

Activity Summary

DOT&E activity for FY05 involved oversight of 279 programs, including 38 major automated information systems. Oversight activity begins with the early acquisition milestones, continues through approval for full-rate production and, in some instances, during full production until deleted from the DOT&E oversight list.

Our review of test planning activities for FY05 included approval of 56 Test and Evaluation Master Plans (TEMPs)/Test and

Evaluation Strategies, as well as 50 Operational Test Plans. Live Fire Test and Evaluation (LFT&E) activity included the approval of 10 LFT&E Strategies and Test Plans for inclusion in the TEMPs. In FY05 through December 31, 2005, DOT&E prepared nine reports for the Secretary of Defense and Congress.

DOT&E also prepared and submitted numerous reports to the Defense Acquisition Board (DAB) principals for consideration in DAB deliberations.

TEST AND EVALUATION MASTER PLANS / STRATEGIES APPROVED

Advanced Field Artillery Tactical Data System (AFATDS)	Expeditionary Combat Support System (ECSS)
Advanced SEAL Delivery System (ASDS) Revision B	Extended Range/Multipurpose (ER/MP) Unmanned Aerial Vehicle System (UAVS) Increment 1
AGM-154C Joint Standoff Weapon System Revision B	F/A-18E/F Software Qualification Testing (SQT) Revision C
Air and Missile Defense Planning and Control System (AMDPCS)	F/A-22
Air and Space Operations Center Weapon System (AOC-WS) Block 10 Capstone	Global Broadcast Service (GBS)
AN/ALR-69A Radar Warning Receiver	Global Combat Support System (GCSS) (Combatant Command/Joint Task Force) (CC/JTF) Phase 6
AN/SPY-1 Radar System	Global Command and Control System - Joint (GCCS-J) Block IV Annex
Armed Reconnaissance Helicopter (ARH)	Global Command and Control System - Maritime (GCCS-M)
Army General Fund Enterprise Business System (GFEBS)	Guided Multiple Launch Rocket System (GMLRS) with Dual Purpose Improved Conventional Munitions (DPICM)
Ballistic Missile Defense System (BMDS) Integrated Master Test Plan (IMTP)	High Mobility Artillery Rocket System (HIMARS) Update
Battle Command Sustainment Support System (BCS3)	Integrated Strategic Planning and Analysis Network (ISPAN)
Business Systems Modernization (BSM)	Integrated Strategic Planning and Analysis Network (ISPAN) Modernization (MOD) Program
C-5 Reliability and Re-engining Program (RERP) Updated	Integrated System Control System Version 4 (ISYSCON V4) software Version 6.4
C-17	Joint Land Attack Cruise Missile Defense Elevated Netted Sensor System (JLENS)
C-130J	Joint Surveillance Target and Attack Radar System (JSTARS)
Cooperative Engagement Capability (CEC) Revision 3	Key Management Infrastructure (KMI) Version 1.9
DD(X) Destroyer Program Revision B TEMP	Littoral Combat Ship (LCS)
Defense Commissary Agency Commissary Advanced Resale Transaction System (CARTS)	Maneuver Control System (MCS)
Defense Enterprise Accounting and Management System (DEAMS)	Navy Advanced Extremely High Frequency (AEHF) Multi-Band Terminal (NMT)
Defense Travel System (DTS) Version 1.3	Shared Reconnaissance Pod (SHARP) F/A-18E/F Integration
Deployable Joint Command and Control (DJC2)	Small Diameter Bomb (SDB)
DoD Distributed Common Ground/Surface System (DCGS) Capstone	
E-2C Mission Computer Upgrade (MCU) Revision B	
Evolved Expendable Launch Vehicle (EELV)	

DOT&E ACTIVITY AND OVERSIGHT

Space-Based Infrared System (SBIRS)
Spider XM155
Standoff Land Attack Missile - Expanded Response (SLAM-ER)
Revision E
Stryker Mobile Gun System (MGS)
Stryker Nuclear, Biological, and Chemical Reconnaissance Vehicle
(NBCRV) Revision 1
Submarine Exterior Communications System (SubECS) Capstone

Surface Electronic Warfare Improvement Program (SEWIP) Block 1A
Theater Battle Management Core System (TBMCS) Annex P,
Spiral 1.1.3
Torpedo Mk 49 ADCAP Rev 9
UH-60M Black Hawk
XM982 Excalibur Precision Engagement Projectiles

OPERATIONAL TEST PLANS APPROVED

AAR-47(V)2 Missile Warning System Force Development Evaluation
Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion
(ARCI)-AN/BQQ-10(V) Sonar System OT-IIA
Advanced Electronically Scanned Array (AESA) Phase III Radar
Upgrade (RUG) Operational Assessment (OT-C1 Phase 2)
Advanced SEAL Delivery Vehicle (ASDS) OPEVAL (OT-IIIA)
Amphibious Assault Ships Replacement (LHA(R)) Program Early
Operational Evaluation
AN/ALR-69A Radar Warning Receiver Operational Assessment
AN/SPY-1D(V) Radar System OT-IIG1
Army Battle Command Systems (ABCS) 6.4 Event Design Plan
Business System Modernization IOT&E
C-5 Avionics Modernization Program (AMP) Qualification Operational
Test and Evaluation (QOT&E)
C-130J (Stretch) Aircraft Event Design Plan version 2.0
C-130J/J-30 Phase 2 Qualification Operational Test and Evaluation
(QOT&E)
Defense Travel System (DTS) Monroe 1.7 Release LUT
Deployable Joint Command and Control (DJC2) MOT&E
DoD Teleport System, Generation One IOC-2 FOT&E
Evolved Sea Sparrow Missile (ESSM) OT-D1
F/A-22 Increment 1 FOT&E
F/A-22 Low Observable Stability Over Time Revision 1.2 Force
Development Evaluation
F/A-22 Operational Flight Program 3.1.3 Force Development Evaluation
Test Plan
F/A-22 TDS Mission Data Optimization, Annex B(05)
F-15 Annex, JMPS IOT&E
Future Aircraft Carrier (CVN 21) Initial Operational Test and
Evaluation (OT-B1)
Global Broadcast Service (GBS) Space System MOT&E-1
Global Command and Control System - Joint (GCCS-J) v4.0 Global
Release OTP
Global Information Grid Bandwidth Expansion (GIG-BE) FOT&E
Joint Air-to-Surface Standoff Missile (JASSM) FOT&E (3/2005)
Joint Air-to-Surface Standoff Missile (JASSM) FOT&E (5/2005)
Joint Biological Agent Identification and Diagnostic System
(JBAIDS) MOT&E
Joint Mission Planning System - Maritime (JMPS-M) OPEVAL OT-IIA,
OT-IIB
Joint Mission Planning System (JMPS)
Joint Warning and Reporting Network Block II Operational Assessment
1 Plan
KC-130J OT-IIIC(2)
KC-135 Global Air Traffic Management (GATM) Block 40.2
Large Aircraft Infrared Countermeasures (LAIRCM) System Phase II OA
Littoral Combat Ship (LCS) Program OT-IA
MH-60R Multi-Mission Helicopter OPEVAL OT-IIB
Mk 48 ACOT-GCB Advanced Capability (ADCAP) Torpedo Follow-on
Operational Test and Evaluation (OT-IIIG)
Mobile Gun System Armor Coupon Combined Event Design Plan and
Detailed Test Plan
MV-22 OSPREY OT-IIG
RQ-4A Global Hawk Operational Assessment
Serial COTF/0028
Shared Reconnaissance Pod (SHARP) System OPEVAL (OT-IIB)
Ship Self Defense System (SSDS) Mk 2 Mod 1 Program FOT&E OT-IIIB
Phase 2
Ship Self Defense System (SSDS) Mk 2 Mod 2 Program Follow-on
Operational Test and Evaluation (OT-IIIC Phase 1)
Suite of Integrated Radio Frequency Countermeasures AN/ALQ-211(V)
Flight Test

DOT&E ACTIVITY AND OVERSIGHT

Surface Electronic Warfare Improvement Program (SEWIP) Operational Assessment OT-D2

Surface Electronic Warfare Improvement Program (SEWIP) OT-D3

System Configuration Set (SCS) H-2E+, DT-III-H-2E+/OT-IIIIC-H-2E+

Transportation Coordinators' Automated Information for Movements System II (TC-AIMS II) Block 2 Event Design Plan

XM155 Spider LUT

LIVE FIRE TEST AND EVALUATION STRATEGIES AND TEST PLANS

C-130J Engine Nacelle Fire Extinguishing Evaluation (ENFEE) Test Plan

DD(X) Destroyer Live Fire Management Plan

Future Destroyer, DD(X) Live Fire Management Plan

Ground-Based Midcourse Defense Element Integrated Ground Test-3 Test Plan

Heavy Lift Replacement (HLR) Helicopter Program's Alternative LFT&E Strategy

Joint Air-to-Surface Standoff Missile (JASSM) Electronic Safe and Arm Fuze (ESAF) LFT&E Strategy

Small Diameter Bomb (SDB) Flight Test SV-13a Test Plan

Small Diameter Bomb (SDB) Flight Test SV-8 Test Plan

Small Diameter Bomb (SDB) Static Destination Test Plan

XM1022 Long Range Sniper Ammunition LFT&E Strategy

REPORTS TO CONGRESS

PROGRAM	REPORT TYPE	DATE
CH-47F Improved Cargo Helicopter - Block 1	Combined OT&E / LFT&E Report	November 2004
Joint Standoff Weapon Unitary (JSOW-C)	Combined OT&E / LFT&E Report	December 2004
Department of Defense National Airspace System (DoD NAS)	OT&E Report	March 2005
F/A-22	Combined OT&E / LFT&E Report	March 2005
Guided Multiple Launch Rocket System (GMLRS) - XM30 Rocket	Combined OT&E / LFT&E Report	May 2005
Large Aircraft Infrared Countermeasures (LAIRCM) System	OT&E Report	May 2005
High Mobility Artillery Rocket System (HIMARS)	Combined OT&E / LFT&E Report	June 2005
V-22 Osprey Program	Combined OT&E / LFT&E Report	September 2005
EA-6B Improved Capability Three (ICAP III) Weapons System	OT&E Report	October 2005

During FY05, DOT&E met with Service operational test agencies, program officials, private sector organizations, and academia; monitored test activities; and provided information to the DAB committees as well as the DAB principals, the Secretary and Deputy Secretary of Defense, the Under Secretary of Defense (Acquisition, Technology, and Logistics), the Service Secretaries, and Congress. Active on-site participation in, and observation of, tests and test-related activities remain the most effective tools.

In addition to on-site participation and local travel within the national capital region, staff assistants took 571 trips to support the DOT&E mission.

Security considerations preclude identifying classified programs in this report. The objective, however, is to ensure operational effectiveness and suitability do not suffer due to extraordinary security constraints imposed on those programs.

DOT&E ACTIVITY AND OVERSIGHT

Program Oversight

DOT&E is responsible for approving the adequacy of plans for operational test and evaluation, and for reporting the operational test results for all major defense acquisition programs to the Secretary of Defense, Under Secretary of Defense (Acquisition, Technology, and Logistics), Service Secretaries, and Congress. For DOT&E oversight purposes, major defense acquisition programs were defined in the law to mean those programs meeting the criteria for reporting under section 2430, title 10, United States Code (Selected Acquisition Reports (SARs)). The law (sec.139(a)(2)(B)) also stipulates that DOT&E may designate any other programs for the purpose of oversight, review, and reporting. With the addition of such “non-major” programs, DOT&E was responsible for oversight of a total of 279 acquisition programs during FY05.

Non-major programs are selected for DOT&E oversight after careful consideration of the relative importance of the individual program. In determining non-SAR systems for oversight, consideration is given to one or more of the following essential elements:

- Congress or OSD agencies have expressed a high level of interest in the program.
- Congress has directed that DOT&E assess or report on the program as a condition for progress or production.
- The program requires joint or multi-Service testing. The law (sec. 139(b)(4)) requires DOT&E to coordinate “testing conducted jointly by more than one military department or defense agency.”
- The program exceeds or has the potential to exceed the dollar threshold definition of a major program according to DoD 5000.1, but does not appear on the current SAR list (e.g., highly classified systems).
- The program has a close relationship to or is a key component of a major program.
- The program is an existing system undergoing major modification.
- The program was previously a SAR program and operational testing is not yet complete.

This office is also responsible for the oversight of LFT&E programs, in accordance with 10 USC 139. DoD regulation uses the term “covered system” to include all categories of systems or programs identified in 10 USC 2366 as requiring Live Fire test and evaluation. In addition, systems or programs that do not have acquisition points referenced in 10 USC 2366, but otherwise meet the statutory criteria, are considered “covered systems” for the purpose of DOT&E oversight.

A covered system, for the purpose of oversight for LFT&E, has been determined by DOT&E to meet one or more of the following criteria:

- A major system, within the meaning of that term in 10 USC 2302(5), that is:
 - User-occupied and designed to provide some degree of protection to the system or its occupants in combat
 - A conventional munitions program or missile program
- A conventional munitions program for which more than 1,000,000 rounds are planned to be acquired
- A modification to a covered system that is likely to significantly affect the survivability or lethality of such a system

DOT&E was responsible for the oversight of 96 LFT&E acquisition programs during FY05.

PROGRAMS UNDER DOT&E OVERSIGHT CALENDAR YEAR 2005 (As taken from the January 2005 Official T&E Oversight List)

ARMY PROGRAMS

- Abrams Tank Upgrade
- Advanced Field Artillery Tactical Data System (AFATDS)
- Advanced Threat Infrared Countermeasures/Common Missile Warning System (ATIRCM/CMWS)
- Aerial Common Sensor (ACS)
- Air and Missile Defense Planning and Control System (AMDPCS)
- All Source Analysis System (ASAS)
- Armed Reconnaissance Helicopter (ARH) Program
- Battle Command Sustainment Support System (BCS3)
- Black Hawk Upgrades (UH-60M) – Utility Helicopter Upgrades
- Bradley Upgrade – Bradley M2A3 Infantry/M3A3 Cavalry Fighting Vehicle
- CH-47F – Cargo Helicopter (CH-47D Helicopter Upgrade Program)
- Defense Support Program (DSP) Multi-Mission Mobile Processor (DM3P)
- Distributed Common Ground System - Army (DCGS-A)
- Excalibur (Family of Precision, 155 mm Projectiles)
- Extended Range/Multipurpose Unmanned Aerial Vehicle (ER/MP UAV)
- Family of Medium Tactical Vehicles (FMTV)
- Force XXI Battle Command Brigade and Below (FBCB2) Program
- Future Cargo Aircraft
- Future Combat System (FCS) and all associated systems, including:
 - Network Battle Command
 - Infantry Carrier Vehicle (ICV)
 - Command and Control Vehicle (C2V)
 - Recon and Surveillance Vehicle (R&SV)
 - Mounted Combat System (MCS)
 - Non-Line-of-Sight Mortar (NLOS-M)
 - Non-Line-of-Sight Cannon (NLOS-C)
 - Medical Vehicle (MV) (Treatment and Evacuation Variant)
 - FCS Recovery Maintenance Vehicle (FRMV)
 - UAV Class I
 - UAV Class II
 - UAV Class III
 - UAV Class IV (Fire Scout)
- Armed Robotic Vehicle (ARV) Assault (ASLT)
- Armed Robotic Vehicle (ARV) Assault Light (ASLT(L))
- Armed Robotic Vehicle (ARV) Reconnaissance and Surveillance Target and Acquisition (RSTA)
- Multi-Function Utility/Logistics and Equipment Vehicle (MULE) Countermine
- Multi-Function Utility/Logistics and Equipment Vehicle (MULE) Transport
- Small Manpackable Unmanned Ground Vehicle (SUGV)
- Unattended Ground Sensors (UGS) (Tactical and Urban UGS)
- Non-Line-of-Sight Launch System (NLOS-LS) – to include Precision Attack Munition (PAM) and Loitering Attack Munition (LAM)
- Intelligent Munitions System (IMS)
- Mid-Range Munitions (MRM)
- General Fund Enterprise Business System (GFEBs)
- Global Combat Support System – Army (GCSS-A)
- Global Command and Control System – Army (GCCS-A)
- Guided Multiple Launch Rocket System (GMLRS) – Dual Purpose Improved Conventional Munitions (DPICM)
- Guided Multiple Launch Rocket System (GMLRS) – Unitary
- High Mobility Artillery Rocket System (HIMARS), including HIMARS Armored Cab
- Integrated System Control (ISYSCON V4)
- Javelin Anti-Tank Missile System – Medium
- Joint Common Missile
- Joint Land Attack Cruise Missile Defense Elevated Netted Sensors (JLENS)
- Joint Mission Planning System (JMPS)
- Joint Network Transport Capability-Spiral (JNTC-S)/Joint Network Node (JNN)
- Joint Tactical Radio System (JTRS) Cluster 1 (JTRS Cluster 1)
- Joint Tactical Radio System (JTRS) Cluster 5 (JTRS Cluster 5)
- Joint Tactical Radio System Waveform (JTRS WAVEFORM)
- Kiowa Warrior (OH-58D)
- Land Warrior – Integrated Soldier Fighting System for Infantrymen
- Light Utility Helicopter
- Longbow Apache (AH-64D) Block II

ARMY PROGRAMS (continued)

Longbow Apache (AH-64D) Block III
 Hellfire Missile (Upgrades/Modifications), including Longbow (RF) and SAL
 Maneuver Control System (MCS) Army Tactical Command and Control System (MCS (ATCCS))
 Mobile Tactical High Energy Laser (MTHL)
 Objective Individual Combat Weapon (OICW) Increment I
 Objective Individual Combat Weapon (OICW) Increment II
 Objective Individual Combat Weapon (OICW) Increment III
 PATRIOT/Medium Extended Air Defense System Combined Aggregate Program (PATRIOT/MEADS CAP)
 Precision Guided Mortar Munitions (PGMM)
 Shadow Unmanned Aerial Vehicle (Shadow UAV)
 Single Channel Anti-Jam Man-Portable (SCAMP) (MILSTAR, Block II)
 Single Channel Anti-Jam Man-Portable (SCAMP) System Enhancement Program (SEP)
 Small Unmanned Aerial Vehicle (Small UAV)
 Spider XM7 Network Command Munition

Stryker – Armored Vehicle and all associated systems, including:

- Stryker – Anti-Tank Guided Missile Vehicle
- Stryker – Commander’s Vehicle
- Stryker – Engineer Squad Vehicle
- Stryker – Fire Support Vehicle
- Stryker – Infantry Carrier Vehicle
- Stryker – Medical Evacuation Vehicle
- Stryker – Mortar Carrier
- Stryker – Reconnaissance Vehicle
- Stryker – Mobile Gun System
- Stryker – Nuclear, Biological, and Chemical (NBC) Reconnaissance Vehicle

 Suite of Integrated Radio Frequency Countermeasures (SIRFC) (AN/ALQ-211)
 Surface-Launched AMRAAM (SLAMRAAM)
 Transportation Coordinators’ Automated Information for Movements System II (TC-AIMS II)
 Warfighter Information Network-Tactical (WIN-T)
 XM307 Advanced Crew Served Weapon System (ACSWS) (formerly the OCSWS)

NAVY PROGRAMS

21” Mission Reconfigurable Unmanned Undersea Vehicle (21” MRUV)
 Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion for SONAR
 Active Electronically Scanned Array (AESA)
 Advanced Deployable System (ADS)
 Advanced SEAL Delivery System (ASDS)
 AGM-88E Advanced Anti-Radiation Guided Missile (AARGM) Program
 AIM-9X Air-to-Air Missile Upgrade
 Airborne Mine Neutralization System (AMNS)
 Air Early Warning (AEW)
 AN/AAR-47 V2 Upgrade Missile/Laser Warning Receiver
 AN/ALR-67 Advanced Special Receiver (ASR) V2 and V3
 AN/APR-39A V2 Radar Warning Receiver
 AN/SPY-1 B/D (All Versions)
 AN/WSQ-11 Countermeasure Anti-Torpedo
 Ballistic Missile Technical Collection (BMTC)

Broad Area Maritime Surveillance (BAMS)
 CG(X) – Next Generation Cruiser
 Cooperative Engagement Capability (CEC)
 Cobra Judy Replacement (CJR) - Ship-based Radar System
 CVN 21 – Next Generation Nuclear Aircraft Carrier
 CVN 68 – *Nimitz* Class Nuclear Powered Aircraft Carriers
 DDG 51 Guided Missile Destroyer
 DD(X) Future Surface Combatant including Long Range Land Attack Projectile
 Defense Integrated Military Human Resources System (DIMHRS)
 Deployable Joint Command and Control (DJC2)
 E-2C Advanced Hawkeye (E2C Radar Modernization Program (RMP))
 E-2D Reproduction Hawkeye Carrier-based Early Warning Aircraft

NAVY PROGRAMS (continued)

EA-6B Improved Capabilities (ICAP) III and Multiple Upgrades (Low Band Transmitter, Band 7-8 Transmitter, USQ-113 Communications Jammer)	Multi-Mission Maritime Aircraft (MMA)
EA-18G (Electronic Attack variant of F/A-18)	Naval Integrated Fire Control-Counter Air (NIFC-CA)
Expeditionary Fighting Vehicle (EFV)	Navy Advanced EHF Multi-Band Terminal (NMT)
Evolved Sea Sparrow Missile (ESSM)	Navy Enterprise Resource Planning (ERP) (includes Navy Enterprise Maintenance Automated Information System (NEMAIS))
Extended Range Munition (ERM)	Navy-Marine Corps Intranet (NMCI)
F/A-18 E/F Hornet Naval Strike Fighter (All Upgrades)	Rapid Airborne Mine Clearance System (RAMICS)
Fixed Distributed System (FDS)	Rolling Airframe Missile (RAM)
Global Command and Control System – Maritime (GCCS-M)	Ship Self Defense System (SSDS)
Global Combat Support System – Marine Corps (GCSS-MC)	SSGN <i>Ohio</i> Class Conversion
H-1 Upgrades (4BW/4BN) – U.S. Marine Corps Upgrade to AH-1W Attack Helicopter and UH-1N Utility Helicopter	SSN 21 <i>Seawolf</i> /AN/BSY-2
Heavy Lift Replacement (HLR) Helicopter (CH-53X Upgrade to U.S. Marine Corps H-53 Program)	SSN 774 <i>Virginia</i> Class Submarine
Identification Friend or Foe Mark XIIIA Mode 5	Standard Missile 2 (SM-2) Block IIIB
Integrated Defensive Electronic Countermeasure (IDECM)	Standard Missile 2 (SM-2) Block IV
Joint High Speed Vessel (JHSV)	Standard Missile 6 (SM-6)
Joint Mission Planning System (JMPS)	Submarine Exterior Communications System (SubECS) (Includes Common Submarine Radio Room (CSRR))
Joint Standoff Weapon (JSOW) Baseline Variant and Unitary Warhead Variant	Surface Electronic Warfare Improvement Program (SEWIP)
KC-130J Aircraft	T-45TS – Undergraduate Jet Pilot Training System
LHA(R) – New Amphibious Assault Ship	T-AKE <i>Lewis & Clark</i> Class of Auxiliary Dry Cargo Ships
LHD 1 Amphibious Assault Ship	T-AOE(X) Fast Combatant Support Ship
LHD 8 Amphibious Assault Ship	Tactical Control System (TCS)
Littoral Combat Ship (LCS)	Tactical Tomahawk Missile
LPD 17 Amphibious Transport Dock (Includes 30 mm ammunition)	Tactical Tomahawk Mission Planning System/Tomahawk Command and Control System (MPS/TCCS)
Maritime Prepositioning Force (Future) (MPF (F))	Trident II Missile
MH-60R Multi-Mission Helicopter Upgrade	V-22 Osprey Joint Advanced Vertical Lift Aircraft
MH-60S Helicopter (Utility helicopter)	Vertical Take-Off Unmanned Aerial Vehicle (VTUAV)
Mk 48 Torpedo Mods	VH-71 Presidential Helicopter Fleet Replacement Program (formerly the VXX program)
Multi-Functional Information Distribution System – Low Volume Terminal (MIDS-LVT)	

AIR FORCE PROGRAMS

Advanced Extremely High Frequency (AEHF) Program	Advanced Polar System (APS)
Advanced Medium Range Air-to-Air Missile (AMRAAM)	Air Operations Center – Weapons System (AOC-WS)

AIR FORCE PROGRAMS (continued)

Airborne Warning and Control System (AWACS (E-3)) Upgrades	Global Positioning System III (GPS III)
ALR-56M Radar Warning Receiver	Global Transportation Network-21 (GTN-21)
ALR-69A Radar Warning Receiver	Integrated Strategic Planning and Analysis Network (ISPAN)
B-2 SPIRIT Advanced Extremely High Frequency SatCom Capability (B-2 EHF)	Joint Air-to-Surface Standoff Missile (JASSM) and JASSM Expanded Response (ER)
B-2 Radar Modernization Program (B-2 RMP)	Joint Direct Attack Munition (JDAM)
B-52 Re-engining Program	Joint Helmet Mounted Cueing System (JHMCS)
B-52 Standoff Jammer (SOJ)	Joint Precision Approach and Landing System (JPALS)
Battle Control System – Mobile (BCS-M) (formerly the Tactical Air Control System (TACS))	Joint Primary Aircraft Training System (JPATS)
C-5 Avionics Modernization Program (AMP)	Joint Tactical Radio System (JTRS) Airborne/Maritime/Fixed Station (AMF)
C-5 Reliability and Re-engining Program (RERP)	Joint Unmanned Combat Air System (JOINT UCAS) (Includes Air Force and Navy UAV programs)
C-17A – Globemaster III Advance Cargo Aircraft	KC-135 Global Air Traffic Management (GATM) Upgrade
C-130 Avionics Modernization Program (C-130 AMP)	KC-135 Tanker Replacement Program (KC-135 Replacement)
C-130J Hercules Cargo Aircraft (All Variants)	Large Aircraft Infrared Countermeasures (LAIRCM)
Combatant Commanders Integrated Command and Control System (CCIC2S)	Milstar – Satellite Low/Med-Data Rate Communications
Combat Information Transport System Combatant (CITS)	Minuteman III Guidance Replacement Program (GRP)
Combat Survivor Evader Locator (CSEL) and the PRC Family of Handheld Survivor Radios	Minuteman III Propulsion Replacement Program (PRP)
Defense Enterprise Accounting Management System (DEAMS)	Mission Planning System (MPS) including the Joint Mission Planning System (JMPS)
Deliberate and Crisis Action Planning and Execution Segments (DCAPES)	Mobile User Objective System (MUOS)
Distributed Common Ground System – Air Force (DCGS-AF) (including Block 10)	Multi-Platform Radar Technology Insertion Program (MP RTIP)
E-4B Modernization Program	Multiple Platform – Common Data Link (MP-CDL)
E-8 Joint Surveillance Target Attack Radar System (JSTARS)	National Airspace System (NAS)
E-10A Multi-Sensor Command and Control Aircraft (MC2A) Program	National Polar-Orbiting Operational Environment Satellite System (NPOESS)
Evolved Expendable Launch Vehicle (EELV)	NAVSTAR Global Positioning System (GPS)
Expeditionary Combat Support Systems (ECSS)	Navy Extremely High Frequency (NESP) Satellite Communications (SATCOM) Program
F-15 Tactical Electronic Warfare Suite (TEWS) (AN/ALQ-135 Band 1.5 Fiber-Optic Towed Decoy)	Orbital Deep Space Imager (ODSI)
F/A-22 – Advanced Tactical Fighter	Personnel Recovery Vehicle (PRV)
F-35 Joint Strike Fighter (JSF)	Predator Unmanned Aerial Vehicle (UAV) RQ/MQ-1
F-117 Infrared Acquisition and Designation System (IRADS)	Predator B Armed Unmanned Aerial Vehicle (UAV) MQ 9
Family of Beyond Line-of-Sight Terminals (FAB-T)	Space-Based Infrared System Program, High Component (SBIRS HIGH)
Global Broadcast Service (GBS)	Space-Based Radar (SBR)
Global Command and Control System – Air Force (GCCS-AF)	Small Diameter Bomb (SDB)
Global Hawk High-Altitude Endurance Unmanned Aerial Vehicle	Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T)

AIR FORCE PROGRAMS (continued)

Theater Battle Management Core System (TBMCS)
 Transformational SATCOM System (TSAT)

Ultra High Frequency (UHF) Follow-on Satellite
 Wideband Gapfiller

OTHER DoD PROGRAMS

Ballistic Missile Defense Program

- Aegis Ballistic Missile Defense (BMD) and SM-3 BLOCK I
- Ground-Based Midcourse Defense Segment (Includes Ground-Based Interceptor [GBI], Ground-Based Radar [GBR], and Battle Management C3 [BMC3])
- Space Tracking and Surveillance System (STSS)
- Terminal High-Altitude Area Defense (THAAD)
- YAL-1 Airborne Laser (ABL)

Artemis (Chemical Agent Standoff Detection System)

Business System Modernization (BSM)

Chemical Demilitarization Program – Assembled Chemical Weapons Alternatives (CHEM DEMIL-ACWA)

Chemical Demilitarization Program – Chemical Materials Agency (CHEM DEMIL-CMA)

Chemical Demilitarization Program – Chemical Materials Agency Newport (CHEM DEMIL-CMA NEWPORT)

Composite Health Care System II (CHCS II)

Consolidated Advanced Resale Transaction System (CARTS)

Defense Message System (DMS)

Defense Travel System (DTS)

Global Combat Support System COCOM/JTF (GCSS (CC/JTF))

Global Command and Control System – Joint (GCCS J)

Global Electromagnetic Spectrum Information System (GEMSIS)

Global Information Grid Bandwidth Expansion (GIG-BE)

High Performance Computing Modernization (HPCM)

Internet Protocol version 6 (IPv6)

Joint Biological Agent Identification and Diagnostic System (JBAIDS)

Joint Biological Point Detection System (JBPDS)

Joint Biological Standoff Detection System (JBSDS)

Joint Chemical Agent Detector (JCAD)

Joint Command and Control (JC2)

Joint Service Light Nuclear, Biological, and Chemical (NBC) Reconnaissance System (JSLNBCRS)

Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD)

Joint Service Sensitive Equipment Decontamination (JSSED)

Joint Warning and Reporting Network (JWARN)

Key Management Infrastructure (KMI)

Net-Centric Enterprise Services (NCES)

Public Key Infrastructure (PKI)

Single Integrated Air Picture (SIAP)

Teleport

Theater Medical Information Program (TMIP)