

Activity Summary

DOT&E activity for FY06 involved oversight of 293 programs, including 136 major defense acquisition programs and 45 major automated information systems. Oversight activity begins with the early acquisition milestones, continues through approval for full-rate production and, in some instances, continues during full production until deleted from the DOT&E oversight list.

Our review of test planning activities for FY06 included approval of 57 Test and Evaluation Master Plans (TEMPs) / Test and Evaluation Strategies, and 53 Operational Test Plans. Live Fire

Test and Evaluation (LFT&E) activity included the approval of seven LFT&E Strategies and Test Plans for inclusion in the TEMPs. During FY06 through October 2006, DOT&E prepared six Beyond Low-Rate Initial Production 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 Deployable System (ADS) - Revision 2

Advanced Threat Infrared Countermeasures/Common Missile Warning System (ATIRCM/CMWS)

Airborne Electronic Attack (AEA) Integration into the F/A-18E/F

Amphibious Assault Ship Replacement (LHA(R))

Amphibious Assault Ship Replacement Program (LHA(R)) - Change 1
Apache Block III

Armed Forces Health Longitudinal Technology Application
Block 2 - Version 1.2 Update

Ballistic Missile Defense System (BMDS) Integrated Master Test Plan
Baseline IV Tactical Tomahawk Weapon System Program - Revision D
Business Systems Modernization (BSM)

Combat Control System (CCS) AN/BYG-1(V) - Annex F, Revision 3

Combatant Commanders Integrated Command and Control System
(CCIC2S) Spiral 2

CVN 21 Future Carrier Program, Revision A - Change 1

Common Submarine Radio Room (CSRR) - Change 1

Common Submarine Radio Room (CSRR) - Change 2

DD(X) Destroyer Program - Revision C

Deployable Joint Command and Control (DJC2) Increment 1, Spiral 1.0

DoD Public Key Infrastructure (PKI) - Version 1.7.3

DoD Teleport

EA-6B Improved Capability (ICAP) III

Expeditionary Fighting Vehicle (EFV) - Change 2

F/A-18 APG-79 Active Electronically Scanned Array (AESA) Radar
Upgrade Phase III

F/A-18 Software Qualification Test (SQT) - Revision D

F/A-18E/F Software Qualification Testing (SQT)

Future Combat Systems (FCS)

Heavy Lift Replacement (HLR) Helicopter

Integrated Defensive Electronic Countermeasures (IDECM) - Annex B,
Revision A

Internet Protocol - Version 6

Joint Biological Point Detection System (JBPDS) - Change Pages

Joint Chemical Agent Detector(JCAD)

Joint Command and Control (JC2)

Joint High Speed Vessel (JHSV)

Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD)
Increment 1

Land Warrior

Large Aircraft Infrared Countermeasures (LAIRCM)

Light Utility Helicopter

Logistics Vehicle System Replacement (LVSF)

LPD 17 Amphibious Transport Dock Program - Revision C

MH-60R Multi-Mission Helicopter Preplanned Product
Improvement - Revision C

Mobile Users Objective System (MUOS)

MQ-9 Reaper Hunter-Killer

Ohio Class Conversion (SSGN) Submarine - Revision A

Precision-Guided Mortar Munitions (PGMM)

Small Unmanned Aerial Vehicle (SUAV)

Spider XM7 Network Command Munition

Stryker Mobile Gun System (MGS) - Revision 2

Stryker Nuclear, Biological, and Chemical Reconnaissance Vehicle
(NBCRV)

Suite of Integrated Infrared Countermeasures (SIIRCM)

DOT&E ACTIVITY AND OVERSIGHT

TEST AND EVALUATION MASTER PLANS / STRATEGIES APPROVED

T-AKE Dry Cargo/Ammunition Ship Program - Revision 3.0
Transportation Coordinators' - Automated Information for Movement System II (TC-AIMS II) Block 3
UH-60M Black Hawk Helicopter
U.S. Army Stryker Family of Vehicles - Change Pages

U.S. Marine Corps H-1 Upgrades
V-22 Osprey
Virginia (SSN 774) Class Submarine
XM395 Precision-Guided Mortar Munitions

OPERATIONAL TEST PLANS APPROVED

ALQ-99 Low Band Transmitter Phase II Antenna Group IOT&E Plan
AN/SPY-1D(V) Radar System Operational Evaluation Plan
AN/WLD-1(V)1 Remote Mine-hunting System Program Operational Assessment Plan
B-2 Radar Modernization Program Operational Assessment Plan
Ballistic Missile Defense System (BMDS) Block 06 Operational Assessment Plan
Business Systems Modernization (BSM) Release 2.2 Operational Assessment Plan
C-5 Reliability Enhancement and Re-Engining Program (RERP) Operational Assessment
Combat Control System (CCS) AN/BYG-1 Follow-on T&E Plan
Combatant Commanders Integrated Command and Control System (CCIC2S) Increment 2 Test and Evaluation Master Plan
Common Missile Warning System (CMWS) Event Design Plan – IOT&E
Common Submarine Radio Room (CSRR) *Seawolf* Variant Operational Evaluation Plan
Common Submarine Radio Room (CSRR) *Seawolf* Variant Operational Assessment Plan
Composite Health Care System II (CHCS II) Block I System Assessment Plan
Cooperative Engagement Capability (CEC) Follow-on T&E Plan
CV-22 Operational Utility Evaluation and Cold Weather Evaluation
DDG 51 Flight IIA Destroyer Follow-on T&E Plan
Deployable Joint Command and Control (DJC2) Operational Assessment Plan
Deployable Joint Command and Control (DJC2) Multi-Service OT&E Plan
Dry Cargo/Ammunition Ship (T-AKE) Program Operational Evaluation Plan
E-3 Airborne Warning and Control System (AWACS) Block 40/45 Operational Assessment Plan
E-4B Block I Modification Operational Utility Evaluation Plan
EA-6B Improved Capabilities III (ICAP III) Block II Follow-on T&E Plan
Expeditionary Fighting Vehicle (EFV) Detailed Assessment Plan

Expeditionary Fighting Vehicle (EFV) Special Test Events Plan
F/A-18 Active Electronically Scanned Array (AESA) Radar Integrated Test Plan
F/A-18E/F System Configuration Set H3E Operational Test Addendum
F-15 Joint Mission Planning Systems (JMPS) Version 1.2 Test Plan Revision
Family of Medium Tactical Vehicles (FMTV) Event Design Plan
General Fund Enterprise Business System (GFEBS) System Assessment Plan
Global Command and Control System – Joint (GCCS-J) Version 4.0.2/4.0.3 Operational Assessment Plan
Global Command and Control System – Army (GCCS-A) Operational Assessment Plan
Global Hawk Block 10 Operational Assessment (Revision)
Identification Friend or Foe (IFF) Mark XIIA Mode 5 Operational Assessment Plan
Integrated Defensive Electronic Countermeasures (IDECM) Block 3 (IB-3) Operational Evaluation Plan
Joint Biological Point Detection System (JBPDS) Increment 1 Multi-Service OT&E Plan
Joint Chemical Agent Detector (JCAD) Event Design Plan
Joint Chemical Agent Detector (JCAD) Increment 1 Event Design Plan – Field Simulant Testing
Joint Chemical Agent Detector (JCAD) Increment 1 Event Design Plan – Nuclear, Biological, and Chemical Contamination Survivability Testing
Joint Chemical Agent Detector (JCAD) Increment 1 Event Design Plan – Operational Assessment
Joint Network Node (JNN) IOT&E Plan
Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD) Increment 1 Event Design Plan – Modeling and Simulation
Joint Standoff Weapon (JSOW) Operational Flight Software (OFS) Force Development Evaluation Plan
Land Warrior Event Design Plan – Limited User Test
Littoral Combat Ship (LCS) Early Operational Assessment

DOT&E ACTIVITY AND OVERSIGHT

OPERATIONAL TEST PLANS APPROVED (continued)

Mk 48 Advanced Capabilities (ADCAP) Phase 1 Common Broadband Advanced Sonar System (CBASS) Torpedo Test and Evaluation Master Plan	Ship Self Defense System (SSDS) Mk 2, Mod 1 Follow-on T&E Plan
Navy-Marine Corps Intranet (NMCI) Detailed Assessment Plan	Small Diameter Bomb (SDB) Increment 1 IOT&E Plan
PATRIOT Event Design Plan – Post Deployment Build and Limited User Test	Small Unmanned Aerial Vehicle (SUAV) Event Design Plan – IOT&E
Rolling Airframe Missile Block I Upgrade Program Follow-on T&E Plan	Stryker Nuclear, Biological, and Chemical Reconnaissance Vehicle (NBCRV) IOT&E Plan
	U.S. Marine Corps H-1 Upgrades Operational Evaluation Plan

LIVE FIRE TEST AND EVALUATION STRATEGIES AND TEST PLANS

20 mm PGU-28/B Replacement Combat Round	Joint Air-to-Surface Standoff Missile (JASSM) Electronic Safe and Arm Fuze
Amphibious Assault Ship Replacement Program (LHA(R))	Stryker Mobile Gun System (MGS)
Dry Cargo / Ammunition Ship (T-AKE)	Virginia Class Submarine
Future Aircraft Carrier (CVN 21) – Change 1	

BEYOND LOW-RATE INITIAL PRODUCTION (BLRIP) REPORTS TO CONGRESS

Program	Report Type	Date
EA-6B Improved Capability Three (ICAP III) Weapons System	OT&E Report	October 2005
Joint Biological Agent Identification and Diagnostic System (JBAIDS) – Block 1	OT&E Report	February 2006
MH-60R Multi-Mission Helicopter	Combined OT&E / LFT&E Report	March 2006
Common Missile Warning System (CMWS)	OT&E Report	April 2006
Surface Electronic Warfare Improvement Program (SEWIP) – Block 1A	OT&E Report	June 2006
Small Diameter Bomb Increment One (SDB)	Combined OT&E / LFT&E Report	October 2006

During FY06, 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, onsite participation in and observation of tests and test-related activities remains our most effective tool. In addition to onsite participation and local travel,

approximately 564 trips outside the National Capital Region supported the DOT&E mission.

Not all programs on DOT&E oversight are identified and evaluated in this report. Security considerations preclude identifying classified programs. DOT&E does not report on classified programs and programs without significant operational test activities.

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 Congress, Secretary of Defense, Under Secretary of Defense (Acquisition, Technology and Logistics), and Service Secretaries. For DOT&E oversight purposes, major defense acquisition programs are 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 293 acquisition programs during FY06.

Non-major programs are selected for DOT&E oversight after careful consideration of the relative importance of the individual programs. 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 an 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 meet acquisition criteria 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, is a major system, within the meaning of that term in 10 USC 2302(5), that meets one or more of the following criteria:

- 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 affect significantly the survivability or lethality of such a system

DOT&E was responsible for the oversight of 106 LFT&E acquisition programs during FY06.

PROGRAMS UNDER DOT&E OVERSIGHT CALENDAR YEAR 2006 (As taken from the May 2006 Official T&E Oversight List)

ARMY PROGRAMS

Abrams Tank Upgrade (M1/M2)	• Multi-Function Utility / Logistics and Equipment Vehicle (MULE) Transport
Advanced Threat Infrared Countermeasures / Common Missile Warning System (ATIRCM/CMWS)	• Small Manpackable Unmanned Ground Vehicle (SUGV)
Aerial Common Sensor (ACS)	• Unattended Ground Sensors (UGS) (Tactical and Urban UGS)
Armed Reconnaissance Helicopter (ARH) Program	• Non-Line-of-Sight Launch System (NLOS-LS) – to include Precision Attack Munition (PAM) and Loitering Attack Munition (LAM)
Biometrics	• Intelligent Munitions System (IMS)
Black Hawk Upgrades (UH-60M) – Utility Helicopter Upgrades	• Mid-Range Munitions (MRM)
Bradley Upgrade – M2/M3 Fighting Vehicle Systems	• Ground Soldier System
CH-47F – Cargo Helicopter (CH-47D Helicopter Upgrade Program)	Future Tactical Truck System
Defense Support Program (DSP) Multi-Mission Mobile Processor (DM3P)	General Fund Enterprise Business System (GFEBS)
Distributed Common Ground System - Army (DCGS-A)	Global Combat Support System – Army (GCSS-A)
Excalibur (Family of Precision, 155 mm Projectiles)	Global Command and Control System – Army (GCCS-A)
Extended Range / Multi-purpose Unmanned Aircraft System (ER/MP UAS)	Guided Multiple Launch Rocket System (GMLRS) – Dual Purpose Improved Conventional Munitions (DPICM)
Family of Medium Tactical Vehicles (FMTV) (including armor modifications)	Guided Multiple Launch Rocket System (GMLRS) – Unitary
Force XXI Battle Command Brigade and Below (FBCB2) Program	Hellfire Missile (Upgrades/Modifications) including Longbow Radio Frequency (RF) and Semi-Active Laser (SAL)
Future Cargo Aircraft	High Mobility Artillery Rocket System (HIMARS) including HIMARS Armored Cab
Future Combat System (FCS) and all associated systems (and active protective systems), including:	Identification Friend or Foe Mark XIIA Mode 5 and all associated integration programs
• Network Battle Command	Javelin Anti-tank Missile System – Medium
• Infantry Carrier Vehicle (ICV)	Joint Common Missile
• Mk 44 Cannon 30 mm Ammunition	Joint Heavy Lift Program
• Command and Control Vehicle (C2V)	Joint Land Attack Cruise Missile Defense Elevated Netted Sensors (JLENS)
• Reconnaissance and Surveillance Vehicle (R&SV)	Joint Mission Planning System (JMPS)
• Mounted Combat System (MCS)	Joint Network Transport Capability-Spiral (JNTC-S) / Joint Network Node (JNN)
• Non-Line-of-Sight Mortar (NLOS-M)	Land Warrior – Integrated Soldier Fighting System for Infantrymen
• Non-Line-of-Sight Cannon (NLOS-C)	Light Utility Helicopter
• Medical Vehicle (MV) (Treatment and Evacuation Variant)	Longbow Apache (AH-64D) Block II
• FCS Recovery Maintenance Vehicle (FRMV)	Longbow Apache (AH-64D) Block III
• UAV Class I	Long Term Armoring Strategy (LTAS) including:
• UAV Class II	• Fuel Tankers
• UAV Class III	• Heavy Equipment Transporter (HET)
• UAV Class IV (Fire Scout)	• Heavy Expanded Mobility Tactical Truck (HEMTT)
• 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	

ARMY PROGRAMS (continued)

- High Mobility Multi-purpose Wheeled Vehicle (HMMWV)
- M915A3 Family of Vehicles
- M939 General Purpose Truck
- Palletized Loading System (PLS)

Maneuver Control System (MCS) / Joint Tactical Common Operational Picture (COP) Workstation (JTCW) (includes Command Post of the Future (CPOF) and Command and Control Personal Computer (C2PC))

Objective Individual Combat Weapon (OICW) Increment I

Objective Individual Combat Weapon (OICW) Increment II

One – Tactical Engagement Simulation System (One-TESS)

PATRIOT / Medium Extended Air Defense System Combined Aggregate Program (PATRIOT/MEADS CAP)

Precision-Guided Mortar Munitions (PGMM)

Shadow Unmanned Aircraft System (Shadow UAS)

Single Channel Anti-Jam Man-Portable (SCAMP) (Military Strategic, Tactical, and Relay (MILSTAR), Block II)

Single Channel Anti-Jam Man-Portable (SCAMP) System Enhancement Program (SEP)

Small Unmanned Aircraft System (Raven UAS)

Spider XM7 Network Command Munition (formerly Anti-Personnel Landmine Alternative (APLA)/Spider)

Stryker – Armored Vehicle and all associated systems (and active protective 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 – Mobile Gun System
- Stryker – Mortar Carrier
- Stryker – Nuclear, Biological, and Chemical Reconnaissance Vehicle (NBCRV)
- Stryker – Reconnaissance Vehicle

Surface-Launched Advanced Medium-Range Air-to-Air Missile (AMRAAM) (SLAMRAAM)

Transportation Coordinators' Automated Information for Movements System II (TC-AIMS II)

Warfighter Information Network-Tactical (WIN-T)

XM307 25 mm Advanced Crews Served Weapon (ACSW) System

XM1022 Long Range Sniper Ammunition

NAVY PROGRAMS

21" Mission Reconfigurable Unmanned Undersea Vehicle (21" MRUUV)

Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion for SONAR

Active Electronically Scanned Array (AESA)

Advanced SEAL Delivery System (ASDS)

AGM-88E Advanced Anti-Radiation Guided Missile (AARGM) Program

AIM-9X Air-to-Air Missile Upgrade including AIM-9X P3I

Airborne Mine Neutralization System (AMNS)

Airborne Re-supply / Logistics for SeaBasing (AR/LSB)

Air Early Warning (AEW)

AN/AAR-47 V2 Upgrade Missile / Laser Warning Receiver

AN/APR-39A V2 Radar Warning Receiver

AN/WQR-3 Advanced Deployable System (ADS)

AN/WSQ-11 Countermeasure Anti-Torpedo

Ballistic Missile Technical Collection (BMTC)

Broad Area Maritime Surveillance (BAMS)

BYG-1 Fire Control (Weapon Control and Target Motion Analysis)

CG(X) – Next Generation Cruiser

Close-In Weapon System (CIWS) including SeaRAM

Common Link Integration Processor (CLIP)

Cooperative Engagement Capability (CEC) (including P3I effort)

Cobra Judy Replacement (CJR) – Ship-based Radar System

CVN 21 – Next Generation Nuclear Aircraft Carrier

DDG 51 Guided Missile Destroyer

DDG-1000 *Zumwalt* Class Destroyer (formerly DD(X) Future Surface Combatant) including Long Range Land Attack Projectile

Defense Integrated Military Human Resources System (DIMHRS)

Deployable Joint Command and Control (DJC2)

Digital Modular Radio (DMR)

Distributed Common Ground System – Navy (DCGS-N)

E-2C Reproduction Hawkeye Carrier-based Early Warning Aircraft

E-2D Advanced Hawkeye (AHE) / E-2C Radar Modernization Program (RMP)

EA-6B Improved Capabilities (ICAP) III and Multiple Upgrades (Low Band Transmitter, Band 7-8 Transmitter, USQ-113 Communications Jammer)

EA-18G Airborne Electronic Attack (AEA) Variant of F/A-18

Evolved Sea Sparrow Missile (ESSM)

DOT&E ACTIVITY AND OVERSIGHT

NAVY PROGRAMS (continued)

Expeditionary Fighting Vehicle (EFV)	Navy Enterprise Resource Planning (ERP) (includes Navy Enterprise Maintenance Automated Information System (NEMAIS))
Extended Range Munition (ERM)	P-8A Multi-Mission Maritime Aircraft
F/A-18 E/F Hornet Naval Strike Fighter (All Upgrades)	Rapid Airborne Mine Clearance System (RAMICS)
Global Combat Support System – Marine Corps (GCCS-MC)	Remote Mine-hunting System (RMS)
Global Command and Control System – Maritime (GCCS-M)	Rolling Airframe Missile (RAM) including RAM Block 2 Program
H-1 Upgrades (4BW/4BN) – U.S. Marine Corps Upgrade to AH-1W Attack Helicopter and UH-1N Utility Helicopter	Ship Self Defense System (SSDS)
Identification Friend or Foe Mark XIIA Mode 5 and All Associated Integration Programs	SSGN <i>Ohio</i> Class Conversion
Integrated Defensive Electronic Countermeasure (IDECM)	SSN 774 <i>Virginia</i> Class Submarine
Joint High Speed Vessel (JHSV)	Standard Missile 2 (SM-2) Block IIIB
Joint Maritime Assured Access (JMAC)	Standard Missile 2 (SM-2) Block IV
Joint Mission Planning System (JMPS)	Standard Missile 6 (SM-6)
Joint Standoff Weapon (JSOW) Baseline Variant and Unitary Warhead Variant	Strike Directed Infrared Countermeasures (DIRCM)
KC-130J Aircraft	Submarine External Communications System (SubECS) / Common Submarine Radio Room (CSRR)
LHA 6 - New Amphibious Assault Ship	Surface Electronic Warfare Improvement Program (SEWIP)
LHD 1 Amphibious Assault Ship	T-45TS – Undergraduate Jet Pilot Training System
LHD 8 Amphibious Assault Ship	T-AKE <i>Lewis and Clark</i> Class of Auxiliary Dry Cargo Ships
Littoral Combat Ship (LCS)	Tactical Control System (TCS)
LPD 17 Amphibious Transport Dock (includes 30 mm ammunition)	Tactical Tomahawk Weapon System (TTWS) (including Tactical Tomahawk All Up Round (AUR), Tactical Tomahawk Weapons Control System (TTWCS), and Tomahawk Command and Control System (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 Fleet Combat Helicopter	Vertical Take-Off Unmanned Aircraft System (VTUAS)
Mk 48 Torpedo Mods	VH-71 Presidential Helicopter Fleet Replacement Program (formerly the VXX program)
Mobile User Objective System (MUOS)	ZCH-53K Heavy Lift Replacement (HLR) Program
Naval Integrated Fire Control-Counter Air (NIFC-CA)	
Navy Advanced Extremely High Frequency (EHF) Multi-Band Terminal (NMT)	

AIR FORCE PROGRAMS

20 mm PGU-28/B Replacement Combat Round	ALR-56M Radar Warning Receiver
Advanced Extremely High Frequency Program (AEHF)	ALR-69A Radar Warning Receiver
Advanced Medium-Range Air-to-Air Missile (AMRAAM)	B-2 SPIRIT Advanced Extremely High Frequency Satellite Communications Capability (B-2 EHF)
Advanced Polar System (APS)	B-2 Radar Modernization Program (B-2 RMP)
Air Force Distributed Common Ground System (AF DCGS) (including Block 10)	B-52 Re-Engining Program
Air Operations Center – Weapons System (AOC-WS)	Battle Control System – Fixed (BCS-F)
Airborne Signals Intelligence Payload	Battle Control System – Mobile (BCS-M) (formerly the Tactical Air Control System (TACS))
Airborne Warning and Control System (E-3 AWACS) Upgrades	

AIR FORCE PROGRAMS (continued)

C-5 Avionics Modernization Program (AMP)	Joint Direct Attack Munition (JDAM)
C-5 Reliability and Re-engining Program (RERP)	Joint Helmet Mounted Cueing System (JHMCS)
C-17A Globemaster III Advance Cargo Aircraft	Joint Precision Approach and Landing System (JPALS)
C-130 AMP – C-130 Avionics Modernization Program	Joint Primary Aircraft Training System (JPATS)
C-130J Hercules Cargo Aircraft (All Variants)	Joint Unmanned Combat Air System (JOINT UCAS) (Includes Air Force and Navy Unmanned Aerial Vehicle programs)
Combat Information Transport System (CITS)	KC-135 Global Air Traffic Management (GATM) Upgrade
Combat Search and Rescue Replacement Vehicle (CSAR-X) / Personnel Recovery Vehicle (PRV)	KC-135 Tanker Replacement Program (KC-135 Replacement)
Combat Survivor Evader Locator (CSEL) and the PRC Family of Handheld Survivor Radios	Large Aircraft Infrared Countermeasures (LAIRCM)
Combatant Commanders Integrated Command and Control System (CCIC2S)	MILSTAR - Satellite Low/Med Data Rate Communications
Defense Enterprise Accounting Management System (DEAMS)	Minuteman III Guidance Replacement Program (GRP)
Deliberate and Crisis Action Planning and Execution Segments (DCAPES)	Minuteman III Propulsion Replacement Program (PRP)
E-4B Modernization Program	Mission Planning System (MPS) including the Joint Mission Planning System (JMPS)
E-8 Joint Surveillance Target Attack Radar System (JSTARS)	MQ-9 Reaper Hunter-Killer Unmanned Aircraft System (UAS)
E-10A Multi-Sensor Command and Control Aircraft (MC2A) Program	Multi-Platform Radar Technology Insertion Program (MP-RTIP)
Evolved Expendable Launch Vehicle (EELV)	Multiple Platform – Common Data Link (MP-CDL)
Expeditionary Combat Support Systems (ECSS)	National Airspace System (NAS)
F-15 Mark XIIA Integration	National Polar-Orbiting Operational Environment Satellite System (NPOESS)
F-15E Radar Modernization Program	NAVSTAR Global Positioning System (GPS)
F-22A – Advanced Tactical Fighter	Navy Extremely High Frequency (NESP) Satellite Communications (SATCOM) Program
F-35 Lightning II Joint Strike Fighter (JSF)	Next Generation Long-Range Strike
F-117 Infrared Acquisition and Designation System (IRADS)	Orbital Deep Space Imager (ODSI)
Family of Beyond Line-of-Sight Terminals (FAB-T)	Space-Based Infrared System Program, High Component (SBIRS HIGH)
Global Broadcast Service (GBS)	Space Radar (SR) (formerly Space-Based Radar)
Global Command and Control System - Air Force (GCCS-AF)	Small Diameter Bomb (SDB) includes Increment II
Global Hawk High Altitude Endurance Unmanned Aircraft System	Secure Mobile Anti-Jam Reliable Tactical Terminal (SMART-T)
Global Positioning System III (GPS III)	Theater Battle Management Core System (TBMCS)
Identification Friend or Foe Mark XIIA Mode 5 and All Associated Integration Programs	Transformational Satellite Communications (TSAT) System
Integrated Strategic Planning and Analysis Network (ISPAN)	Ultra High Frequency (UHF) Follow-on Satellite
Joint Air-to-Surface Standoff Missile (JASSM) and JASSM Extended Range (ER)	Wideband Gapfiller

OTHER DoD PROGRAMS

Ballistic Missile Defense Program:

- AEGIS BMD and SM-3 BLOCK I
- Ground-Based Midcourse Defense Segment (GMD) (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)

Armed Forces Health Longitudinal Technology Application (AHLTA) (formerly Composite Health Care System II (CHCS II))

Business System Modernization (BSM)

Business System Modernization – Energy (BSM Energy)

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)

Commissary Advanced Resale Transaction System (CARTS)

Defense Business Sourcing Environment

Defense Travel System (DTS)

Global Combat Support System Combatant Commander (COCOM) / Joint Task Force (JTF) (GCCS-(CC/JTF))

Global Command and Control System – Joint (GCCS-J)

Global Electromagnetic Spectrum Information System (GEMSIS)

Global Information Grid Bandwidth Expansion (GIG-BE) part of Defense Information System Network – Next Generation

High Performance Computing Modernization (HPCM)

Integrated Architecture Behavior Model (IABM)

Integrated Data Environment / Global Transportation Network 21 (Convergence)

Internet Protocol Version 6 (IPv6)

Joint Battle Management Command and Control (JBMC2) Joint Test and Assessment

Joint Biological Agent Identification and Diagnosis System (JBAIDS)

Joint Biological Point Detection System (JBPDS)

Joint Biological Standoff Detection System (JBSDS)

Joint Chemical Agent Detector (JCAD)

Net-Enabled Command Capability (NECC) (formerly Joint Command and Control (JC2))

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

Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD)

Joint Tactical Radio System (JTRS) Airborne / Maritime / Fixed Station (AMF)

Joint Tactical Radio System (JTRS) Ground Mobile Radios

Joint Tactical Radio System (JTRS) Handheld and Manpack Radio and Small Form Radio

Joint Tactical Radio System (JTRS) Network Enterprise Services (formerly JTRS Waveform)

Joint Warning and Reporting Network (JWARN)

Key Management Infrastructure (KMI)

Multi-Functional Information Distribution System (MIDS) (Includes Low Volume Terminal and Joint Tactical Radio System)

Multi-National Information Sharing (MNIS)

Net-Centric Enterprise Services (NCES)

Public Key Infrastructure (PKI)

Single Integrated Air Picture (SIAP)

Suite of Integrated Radio Frequency Countermeasures (SIRFC) (AN/ALQ-211)

Teleport

Theater Medical Information Program (TMIP)