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RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2)					February 2003			
OPERATIONAL TEST AND EVALUATION, DEFENSE (0460) BUDGET ACTIVITY SIX			OPERATIONAL TEST AND EVALUATION (OT&E) PROGRAM ELEMENT (PE) 0605118D8Z					
\$'s in Millions	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
PE 0605118D	17.513	26.758	37.323	42.390	44.142	47.843	49.696	53.424

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION

The Director of Operational Test and Evaluation (DOT&E) is responsible under Title 10 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. Generally there are over 200 programs and Advanced Concept Technology Demonstrations (ACTD) on the DOT&E oversight list including 78 Major Defense Acquisition Programs (MDAPs). These MDAPs may not proceed beyond low-rate initial production (LRIP) until OT&E 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 and suitability goals and full-rate production. Key elements of the DOT&E's oversight authority include: the approval of component Test and Evaluation Master Plans (TEMPs) and Service OT&E plans; observation of preparation for, and conduct of, field operational tests; analysis, evaluation, and assessment of the adequacy of OT&E and the operational effectiveness and suitability of the weapon system; reporting results of OT&E that supports beyond LRIP decisions to the Secretary of Defense and Congress, as well as an annual report summarizing all OT&E activities and addressing the adequacy of test resources within the DoD during the previous fiscal year; and participation in DoD-wide planning, programming and budgeting activities to highlight test and evaluation capabilities, needs and priorities. The FY 2003 Appropriations Bill provided \$7.6M and direction to Combatant Commands, Services, and the test and evaluation community to perform operational evaluations of Information Assurance and interoperability of fielded systems during major exercises. DOT&E has partnered with ASD(C3I) and the Joint Staff to initiate this effort. This Program Element also includes funds to obtain Federally Funded Research and Development Center (FFRDC) support in performing the described tasks, as well as funds to perform official travel in support of its activities.

This Research Category 6.5 PE supports management activities for the DOT&E for oversight of operational test and evaluation of the Department's weapon systems.

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Program Accomplishments and Plans:

FY 2002 Accomplishments: Key elements of DOT&E's oversight authority, as described under MISSION ACCOMPLISHMENT AND BUDGET ITEM JUSTIFICATION, were conducted, as applicable, for the following programs:

Land Warfare Programs:

- Aerial Common Sensor (ACS)
- AN/TPQ-47 Counterfire Radar
- Army Tactical Missile System Block II / Brilliant Anti-Armor (ATACMS/BAT) and ATACMS Block II / P3I BAT
- Artemis (Chemical Agent Standoff Detection System)
- Battlefield Command Information System (BCIS)
- Chemical Biological Defense Program (includes multiple acquisition programs)
- Chemical Demilitarization
- CH-47F Improved Cargo Helicopter Upgrade
- Comanche (RAH-66) (includes 20mm Ammunition)
- Crusader
- Distributed Common Ground System (DCGS) - ARMY
- Excalibur (155mm Round)
- Family of Medium Tactical Vehicles (FMTV)
- Future Combat System
- Future Scout/Cavalry System
- High Mobility Artillery Rocket System (HIMARS)
- Interim Armored Vehicle (IAV) - Includes NBC Reconnaissance Vehicle
- Javelin Anti-tank Missile
- Joint Biological Point Detection System
- Joint Biological Stand-Off Detection System
- Joint Chemical Agent Detector
- Joint Land Attack Cruise Missile Defense Elevated Netted Sensor (JLENS)
- Joint Service Light NBC Reconnaissance
- Joint Service Lightweight Standoff Chemical Agent Detector
- Joint Warning & Reporting Network
- Kiowa Warrior (OH-58D)
- Land Warrior
- Line-of-Sight Anti-Tank Missile (LOSAT)
- Longbow Apache (AH-64D)
- Longbow Hellfire Missile (Upgrades/Modifications)

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- M1A2 Abrams Upgrade
- M2/M3 Bradley Upgrade
- M270A1 Multiple Launch Rocket System (MLRS) Upgrade
- Multiple Launch Rocket System Guided Rocket (GMLRS)
- Objective Crew Served Weapon System (OCSWS)
- Objective Individual Combat Weapon System (OICWS)
- Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T)
- Sense and Destroy Armor (SADARM)
- Sensor Fused Munition
- Single Channel Anti-Jam Man-Portable (SCAMP) (MILSTAR, Block II)
- Stinger Re-programmable Microprocessor Missile (RMP)
- Tactical Control System (TCS)
- Tactical Unmanned Aerial Vehicle (TUAV)
- Tow-Fire & Forget Anti-tank Missile
- UH-60M Black Hawk - All Upgrades
- Wide Area Munition (WAM) - Advanced Hornet
- Common Missile

Naval Warfare Programs:

- Acoustic Rapid COTS Insertion for SONAR
- Advanced Amphibious Assault Vehicle (AAAV) - Includes 30mm ammunition
- Advanced Integrated Electronic Warfare System (AIEWS)
- Advanced Land Attack Missile (ALAM)
- Advanced Seal Delivery System (ASDS)
- Airborne Mine Neutralization System / Rapid Airborne Mine Clearance System (AMNS/RAMICS)
- Amphibious Helicopter - Assault (Replacement) (LHA(R)) Ship Class
- Amphibious Helicopter - Dock (LHD) Ship Class
- Amphibious Personnel - Dock (LPD-17) Ship Class - Includes 30mm ammunition
- AN/AAR-47 V2 Upgrade Missile / Laser Warning Receiver
- AN/SPY-1 B/D (All Versions)
- Auxiliary Cargo / Ammunition Ship Class (T-AKE)
- CH60S Helicopter
- Cooperative Engagement Capability (CEC)
- Cruiser Conversion
- CVN (X) Class
- DD(X) land attack destroyer

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- DDG-51 Destroyer (All Variants)
- Evolved Sea Sparrow Missile (ESSM)
- Extended Range Guided Munition (ERGM)
- Fixed Distributed System / Advanced Deployable System (FDS/ADS)
- Integrated Surface Ship ASW Combat System (AN/SQQ-89)
- Joint Command and Control Capability (JCC(X)) Ship Class
- Maritime Prepositioning Force (Future)
- MH-60R Helicopter
- MH-60S Helicopter
- MK-48 MODS ADCAP Torpedo
- Quick Reaction Combat Capability / Ship Self Defense System (QRCC/SSDS)
- Rolling Airframe Missile (RAM)
- SSGN-26 OHIO Class Conversion
- SSN-21 SEAWOLF / AN/BSY-2
- SSN-23 JIMMY CARTER
- SSN-774 VIRGINIA CLASS
- Standard Missile-2 (SM-2) (Block IV)
- Standard Missile-2 (SM-2) (Blocks III/III&B)
- Strategic Sealift Program (SSP) Ship Class
- SUB COMMS (SubECS)
- Surveillance Towed Array Sensor System (SURTASS) / Low Frequency Active (LFA)
- Tactical TOMAHAWK Missile

Air Warfare Programs:

- Advanced Early Warning (AEW)
- Advanced Medium Range Air-to-Air Missile (AMRAAM)
- AIM-9X Missile
- AN/SQQ-89 Antisubmarine Warfare Combat System
- AV-8B
- B1B Lancer
- B2A Spirit
- C-130 Avionics Modernization Program (AMP)
- C-130J All Variants (KC-130J, EC-130J, WC-130J, C-130J-30, and C-130J)
- C-17 Airlift Aircraft
- C-5 Avionics Modernization Program (AMP)
- C-5 Reliability & Reengineering Program

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- Combat Search and Rescue Replacement
- Combat Survivor/Evader Locator
- F/A-18 C/D Hornet
- F/A-18 E/F Super Hornet
- F-22 Air Superiority Fighter
- Global Hawk High Altitude Endurance UAV (HAEUAV)
- Joint Air-to-Surface Strike Missile (JASSM)
- Joint Direct Attack Munition (JDAM)
- Joint Helmet Mounted Cueing System
- Joint Primary Aircraft Training System (JPATS)
- Joint Standoff Weapon (JSOW) Baseline
- Joint Standoff Weapon (JSOW) BLU-108
- Joint Standoff Weapon (JSOW) Unitary
- Joint Strike Fighter (JSF)
- Joint Surveillance Target Attack Radar System (JSTARS)
- Large Aircraft Infrared Countermeasures
- UCAV (Air Force)
- UCAV (Navy)
- USMC H1 Upgrade
- V-22 Osprey

Electronic Warfare Programs:

- Advanced Early Warning (AEW)
- AN/ALR-56 (All Versions) Radar Warning Receiver-All Upgrades
- AN/ALR-67 (All Versions)-includes AN/ALR-67(V)
- AN/APR-39 (All Versions) Radar Warning Receiver-All Upgrades
- Airborne Self Protection Jammer (ASPJ) (ALQ-165)
- B-1B Lancer Conventional Mission Upgrade Program (CMUP)/Defensive System Upgrade Program (DSUP)
- EA-6B Prowler-All Upgrades
- F-15 Tactical Electronic Warfare System (TEWS) including AN/ALQ-135 Self-Protection Jammer
- Integrated Defensive Electronic Countermeasures (IDECM)
- Large Aircraft IRCM
- Suite of Integrated Infrared Countermeasures/Common Missile Warning System (SIIRCM/CMWS)
- Suite of Integrated Radio Frequency Countermeasures (SIRFC)

Command, Control, Communications, and Intelligence Programs:

- Advanced Field Artillery Tactical Data System (AFATDS)/ Army Battle Command System (ABCS)

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- Army Global Command and Contrail System (AGCCS)
- All Source Analysis System (ASAS) (ABCS)
- Business Systems Modernization (BSM)
- Combat Service Support Control System (CSSCS)/ABCS
- Composite Health Care System II (CHCS II)
- Corporate Executive Information System (CEIS)
- CVN-77 Warfare System
- Defense Civilian Personnel Data System (DCPDS)
- Defense Integrated Military Human Resources System (DIMHRS)
- Defense Joint Accounting System (DJAS)
- Defense Medical Logistics Standard Support (DMLSS)
- Defense Message System (DMS)
- Defense Procurement Payment System (DPPS)
- DFAS Corporate Database/Warehouse (DCD/DCW)
- E-3A Airborne Warning and Control System (AWACS) Radar System Improvement Program (RISP)
- E-2C Hawkeye Airborne Early Warning
- Force XXI Battle Command Brigade and Below (FBCB2)
- Forward Area Air Defense Command Control Communications and Intelligence System (FAAD C3I)/ABCS
- Fuels Automated System (FAS)
- Global Combat Support System - Air Force (GCSS-AF)
- Global Transportation Network (GTN-21)
- Integrated Logistics System-Supply (ILS-S)
- Integrated Maintenance Data System (IMDS)
- Integrated System Control (ISYSCON)/Tactical Internet Manager (TIMS)
- Joint Ammunition Management Standard System (JMASS)
- Joint Computer Aided Acquisition and Logistics Support (JCALS)
- Joint Simulation System (JSIMS)/Warfighter Simulation (WARSIM)
- Joint Tactical Radio System Cluster 1
- Joint Tactical Radio Waveforms
- Maneuver Control System (MCS)/ABCS
- MILSTAR Satellite Communications System
- Multifunctional Information Distribution System (MIDS)
- NAVSTAR GPS User Equipment (UE)
- Navy Marine Corps Intranet (NMCI)
- Navy Standard Integrated Personnel System (NSIPS)

R-1 Shopping List – Item No 3- 6 of 27

Exhibit R-2, RDT&E Budget Item Justification

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- Reserve Component Automation System (RCAS)
- Standard Procurement System (SPS)
- Theater Medical Information Program (TMIP)
- TRANSCOM Regulating and Command & Control Evacuation System (TRAC2ES)
- Transportation Coordinators' Automated Information for Movement System II (TC-AIMS II)
- Unmanned Aerial Vehicle Tactical Control System (UAV-TCS)
- Warfighter Information Network – Terrestrial (WIN-T)

Strategic Warfare and Space Systems Programs

- MDA Program
- Evolved Expendable Launch Vehicle (EELV)
- Global Broadcast System (GBS)
- Ground Based Midcourse Defense Segment
- Medium Extended Air Defense System (MEADS)
- Minuteman III Guidance Replacement Program (GRP) Phase I
- Minuteman III Propulsion Replacement Program (PRP)
- Multi-Platform Radar Technology Insertion Program (MP-RTIP)
- National Airspace System (NAS)
- National Polar-Orbiting Operational Environment Satellite (NPOESS)
- Navy Area TBMD
- Navy Theater Wide TBMD
- National Missile Defense
- Patriot Advanced Capability-3 (PAC-3) Missile
- Sea Based Midcourse Defense Segment
- Space-Based Infrared System-High (SBIRS-H)
- Space-Based Infrared System-Low (SBIRS-L)
- Space-Based Laser
- Tactical Tomahawk Mission Planning System / Tomahawk Command & Control System (MPS/TCCS)
- Theater High-Altitude Area Defense (THAAD) / GBR
- Trident II Missile
- Ultra High Frequency (UHF) Follow-on Satellite
- Wideband Gapfiller Satellite (WGS)
- YAL-1 Airborne Laser (ABL)
- Navy EHF SATCOM Program (NESP)

Official Travel:

- Perform official travel to carry out oversight of the OT&E of the DoDs weapons systems.

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FY 2003 Plans: Key elements of DOT&E's oversight authority, as described under MISSION ACCOMPLISHMENT AND BUDGET ITEM JUSTIFICATION, will be conducted, as applicable, for the following programs:

Land Warfare Programs:

- Abrams Tank Upgrade
- Advanced Field Artillery Tactical Data System (AFATDS)
- Aerial Common Sensor (ACS)
- AN/TPQ-47 Counterfire Radar
- Army Tactical Missile System Block II / Brilliant Anti-Armor (ATACMS/BAT) and ATACMS Block II / P3I BAT
- Artemis (Chemical Agent Standoff Detection System)
- Battlefield Command Information System (BCIS)
- Bradley Upgrade
- CH-47F Cargo Helicopter Upgrade
- Chemical Biological Defense Program (includes Artemis, JBAIDS, JBPDS, JBSDS, JCAD, JSFDS, JSLNBCR, JSLSCAD, JSSED, JWARN)
- Chemical Demilitarization
- Comanche (RAH-66) (includes 20mm Ammunition)
- Common Missile
- Distributed Common Ground System (DCGS) - ARMY
- Excalibur (155mm Round)
- Family of Medium Tactical Vehicles (FMTV)
- Future Combat System (includes manned and unmanned ground vehicles, unmanned air vehicles)
- Future Scout/Cavalry System
- Guided Multiple Launch Rocket System (GMLRS)
- High Mobility Artillery Rocket System (HIMARS)
- Javelin Anti-tank Missile
- Joint Warning & Reporting Network
- Kiowa Warrior (OH-58D)
- Land Warrior
- Line-of-Sight Anti-Tank Missile (LOSAT)
- Longbow Apache (AH-64D)
- Longbow Hellfire Missile (Upgrades/Modifications)
- Objective Crew Served Weapon System (OCSWS)
- Objective Individual Combat Weapon System (OICWS)
- Precision Guided Mortar Munitions (PGMM)

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- Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T)
- Sensor Fused Munition
- Single Channel Anti-Jam Man-Portable (SCAMP) (MILSTAR, Block II)
- Stinger Re-programmable Microprocessor Missile (RMP)
- Stryker Armored Vehicle
- Surface-Launched AMRAAM (SLAMRAAM)
- Tow-Fire & Forget Anti-tank Missile
- UH-60M Black Hawk - All Upgrades

Naval Warfare Programs:

- Acoustic Rapid COTS Insertion for SONAR
- Advanced Amphibious Assault Vehicle (AAAV) - Includes 30mm ammunition
- Advanced Seal Delivery System (ASDS)
- Airborne Mine Neutralization System / Rapid Airborne Mine Clearance System (AMNS/RAMICS)
- Amphibious Assault - Dock (LPD-17) Ship Class - Includes 30mm ammunition
- Amphibious Helicopter - Assault (Replacement) (LHA(R)) Ship Class
- Amphibious Helicopter - Dock (LHD) Ship Class
- AN/SPY-1 B/D (All Versions)
- Auxiliary Cargo / Ammunition Ship Class (T-AKE)
- Cobra Judy Replacement – Ship-based Radar System
- Cooperative Engagement Capability (CEC)
- Cruiser Conversion
- CVN (X) Class
- CVN 68 Nimitz Class
- DD(X) land attack destroyer
- DDG-51 Destroyer (All Variants)
- EA-18G (electronic variant of F/A-18)
- Evolved Sea Sparrow Missile (ESSM)
- Extended Range Active Missile
- Extended Range Guided Munition (ERGM)
- Fixed Distributed System / Advanced Deployable System (FDS/ADS)
- HyFly
- Integrated Surface Ship ASW Combat System (AN/SQQ-89)
- Joint Command and Control Capability (JCC(X)) Ship Class
- Littoral Combat Ship (LCS)
- Maritime Prepositioning Force (Future)

R-1 Shopping List – Item No 3- 9 of 27

Exhibit R-2, RDT&E Budget Item Justification

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- MH-60R Helicopter
- MH-60S Helicopter
- MK-48 MODS ADCAP Torpedo
- Naval Integrated Fire Control-Counter Air (NIFC-CA)
- Rolling Airframe Missile (RAM)SSGN Trident Class Conversion
- Ship Self Defense System (SSDS)
- SSN-21 Seawolf / AN/BSY-2
- SSN-23 Jimmy Carter
- SSN-774 Virginia CLASS
- Standard Missile-2 (SM-2) (Blocks I/II/III/IV)
- Strategic Sealift Program (SSP) Ship Class
- SUB COMMS (SubECS)
- Surveillance Towed Array Sensor System (SURTASS) / Low Frequency Active (LFA)
- Tactical Control System (TCS)
- Tactical Tomahawk Missile
- T-AOE(X) Triple Product Station Ship

Air Warfare Programs:

- Active Electronically Scanned Array (AESA)
- Advanced Medium Range Air-to-Air Missile (AMRAAM)
- AGM-88E Advanced Anti-Radiation Guided Missile (AARGM)
- AIM-9X Missile
- Air Early Warning (AEW)
- B-1B Lancer Conventional Munitions Upgrade Program (CMUP)
- B-2 Radar Pathfinder Program (B-2 RPP)
- B-2A Spirit Stealth Bomber
- C-130 Avionics Modernization Program (AMP)
- C-130J All Variants (KC-130J, EC-130J, WC-130J, C-130J-30, and C-130J)
- C-17 Aircraft
- C-5 Avionics Modernization Program (AMP)
- C-5 Reliability & Reengineering Program
- Combat Search and Rescue Replacement
- Combat Survivor/Evader Locator
- F/A-18 E/F Hornet
- F-22 Fighter
- Global Hawk High Altitude Endurance UAV (HAEUAV)

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- Joint Air-to-Surface Strike Missile (JASSM)
- Joint Direct Attack Munition (JDAM)
- Joint Helmet Mounted Cueing System
- Joint Primary Aircraft Training System (JPATS)
- Joint Standoff Weapon (JSOW) Baseline
- Joint Standoff Weapon (JSOW) BLU-108
- Joint Standoff Weapon (JSOW) Unitary
- Joint Strike Fighter (JSF)
- Joint Surveillance Target Attack Radar System (JSTARS)
- KC-135 Global Air Traffic Management (GATM) Upgrade
- KC-767 Aerial Tanker Aircraft
- Multi-Mission Maritime Aircraft (MMA)
- Predator UAV (RQ/MQ-1, MQ-9)
- Sensor Fuzed Weapon (SFW) P3I (CBU-97/B)
- Small Diameter Bomb
- Standoff Land Attack Missile – Expanded Response (SLAM-ER)
- UCAV (Air Force)
- UCAV (Navy)
- USMC H1 Upgrade
- V-22 Osprey
- Vertical Take-Off UAV (VTUAV)

Electronic Warfare Programs:

- Advanced Threat IR Countermeasure/Common Missile Warning System (ATIRCM/CMWS)
- AN/AAR-47 V2 Upgrade Missile/laser Warning Receiver
- AN/ALR-56 (All Versions) Radar Warning Receiver-All Upgrades
- AN/ALR-67 (All Versions)-includes AN/ALR-67(V)
- AN/ALR-69 Radar Warning Receiver
- AN/APR-39A V2 Radar Warning Receiver
- EA-6B Improved Capabilities (ICAP) III & Multiple Upgrades
- F-15 Tactical Electronic Warfare System (TEWS) including AN/ALQ-135 Band 1.5 Fiber-Optic Towed Decoy
- Integrated Defensive Electronic Countermeasures (IDECM)
- Large Aircraft IRCM (LAIRCM)
- Suite of Integrated Radio Frequency Countermeasures (SIRFC)
- Surface Electronic Warfare Improvement Program (SEWIP)

Command, Control, Communications, and Intelligence Programs:

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Exhibit R-2, RDT&E Budget Item Justification

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- Advanced Field Artillery Tactical Data System (AFATDS)/ Army Battle Command System (ABCS)
- Air and Missile Defense Planning and Control System (AMDPACS)
- Air Force Mission Support System (AFMSS)
- All Source Analysis System (ASAS) (ABCS)
- Army Global Command and Control System (AGCCS)
- Broad Area Maritime Surveillance (BAMS)
- Business Systems Modernization (BSM)
- Combat Service Support Control System (CSSCS)/ABCS
- Composite Health Care System II (CHCS II)
- Corporate Executive Information System (CEIS)
- Defense Civilian Personnel Data System (DCPDS)
- Defense Integrated Military Human Resources System (DIMHRS)
- Defense Joint Accounting System (DJAS)
- Defense Medical Logistics Standard Support (DMLSS)
- Defense Message System (DMS)
- Defense Procurement Payment System (DPPS)
- DFAS Corporate Database/Warehouse (DCD/DCW)
- Distributed Common Ground System - Air Force (DCGS-AF)
- E-2C Hawkeye Airborne Early Warning
- E-3A Airborne Warning and Control System (AWACS) Radar System Improvement Program (RISP)
- Force XXI Battle Command Brigade and Below (FBCB2)
- Forward Area Air Defense Command Control Communications and Intelligence System (FAAD C3I)/ABCS
- Fuels Automated System (FAS)
- Global Command and Control System (GCCS) – Joint
- Global Command and Control System (GCCS) – Maritime
- Global Command and Control System -Air Force (GCCS-AF)
- Global Command Support System -Air Force (GCSS-AF)
- Global Transportation Network (GTN-21)
- Integrated Logistics System-Supply (ILS-S)
- Integrated Maintenance Data System (IMDS)
- Integrated System Control (ISYSCON)/Tactical Internet Manager (TIMS)
- Joint Computer Aided Acquisition and Logistics Support (JCALS)
- Joint Mission Planning System (JMPS)
- Joint Precision Approach and Landing System (JPALS)
- Joint Simulation System (JSIMS)/Warfighter Simulation (WARSIM)

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Exhibit R-2, RDT&E Budget Item Justification

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- Joint Tactical Radio System Cluster 1
- Joint Tactical Radio Waveforms
- Maneuver Control System (MCS)/ABCS
- Multifunctional Information Distribution System (MIDS)
- Multiple Platform - Common Data Link (MP-CDL)
- NAVSTAR GPS User Equipment (UE)
- Navy Marine Corps Intranet (NMCI)
- Navy Standard Integrated Personnel System (NSIPS)
- Public Key Infrastructure (PKI)
- Reserve Component Automation System (RCAS)
- Tactical Aircraft Mission Planning System (TAMPS)
- Theater Medical Information Program (TMIP)
- Transportation Coordinators' Automated Information for Movement System II (TC-AIMS II)
- Warfighter Information Network – Terrestrial (WIN-T)

Strategic Warfare and Space Systems Programs:

- Advanced EHF (AEHF)
- Advanced Wide Band System
- MDA Program
- Evolved Expendable Launch Vehicle (EELV)
- Global Broadcast System (GBS)
- Ground Based Midcourse Defense Segment
- Medium Extended Air Defense System (MEADS)
- Minuteman III Guidance Replacement Program (GRP) Phase I
- Minuteman III Propulsion Replacement Program (PRP)
- Mobile User Objective System (MUOS)
- Multi-Platform Radar Technology Insertion Program (MP-RTIP)
- National Airspace System (NAS)
- National Polar-Orbiting Operational Environment Satellite (NPOESS)
- Navy EHF SATCOM Program (NESP)
- Patriot Advanced Capability-3 (PAC-3) Missile
- Sea Based Midcourse Defense Segment
- Space-Based Infrared System-High (SBIRS-H)
- Space-Based Infrared System-Low (SBIRS-L)
- Space-Based Laser
- Tactical Tomahawk Mission Planning System / Tomahawk Command & Control System (MPS/TCCS)

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- Teleport
- Theater High-Altitude Area Defense (THAAD) / GBR
- Titan IV
- Trident II Missile
- Ultra High Frequency (UHF) Follow-on Satellite
- Wideband Gapfiller Satellite (WGS)
- YAL-1 Airborne Laser (ABL)

Information Assurance and Interoperability Evaluations:

- Will convene workshops and meetings to initiate this effort. Specific goals include identification of candidate FY03-04 exercises; development of a plan to enhance, train, and certify Service Red Teams; and identification of metrics that will serve the multiple organizations that will employ the results of these evaluations. Available exercises will be observed, but expanded Red Teaming will be limited.

Official Travel:

- Will perform official travel to carry out oversight of the OT&E of the DoDs weapons systems.

FY 2004 Plans: Key elements of DOT&E's oversight authority, as described under MISSION ACCOMPLISHMENT AND BUDGET ITEM JUSTIFICATION, will be conducted, as applicable, for the following programs:

Land Warfare Programs:

- Abrams Tank Upgrade
- Advanced Field Artillery Tactical Data System (AFATDS)
- Aerial Common Sensor (ACS)
- AN/TPQ-47 Counterfire Radar
- Army Tactical Missile System Block II / Brilliant Anti-Armor (ATACMS/BAT) and ATACMS Block II / P3I BAT
- Artemis (Chemical Agent Standoff Detection System)
- Battlefield Command Information System (BCIS)
- Bradley Upgrade
- CH-47F Cargo Helicopter Upgrade
- Chemical Biological Defense Program (includes Artemis, JBAIDS, JBPDS, JBSDS, JCAD, JSFDS, JSLNBCR, JSLSCAD, JSSED, JWARN)
- Chemical Demilitarization
- Comanche (RAH-66) (includes 20mm Ammunition)
- Common Missile
- Distributed Common Ground System (DCGS) - ARMY
- Excalibur (155mm Round)
- Family of Medium Tactical Vehicles (FMTV)

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- Future Combat System (includes manned and unmanned ground vehicles, unmanned air vehicles)
- Future Scout/Cavalry System
- Guided Multiple Launch Rocket System (GMLRS)
- High Mobility Artillery Rocket System (HIMARS)
- Javelin Anti-tank Missile
- Joint Warning & Reporting Network
- Kiowa Warrior (OH-58D)
- Land Warrior
- Line-of-Sight Anti-Tank Missile (LOSAT)
- Longbow Apache (AH-64D)
- Longbow Hellfire Missile (Upgrades/Modifications)
- Objective Crew Served Weapon System (OCSWS)
- Objective Individual Combat Weapon System (OICWS)
- Precision Guided Mortar Munitions (PGMM)
- Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T)
- Sensor Fused Munition
- Single Channel Anti-Jam Man-Portable (SCAMP) (MILSTAR, Block II)
- Stinger Re-programmable Microprocessor Missile (RMP)
- Stryker Armored Vehicle
- Surface-Launched AMRAAM (SLAMRAAM)
- Tow-Fire & Forget Anti-tank Missile
- UH-60M Black Hawk - All Upgrades

Naval Warfare Programs:

- Acoustic Rapid COTS Insertion for SONAR
- Advanced Amphibious Assault Vehicle (AAAV) - Includes 30mm ammunition
- Advanced Seal Delivery System (ASDS)
- Airborne Mine Neutralization System / Rapid Airborne Mine Clearance System (AMNS/RAMICS)
- Amphibious Assault - Dock (LPD-17) Ship Class - Includes 30mm ammunition
- Amphibious Helicopter - Assault (Replacement) (LHA(R)) Ship Class
- Amphibious Helicopter - Dock (LHD) Ship Class
- AN/SPY-1 B/D (All Versions)
- Auxiliary Cargo / Ammunition Ship Class (T-AKE)
- Cobra Judy Replacement – Ship-based Radar System
- Cooperative Engagement Capability (CEC)
- Cruiser Conversion

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- CVN (X) Class
- CVN 68 Nimitz Class
- DD(X) land attack destroyer
- DDG-51 Destroyer (All Variants)
- EA-18G (electronic variant of F/A-18)
- Evolved Sea Sparrow Missile (ESSM)
- Extended Range Active Missile
- Extended Range Guided Munition (ERGM)
- Fixed Distributed System / Advanced Deployable System (FDS/ADS)
- HyFly
- Integrated Surface Ship ASW Combat System (AN/SQQ-89)
- Joint Command and Control Capability (JCC(X)) Ship Class
- Littoral Combat Ship (LCS)
- Maritime Prepositioning Force (Future)
- MH-60R Helicopter
- MH-60S Helicopter
- MK-48 MODS ADCAP Torpedo
- Naval Integrated Fire Control-Counter Air (NIFC-CA)
- Rolling Airframe Missile (RAM)SSGN Trident Class Conversion
- Ship Self Defense System (SSDS)
- SSN-21 Seawolf / AN/BSY-2
- SSN-23 Jimmy Carter
- SSN-774 Virginia CLASS
- Standard Missile-2 (SM-2) (Blocks I/II/III/IV)
- Strategic Sealift Program (SSP) Ship Class
- SUB COMMS (SubECS)
- Surveillance Towed Array Sensor System (SURTASS) / Low Frequency Active (LFA)
- Tactical Control System (TCS)
- Tactical Tomahawk Missile
- T-AOE(X) Triple Product Station Ship

Air Warfare Programs:

- Active Electronically Scanned Array (AESA)
- Advanced Medium Range Air-to-Air Missile (AMRAAM)
- AGM-88E Advanced Anti-Radiation Guided Missile (AARGM)
- AIM-9X Missile

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- Air Early Warning (AEW)
- B-1B Lancer Conventional Munitions Upgrade Program (CMUP)
- B-2 Radar Pathfinder Program (B-2 RPP)
- B-2A Spirit Stealth Bomber
- C-130 Avionics Modernization Program (AMP)
- C-130J All Variants (KC-130J, EC-130J, WC-130J, C-130J-30, and C-130J)
- C-17 Aircraft
- C-5 Avionics Modernization Program (AMP)
- C-5 Reliability & Reengineering Program
- Combat Search and Rescue Replacement
- Combat Survivor/Evader Locator
- F/A-18 E/F Hornet
- F-22 Fighter
- Global Hawk High Altitude Endurance UAV (HAEUAV)
- Joint Air-to-Surface Strike Missile (JASSM)
- Joint Direct Attack Munition (JDAM)
- Joint Helmet Mounted Cueing System
- Joint Primary Aircraft Training System (JPATS)
- Joint Standoff Weapon (JSOW) Baseline
- Joint Standoff Weapon (JSOW) BLU-108
- Joint Standoff Weapon (JSOW) Unitary
- Joint Strike Fighter (JSF)
- Joint Surveillance Target Attack Radar System (JSTARS)
- KC-135 Global Air Traffic Management (GATM) Upgrade
- KC-767 Aerial Tanker Aircraft
- Multi-Mission Maritime Aircraft (MMA)
- Predator UAV (RQ/MQ-1, MQ-9)
- Sensor Fuzed Weapon (SFW) P3I (CBU-97/B)
- Small Diameter Bomb
- Standoff Land Attack Missile – Expanded Response (SLAM-ER)
- UCAV (Air Force)
- UCAV (Navy)
- USMC H1 Upgrade
- V-22 Osprey
- Vertical Take-Off UAV (VTUAV)

R-1 Shopping List – Item No 3- 17 of 27

Exhibit R-2, RDT&E Budget Item Justification

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Electronic Warfare Programs:

- Advanced Threat IR Countermeasure/Common Missile Warning System (ATIRCM/CMWS)
- AN/AAR-47 V2 Upgrade Missile/laser Warning Receiver
- AN/ALR-56 (All Versions) Radar Warning Receiver-All Upgrades
- AN/ALR-67 (All Versions)-includes AN/ALR-67(V)
- AN/ALR-69 Radar Warning Receiver
- AN/APR-39A V2 Radar Warning Receiver
- EA-6B Improved Capabilities (ICAP) III & Multiple Upgrades
- F-15 Tactical Electronic Warfare System (TEWS) including AN/ALQ-135 Band 1.5 Fiber-Optic Towed Decoy
- Integrated Defensive Electronic Countermeasures (IDECM)
- Large Aircraft IRCM (LAIRCM)
- Suite of Integrated Radio Frequency Countermeasures (SIRFC)
- Surface Electronic Warfare Improvement Program (SEWIP)

Command, Control, Communications, and Intelligence Programs:

- Advanced Field Artillery Tactical Data System (AFATDS)/ Army Battle Command System (ABCS)
- Air and Missile Defense Planning and Control System (AMDPCS)
- Air Force Mission Support System (AFMSS)
- All Source Analysis System (ASAS) (ABCS)
- Army Global Command and Contrail System (AGCCS)
- Broad Area Maritime Surveillance (BAMS)
- Business Systems Modernization (BSM)
- Combat Service Support Control System (CSSCS)/ABCS
- Composite Health Care System II (CHCS II)
- Corporate Executive Information System (CEIS)
- Defense Civilian Personnel Data System (DCPDS)
- Defense Integrated Military Human Resources System (DIMHRS)
- Defense Joint Accounting System (DJAS)
- Defense Medical Logistics Standard Support (DMLSS)
- Defense Message System (DMS)
- Defense Procurement Payment System (DPPS)
- DFAS Corporate Database/Warehouse (DCD/DCW)
- Distributed Common Ground System - Air Force (DCGS-AF)
- E-2C Hawkeye Airborne Early Warning
- E-3A Airborne Warning and Control System (AWACS) Radar System Improvement Program (RISP)
- Force XXI Battle Command Brigade and Below (FBCB2)

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- Forward Area Air Defense Command Control Communications and Intelligence System (FAAD C3I)/ABCS
- Fuels Automated System (FAS)
- Global Command and Control System (GCCS) – Joint
- Global Command and Control System (GCCS) – Maritime
- Global Command and Control System -Air Force (GCCS-AF)
- Global Command Support System -Air Force (GCSS-AF)
- Global Transportation Network (GTN-21)
- Integrated Logistics System-Supply (ILS-S)
- Integrated Maintenance Data System (IMDS)
- Integrated System Control (ISYSCON)/Tactical Internet Manager (TIMS)
- Joint Computer Aided Acquisition and Logistics Support (JCALS)
- Joint Mission Planning System (JMPS)
- Joint Precision Approach and Landing System (JPALS)
- Joint Simulation System (JSIMS)/Warfighter Simulation (WARSIM)
- Joint Tactical Radio System Cluster 1
- Joint Tactical Radio Waveforms
- Maneuver Control System (MCS)/ABCS
- Multifunctional Information Distribution System (MIDS)
- Multiple Platform - Common Data Link (MP-CDL)
- NAVSTAR GPS User Equipment (UE)
- Navy Marine Corps Intranet (NMCI)
- Navy Standard Integrated Personnel System (NSIPS)
- Public Key Infrastructure (PKI)
- Reserve Component Automation System (RCAS)
- Tactical Aircraft Mission Planning System (TAMPS)
- Theater Medical Information Program (TMIP)
- Transportation Coordinators' Automated Information for Movement System II (TC-AIMS II)
- Warfighter Information Network – Terrestrial (WIN-T)

Strategic Warfare and Space Systems Programs:

- Advanced EHF (AEHF)
- Advanced Wide Band System
- MDA Program
- Evolved Expendable Launch Vehicle (EELV)
- Global Broadcast System (GBS)
- Ground Based Midcourse Defense Segment

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- Medium Extended Air Defense System (MEADS)
- Minuteman III Guidance Replacement Program (GRP) Phase I
- Minuteman III Propulsion Replacement Program (PRP)
- Mobile User Objective System (MUOS)
- Multi-Platform Radar Technology Insertion Program (MP-RTIP)
- National Airspace System (NAS)
- National Polar-Orbiting Operational Environment Satellite (NPOESS)
- Navy EHF SATCOM Program (NESP)
- Patriot Advanced Capability-3 (PAC-3) Missile
- Sea Based Midcourse Defense Segment
- Space-Based Infrared System-High (SBIRS-H)
- Space-Based Infrared System-Low (SBIRS-L)
- Space-Based Laser
- Tactical Tomahawk Mission Planning System / Tomahawk Command & Control System (MPS/TCCS)
- Teleport
- Theater High-Altitude Area Defense (THAAD) / GBR
- Titan IV
- Trident II Missile
- Ultra High Frequency (UHF) Follow-on Satellite
- Wideband Gapfiller Satellite (WGS)
- YAL-1 Airborne Laser (ABL)

Information Assurance and Interoperability Evaluations:

- Will continue to execute and expand this effort. Specific goals include execution of enhanced Red Teaming in major exercises for each Service and half of the Combatant Commands.

Official Travel:

- Will perform official travel to carry out oversight of the OT&E of the DoDs weapons systems.

FY 2005 Plans: Key elements of DOT&E's oversight authority, as described under MISSION ACCOMPLISHMENT AND BUDGET ITEM JUSTIFICATION, will be conducted, as applicable, for the following programs:

Land Warfare Programs:

- Abrams Tank Upgrade
- Advanced Field Artillery Tactical Data System (AFATDS)
- Aerial Common Sensor (ACS)
- AN/TPQ-47 Counterfire Radar
- Army Tactical Missile System Block II / Brilliant Anti-Armor (ATACMS/BAT) and ATACMS Block II / P3I BAT

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- Artemis (Chemical Agent Standoff Detection System)
- Battlefield Command Information System (BCIS)
- Bradley Upgrade
- CH-47F Cargo Helicopter Upgrade
- Chemical Biological Defense Program (includes Artemis, JBAIDS, JBPDS, JBSDS, JCAD, JSFDS, JSLNBCR, JSLSCAD, JSSED, JWARN)
- Chemical Demilitarization
- Comanche (RAH-66) (includes 20mm Ammunition)
- Common Missile
- Distributed Common Ground System (DCGS) - ARMY
- Excalibur (155mm Round)
- Family of Medium Tactical Vehicles (FMTV)
- Future Combat System (includes manned and unmanned ground vehicles, unmanned air vehicles)
- Future Scout/Cavalry System
- Guided Multiple Launch Rocket System (GMLRS)
- High Mobility Artillery Rocket System (HIMARS)
- Javelin Anti-tank Missile
- Joint Warning & Reporting Network
- Kiowa Warrior (OH-58D)
- Land Warrior
- Line-of-Sight Anti-Tank Missile (LOSAT)
- Longbow Apache (AH-64D)
- Longbow Hellfire Missile (Upgrades/Modifications)
- Objective Crew Served Weapon System (OCSWS)
- Objective Individual Combat Weapon System (OICWS)
- Precision Guided Mortar Munitions (PGMM)
- Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T)
- Sensor Fused Munition
- Single Channel Anti-Jam Man-Portable (SCAMP) (MILSTAR, Block II)
- Stinger Re-programmable Microprocessor Missile (RMP)
- Stryker Armored Vehicle
- Surface-Launched AMRAAM (SLAMRAAM)
- Tow-Fire & Forget Anti-tank Missile
- UH-60M Black Hawk - All Upgrades

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Naval Warfare Programs:

- Acoustic Rapid COTS Insertion for SONAR
- Advanced Amphibious Assault Vehicle (AAAV) - Includes 30mm ammunition
- Advanced Seal Delivery System (ASDS)
- Airborne Mine Neutralization System / Rapid Airborne Mine Clearance System (AMNS/RAMICS)
- Amphibious Assault - Dock (LPD-17) Ship Class - Includes 30mm ammunition
- Amphibious Helicopter - Assault (Replacement) (LHA(R)) Ship Class
- Amphibious Helicopter - Dock (LHD) Ship Class
- AN/SPY-1 B/D (All Versions)
- Auxiliary Cargo / Ammunition Ship Class (T-AKE)
- Cobra Judy Replacement – Ship-based Radar System
- Cooperative Engagement Capability (CEC)
- Cruiser Conversion
- CVN (X) Class
- CVN 68 Nimitz Class
- DD(X) land attack destroyer
- DDG-51 Destroyer (All Variants)
- EA-18G (electronic variant of F/A-18)
- Evolved Sea Sparrow Missile (ESSM)
- Extended Range Active Missile
- Extended Range Guided Munition (ERGM)
- Fixed Distributed System / Advanced Deployable System (FDS/ADS)
- HyFly
- Integrated Surface Ship ASW Combat System (AN/SQQ-89)
- Joint Command and Control Capability (JCC(X)) Ship Class
- Littoral Combat Ship (LCS)
- Maritime Prepositioning Force (Future)
- MH-60R Helicopter
- MH-60S Helicopter
- MK-48 MODS ADCAP Torpedo
- Naval Integrated Fire Control-Counter Air (NIFC-CA)
- Rolling Airframe Missile (RAM)SSGN Trident Class Conversion
- Ship Self Defense System (SSDS)
- SSN-21 Seawolf / AN/BSY-2
- SSN-23 Jimmy Carter

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- SSN-774 Virginia CLASS
- Standard Missile-2 (SM-2) (Blocks I/II/III/IV)
- Strategic Sealift Program (SSP) Ship Class
- SUB COMMS (SubECS)
- Surveillance Towed Array Sensor System (SURTASS) / Low Frequency Active (LFA)
- Tactical Control System (TCS)
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- C-17 Aircraft
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- C-5 Reliability & Reengineering Program
- Combat Search and Rescue Replacement
- Combat Survivor/Evader Locator
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- Global Hawk High Altitude Endurance UAV (HAEUAV)
- Joint Air-to-Surface Strike Missile (JASSM)
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- Joint Standoff Weapon (JSOW) Baseline
- Joint Standoff Weapon (JSOW) BLU-108
- Joint Standoff Weapon (JSOW) Unitary
- Joint Strike Fighter (JSF)

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- Joint Surveillance Target Attack Radar System (JSTARS)
- KC-135 Global Air Traffic Management (GATM) Upgrade
- KC-767 Aerial Tanker Aircraft
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- All Source Analysis System (ASAS) (ABCS)
- Army Global Command and Contrail System (AGCCS)
- Broad Area Maritime Surveillance (BAMS)
- Business Systems Modernization (BSM)
- Combat Service Support Control System (CSSCS)/ABCS

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- Composite Health Care System II (CHCS II)
- Corporate Executive Information System (CEIS)
- Defense Civilian Personnel Data System (DCPDS)
- Defense Integrated Military Human Resources System (DIMHRS)
- Defense Joint Accounting System (DJAS)
- Defense Medical Logistics Standard Support (DMLSS)
- Defense Message System (DMS)
- Defense Procurement Payment System (DPPS)
- DFAS Corporate Database/Warehouse (DCD/DCW)
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- E-3A Airborne Warning and Control System (AWACS) Radar System Improvement Program (RISP)
- Force XXI Battle Command Brigade and Below (FBCB2)
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- Joint Mission Planning System (JMPS)
- Joint Precision Approach and Landing System (JPALS)
- Joint Simulation System (JSIMS)/Warfighter Simulation (WARSIM)
- Joint Tactical Radio System Cluster 1
- Joint Tactical Radio Waveforms
- Maneuver Control System (MCS)/ABCS
- Multifunctional Information Distribution System (MIDS)
- Multiple Platform - Common Data Link (MP-CDL)
- NAVSTAR GPS User Equipment (UE)
- Navy Marine Corps Intranet (NMCI)
- Navy Standard Integrated Personnel System (NSIPS)

R-1 Shopping List – Item No 3- 25 of 27

Exhibit R-2, RDT&E Budget Item Justification

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- Public Key Infrastructure (PKI)
- Reserve Component Automation System (RCAS)
- Tactical Aircraft Mission Planning System (TAMPS)
- Theater Medical Information Program (TMIP)
- Transportation Coordinators' Automated Information for Movement System II (TC-AIMS II)
- Warfighter Information Network – Terrestrial (WIN-T)

Strategic Warfare and Space Systems Programs:

- Advanced EHF (AEHF)
- Advanced Wide Band System
- MDA Program
- Evolved Expendable Launch Vehicle (EELV)
- Global Broadcast System (GBS)
- Ground Based Midcourse Defense Segment
- Medium Extended Air Defense System (MEADS)
- Minuteman III Guidance Replacement Program (GRP) Phase I
- Minuteman III Propulsion Replacement Program (PRP)
- Mobile User Objective System (MUOS)
- Multi-Platform Radar Technology Insertion Program (MP-RTIP)
- National Airspace System (NAS)
- National Polar-Orbiting Operational Environment Satellite (NPOESS)
- Navy EHF SATCOM Program (NESP)
- Patriot Advanced Capability-3 (PAC-3) Missile
- Sea Based Midcourse Defense Segment
- Space-Based Infrared System-High (SBIRS-H)
- Space-Based Infrared System-Low (SBIRS-L)
- Space-Based Laser
- Tactical Tomahawk Mission Planning System / Tomahawk Command & Control System (MPS/TCCS)
- Teleport
- Theater High-Altitude Area Defense (THAAD) / GBR
- Titan IV
- Trident II Missile
- Ultra High Frequency (UHF) Follow-on Satellite
- Wideband Gapfiller Satellite (WGS)
- YAL-1 Airborne Laser (ABL)

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Information Assurance and Interoperability Evaluations:

- Will continue to execute and expand this effort. Specific goals include execution of enhanced Red Teaming in major exercises for each Service and all of the Combatant Commands.

Official Travel:

- Will perform official travel to carry out oversight of the OT&E of the DoDs weapons systems.

B. (U) PROGRAM CHANGE SUMMARY

(\$ in Millions)	<u>FY 2002</u> <u>Appropriation</u>	<u>FY 2003</u> <u>President's</u> <u>Budget</u>	<u>FY 2004</u> <u>President's</u> <u>Budget</u>	<u>FY 2005</u> <u>President's</u> <u>Budget</u>
FY 2003 President's Budget	17.258	19.725	19.950	20.235
Current Budget Submit	17.513	26.758	37.323	42.390
Total Adjustments	0.255	7.033	17.373	22.155
Congressional Program Reductions		(0.567)		
Congressional Rescissions	(0.085)			
Congressional Increases				
Legacy Systems Information Assurance		7.600		
Reprogramming	0.340 ¹			
Program Adjustment			18.000	23.000
Inflation Adjustment			(0.627)	(0.845)

Notes:

1. Reprogramming from 060580D4 to PE 0605118D

C. (U) OTHER PROGRAM FUNDING NA