Nuclear Attack Submarine/Combat System, Strategic Sealift Naval Transport Ship (SSP), Standard Missile 2/IIIB-IV/IVA, Submarine Communications Subsystem (SUBCOMMS/SCSS), and TAGOS/SURTASS Surveillance Ship.

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Air Warfare Programs: Advanced Medium Range Air-to-Air Missile (AMRAAM), AIM 9X Infrared Air-to-Air Missile System, AH-1 and UH-1 Helicopter Upgrades (4BW/4BN Upgrade), AV-8B Remanufacture, C-17 Airlift Aircraft, C-130J Cargo Plane, F-16 Fighter Block 50, F-22 Advanced Tactical Fighter, F/A-18 C/D Hornet, F/A-18 E/F Hornet, Joint Air-to-Surface Strike Missile (JASSM), Joint Direct Attack Munition (JDAM), Joint Primary Aircraft Training System (JPATS), Joint Standoff Weapon (JSOW), JSOW BLU-108B, JSOW Unitary, Joint Surveillance and Target Attack Radar System (JSTARS) E-8, JT-UAV Medium Altitude Endurance (Predator), JT-UAV High Altitude Endurance, JT-UAV High Altitude Endurance Low Observables, Sensor Fused Weapon (SFW), JT-45 Training System (T45TS), V-22 Osprey (Joint Vertical Airlift), Standoff Land Attack Missile-Expanded Response (SLAM-ER), and Tactical Aviation Mission Planning System (TAMPS).

Electronic Warfare Programs: ALE-50 Electronic Warfare Countermeasures System, ALR-67(V)2 Radar Warning Receiver, ALR-67(V) Advanced Special Receiver, B-1 Bomber Defensive System Upgrade Program, EA-6B Tactical Jamming System (All Upgrades), F-14/Airborne Self-Protected Jammer (ASPJ), F-15 Tactical Electronic Warfare System (TEWS), Integrated Electronic Countermeasures Suite (IDECMS), Suite of Integrated Infrared Countermeasures/Common Missile Warning System (SIIRCM/CMWS), and Suite of Integrated Radio Frequency Countermeasures (SIRFCM).

Command, Control, Communications and Intelligence (C3I) Programs: All Source Analysis System (ASAS), Army Global Command and Control System (AGCCS), Army Tactical Command and Control System (ATCCS) Capstone, Base Level System Modernization Phase II (BLSM II), Battlefield Digitization, Broad Area Coverage Image Capability (BACIC), C2 Vehicle, Cheyenne Mountain Upgrade, Combat ID, Composite Health Care System (CHCS), Consolidated Space Operations Center (CSOC), Defense Civilian Personnel Data System (DCPDS), Defense Commissary Info System, Defense Medical Logistics Standard Support (DMLSS), Defense Message System (DMS), Defense Commissary Point-of-Sale (POS) System, Defense Fuel Automated Management System (DFAMS), Defense Satellite Communications System (DSCS), Defense Support Program (DSP)/EWS, Depot Maintenance Support System (DMSS), Digital Production System (DPS), Distribution Standard System (DSS), E-2C Hawkeye Airborne Early Warning, E-3A Airborne Warning and Control System (AWACS) Radar System Improvement Program (RSIP), E-6A TACAMO (multiple subprograms), F-15 Fighter Data Link, Forward Area Air Defense System (FAADS) C3I, Global Transportation Network (GTN), High Performance Computing Modification Plan (HPCMP), Integrated Maintenance Data System (IMDS), Joint Computer Aided Acquisition and Logistic Support (JCALS), Joint Engineering Data Management and Control System (JEDMCS/EDMCS), Joint Receiving Information Support System, Joint Service Imagery Processing System (JSIPS), Joint Tactical Information

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Distribution System (JTIDS), Maneuver Control System (MCS), Material Management Support System (MMSS), Multifunctional Information Distribution System (MIDS), MILSTAR Satellite Communications System, NAVSTAR GPS User Equipment (UE), Navy Standard Integrated Personnel System (NSIPS), Non-Tactical Command Support System (NTCSS), Reserve Component Automation System (RCAS), Space Based Infrared System (SBIS), Standard Installation/Division Personnel System 3 (SIDPERS3), Standard Procurement System (SPS), Strategic War Planning System (SWPS), Theater Medical Information Program (TMIP), Ultra-High Frequency Follow-On (UFO) Satellite, and Unit Level Logistic System (ULLS).

Strategic Warfare and Space Systems Programs: B-1B Lancer, B-2 Advanced Technology Bomber, Block IV All-Up-Round, Theater Missile Defense (BM/C3), Corps Surface-to-Air Missile (SAM), Evolved Expendable Launch Vehicle (EELV), Global Missile Defense System (GMDS), National Airspace System (NAS), National Missile Defense System (NMDS), Navy Theater Ballistic Missile Defense (TBMD), Patriot P3I, Patriot Upgrade, Theater High Altitude Area Defense (THAAD), TITAN IV Space Booster, Tomahawk Block IV, and Tomahawk Theater Mission Planning Center (TMPC).

Other Systems: Chemical Demilitarization.

- During fiscal year 1996, DOT&E was a major participant in the DoD-wide study team developing a comprehensive plan, for test and evaluation (T&E) centers for the 21<sup>st</sup> century. The development of the plan, known as "Vision 21", has been in response to Congressional direction in the National Defense Authorization Act for Fiscal Year 1996.
  - Performed official travel to carry out DOT&E programmatic oversight of DoD operational testing and evaluation.
- (U) FY 1997 Plans:
- Review Service TEMPs and test plans and provide appropriate guidance to ensure test adequacy; observe preparation for, and conduct of, field operational (OT) tests; evaluate OT results and report evaluations to Congress and DoD senior management; and conduct assessments on programs to include evaluation of projected resource requirements and funding levels for OT&E. Programs benefiting from this oversight service will include:

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Land Warfare Programs: Abrams Tank (M1A2) System Enhancement Program (SEP), Army Tactical Missile System Brilliant Anti-Armor Submunition (ATACMS/BAT), ATACMS-BAT/Pre-Planned Product Improvement (P3I), Army Tactical Missile System Block 1A, Pedestal Mounted Stinger-Avenger, Bradley Fighting Vehicle System-A3/M2A3 and M3A3 Program, Close Combat Tactical Trainer (CCTT), Comanche RAH-66, CRUSADER Advanced Field Artillery System/Future Ammo Resupply Vehicle (AFAS/FARV), Enhanced Fiber Optic Guided Missile (EFOG-M), Follow-on to TOW Missile System (FOFT), High Mobility Multi-Purpose Light Tactical Vehicle (HMMLTV), Improved Target Acquisition System (ITAS), Javelin Advanced Anti-Tank Weapon System, Joint Surveillance Target Attack Radar System (JSTARS) Common Ground Station (CGS), Kiowa Warrior (OH-58D), Line of Sight Anti-Tank (LOSAT) Weapon System, Longbow Hellfire Missile System, Multiple Launched Rocket System--Extended Range Rocket, Multiple Launched Rocket System (M270A1 Launcher), NBC Reconnaissance System, Palletized Loading System (PLS), Sense and Destroy Armor (SADARM), STINGER Reprogrammable Microprocessor (RMP) and Tactical Unmanned Aerial (UAV)--Outrider.

Naval Warfare Programs: Advanced Amphibious Assault Vehicle (AAAV), Advanced Combat Direction System (ACDS) Block I, Advanced Integrated Electronic Warfare System (AIEWS), Auxiliary Dry Cargo Carrier (ADC/X), Aegis Spy Radar (AN/SPY-1B/DEDM-4B), AN/SQQ-89 Antisubmarine Warfare Combat System, Arsenal Ship, Cooperative Engagement Capability (CEC), DDG-51 Burke Class Destroyer, Future Sea-Based Tactical Aviation Platform (CV/X), SH-6 Multi-Mission Helo Program, LPD-17 Amphibious Assault Ship, Coastal Mine Hunter (MHC-51), MK48 Advanced Capability (ADCAP) Torpedo, New Attack Sub (NSSL), Phalanx Close-in Weapon System (CIWS), Rolling Airframe Missile (RAM), SC-21 21st Century Surface Combatant, Sea Sparrow, Ship Self-Defense System (SSDS), Smart Ship Technology, SSN-21/BSY-2 Seawolf Class Nuclear Attack Submarine/Combat System, Strategic Sealift Naval Transport Ship (SSP), Standard Missile-2/IIIB-IV/IVA, Submarine Communications Subsystem (SUBCOMMS/SCSS), and TAGOS/SURTASS Surveillance Ship.

Air Warfare Programs: AH-1 and UH-1 Helicopter Upgrades (4BN/4BW Upgrade), AIM-9X Missile, Advanced Medium Range Air-to-Air Missile (AMRAAM), C-17 Airlift Aircraft, C-130J Cargo Plane, F-14D Fighter, F/A-18 C/D Hornet, F/A-18 E/F Hornet, F-22 Air Superiority Fighter, Joint Air-to-Surface Strike Missile (JASSM), Joint Direct Attack Munition (JDAM), Joint Primary Aircraft Training System (JPATS), Joint Standoff Attack (JSOW), Joint Strike Fighter, Joint Surveillance and Target Attack Radar System (JSTARS) E-8, JT-UAV Medium Altitude Endurance (Predator), JT-UAV High Altitude Endurance, JT-UAV High Altitude Endurance Low Observables, Sensor Fused Weapon (SFW), Standoff Land Attack Missile-Expanded Response (SLAM-ER), Tactical Aviation Mission Planning System (TAMPS), and V-22 Osprey (Joint Vertical Airlift).

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Electronic Warfare Programs: ALE-50 Electronic Warfare Countermeasure System, ALR-67(V)3/4 Advanced Special Receiver, ALR-69 Radar Warning Receiver, B-1B Bomber Defensive System Upgrade Program, EA-6B Tactical Jamming System (All Upgrades), F-15 Tactical Electronic Warfare System (TEWS), Integrated Defensive Electronic Countermeasures Suite (IDECM), Suite of Integrated Infrared Countermeasures/Common Missile Warning System (SIIRCM/CMWS), and Suite of Integrated Radio Frequency Countermeasures (SIRFCM).

Command, Control, Communications and Intelligence (C3I) Programs: All Source Analysis System (ASAS), Army Global Command and Control System (AGCCS), Army Tactical Command and Control System (ATCCS) Capstone, Base Level System Modernization Phase II (BLSM II), Battlefield Digitization, Broad Area Coverage Image Capability (BACIC), C2 Vehicle, Cheyenne Mountain Upgrade, Combat ID, Composite Health Care System (CHCS), Consolidated Space Operations Center (CSOC), Defense Civilian Personnel Data System (DCPDS), Defense Commissary Info System, Defense Medical Logistics Standard Support (DMLSS), Defense Message System (DMS), Defense Commissary Point-of-Sale (POS) System, Defense Fuel Automated Management System (DFAMS), Defense Satellite Communications System (DSCS), Defense Support Program (DSP)/EWS, Depot Maintenance Support System (DMSS), Digital Production System (DPS), Distribution Standard System (DSS), E-2C Hawkeye Airborne Early Warning, E-3A Airborne Warning and Control System (AWACS) Radar System Improvement Program (RSIP), E-6A TACAMO (multiple subprograms), F-15 Fighter Data Link, Forward Area Air Defense System (FAADS) C3I, Global Transportation Network (GTN), High Performance Computing Modification Plan (HPCMP), Integrated Maintenance Data System (IMDS), Joint Computer Aided Acquisition and Logistic Support (JCALS), Joint Engineering Data Management and Control System (JEDMCS/EDMCS), Joint Receiving Information Support System, Joint Service Imagery Processing System (JSIPS), Joint Tactical Information Distribution System (JTIDS), Maneuver Control System (MCS), Joint Tactical Information System (JMSS), Multifunctional Information Distribution System (MIDS), Material Management Support Communications System, NAVSTAR GPS User Equipment (UE), Navy Standard Integrated Personnel System (NSIPS), Non-Tactical Command Support System (NTCSS), Reserve Component Automation System (RCAS), Space Based Infrared System (SBIS), Standard Installation/Division Personnel System 3 (SIDPERS3), Standard Procurement System (SPS), Strategic War Planning System (SWPS), Theater Medical Information Program (TMIP), Ultra-High Frequency Follow-On (UFO) Satellite, and Unit Level Logistic System (ULLS).

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Other Systems: Chemical Demilitarization.

- Perform official travel to carry out DOT&E programmatic oversight of DoD operational testing and evaluation.
- During fiscal year 1997, DOT&E will continue to be a major participant in the DoD-wide study team developing a comprehensive plan for test and evaluation (T&E) centers for the 21<sup>st</sup> century. The development of the plan, to be known as "Vision 21", is in response to Congressional direction in the National Defense Authorization Act for Fiscal Year 1996.

(U) FY 1998 Plans:

- Review Service TEMPs and test plans and provide appropriate guidance to ensure test adequacy; observe preparation for, and conduct of, field operational tests; evaluate OT results and report evaluations to Congress and DoD senior management; and conduct assessments on programs to include evaluation of projected resource requirements and funding levels for OT&E. Programs benefiting from this oversight service will include:

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Other Systems: Chemical Demilitarization.

• Perform official travel to carry out DOT&E programmatic oversight of DOD operational testing and evaluation.

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Electronic Warfare Programs: ALR-67(V)3/4 Advanced Special Radar, B-1B Bomber Defensive System Upgrade Program, EA-6B Tactical Jamming System (All Upgrades), F-15 Tactical Electronic Warfare System (TEWS), Integrated Defensive Electronic Countermeasures Suite (IDECM), Suite of Integrated Infrared Countermeasures/ Common Missile Warning System (SIIRCM/CMWS), and Suite of Integrated Radio Frequency Countermeasures (SIRFC).

Command, Control, Communications and Intelligence (C3I) Programs: All Source Analysis System (ASAS), Army Global Command and Control System (AGCCS), Army Tactical Command and Control System (ATCCS) Capstone, Base Level System Modernization Phase II (BLSM II), Battlefield Digitization, Broad Area Coverage Image Capability (BACIC), C2 Vehicle, Cheyenne Mountain Upgrade, Combat ID, Composite Health Care System (CHCS), Consolidated Space Operations Center (CSOC), Defense Civilian Personnel Data System (DCPDS), Defense Commissary Info System, Defense Medical Logistics Standard Support (DMLSS), Defense Message System (DMS), Defense Commissary Point-of-Sale (POS) System, Defense Fuel Automated Management System (DFAMS), Defense Satellite Communications System (DSCS), Defense Support Program (DSP)/EWS, Depot Maintenance Support System (DMSS), Digital Production System (DPS), Distribution Standard System (DSS), E-2C Hawkeye Airborne Early Warning, E-3A Airborne Warning and Control System (AWACS) Radar System Improvement Program (RSIP), E-6A TACAMO (multiple subprograms), F-15 Fighter Data Link, Forward Area Air Defense System (FAADS) C3I, Global Transportation Network (GTN), High Performance Computing Modification Plan (HPCMP), Integrated Maintenance Data System (IMDS), Joint Computer Aided Acquisition and Logistic Support (JCAALS), Joint Engineering Data Management and Control System (JEDMCS/EDMCS), Joint Receiving Information Support System, Joint Service Imagery Processing System (JSIPS), Joint Tactical Information Distribution System (JTIDS), Maneuver Control System (MCS), Material Management Support System (MMSS), Multifunctional Information Distribution System (MIDS), MILSTAR Satellite Communications System, NAVSTAR GPS User Equipment (UE), Navy Standard Integrated Personnel System (NSIPS), Non-Tactical Command Support System (NTCSS), Reserve Component Automation System (RCAS), Space Based Infrared System (SBIS), Standard Installation/Division Personnel System 3 (SIDPERS3), Standard Procurement System (SPS), Strategic War Planning System (SWPS), Theater Medical Information Program (TMIP), Ultra-High Frequency Follow-On (UFO) Satellite, and Unit Level Logistic System (ULLS).

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Strategic Warfare and Space Systems Programs: B-1B Lancer, B-2 Advanced Technology Bomber, Block IV All-Up-Round, Theater Missile Defense (BM/C3), Corps Surface-to-Air Missile (SAM), Evolved Expendable Launch Vehicle (EELV), National Airspace System (NAS), National Missile Defense System (NMDS), Patriot P3I, Patriot Upgrade, Navy Theater Ballistic Missile Defense (TBMD), Theater High Altitude Area Defense (THAAD), TITAN IV Space Booster, Tomahawk Block IV, and Tomahawk Theater Missile Planning Center (TMPC).

Other Systems: Chemical Demilitarization.

• Perform official travel to carry out DOT&E programmatic oversight of DoD operational testing and evaluation.

B. Program Change Summary

	<u>FY1996</u>	<u>FY1997</u>	<u>FY1998</u>	<u>FY1999</u>	<u>Total Cost</u>
Previous President's Budget Appropriated Value	12.183	11.980	13.217	13.270	NA
Adjustments to Appropriated Value	12.183	11.980	13.217	13.270	NA
a. Congressional Reductions		-530			NA
(1) FFRDC Reductions (Sec. 8037)					
(2) Canceled Funds (Sec. 8138)		-13			
b. Change in Nonpay Purchases Inflation			-30	-54	
Current Budget Submit/President's Budget	12.183	11.437	13.187	13.216	NA

C. Other Program Funding Summary

Since the passage of the Federal Acquisition Streamlining Act of 1994, DOT&E has had responsibility within the Office of the Secretary of Defense for monitoring and reviewing the live fire test and evaluation (LFT&E) activities of the Department of Defense. In the FY1997 DoD Appropriations Act, Congress added \$3.0 million for "Alternative Uses of Simulation and Training Technologies". Thus, the current budgeted funding for live fire test oversight is:

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Program Element 0605131D	Live Fire Test and Evaluation							
Cost (in Millions)	<u>FY1996</u>	<u>FY1997</u>	<u>FY1998</u>	<u>FY1999</u>	<u>FY2000</u>	<u>FY2001</u>	<u>FY2002</u>	<u>FY2003</u>
Total Program Element Cost	10.404	12.782	10.197	10.231	10.884	11.173	11.409	11.649

D. Schedule Profile

Fiscal Year actual and planned events by quarter

	FY1996				FY1997				FY1998				FY1999			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Contract Milestones: (See activities under Part A above.)

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