

Activity Summary

DOT&E activity for FY08 involved oversight of 322 programs, including 47 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 FY08 included approval of 68 Test and Evaluation Master Plans (TEMPs) / Test and Evaluation Strategies, as well as 86 Operational Test Plans,

and two Live Fire Test and Evaluation (LFT&E) Strategies for inclusion in the TEMP. In FY08, DOT&E prepared 13 reports for the Secretary of Defense and Congress that included eight Beyond Low-Rate Initial Production Reports, one LFT&E Report, three Early Fielding Reports, and one assessment on the Ballistic Missile Defense System (BMDS).

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

Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion (A-RCI) Sonar System - Revision B

AN/ALR-69A Radar Warning Receiver - Revision 1.11

AN/BYG-1 Combat Control System - Revision 4

AN/USC-61(C) Digital Modular Radio

AN/WLD-1(V)1 Remote Mine-hunting System - Revision C, Change 1

Anniston Chemical Agent Disposal Facility, Chemical Demilitarization Program

B-1 Fully Integrated Data Link (FIDL) Milestone C Update

B-52 Radar Modernization Program

Ballistic Missile Defense System (BMDS) Integrated Master Test Plan

Ballistic Missile Defense System (BMDS) Strategic Plan for Testing, Blocks 10 and 12+ (SPfT)

Broad Area Maritime Surveillance Unmanned Aircraft System

C-130 Avionics Modernization Program

C-130J

Capstone Enterprise Air Warfare Ship Self-Defense

Combatant Commanders Integrated Command and Control System (CCIC2S) - Version 1.4

Common Submarine Radio Room - Revision 3

Cooperative Engagement Capability - Revision 4

Defense Integrated Military Human Resources System - Revision 3.0.10

Defense Travel System - Version 2

Distributed Common Ground System - Army (DCGS-A)

Distributed Common Ground System - Army (DCGS-A) Milestone C (V3.1 System)

Distributed Common Ground System - Marine Corps

E-2D Advanced Hawkeye - Revision A

EA-18G - Revision C

EA-6B Improved Capability (ICAP) III - Revision C

Evolved SeaSparrow Missile (ESSM)

Expeditionary Fighting Vehicle

F/A-18 APG-79 Active Electronically Scanned Array (AESA)

FA-18/EA-18 Mission Planning Environment - Annex F

General Fund Enterprise Business System (GFEBS) - Army - Release 1.2

Global Combat Support System - Army - Version 1.5

Global Combat Support System for Combatant Command/Joint Task Forces (GCSS-CC/JTF) - Version 7.0

Global Hawk High Altitude Endurance Unmanned Aerial System, RQ-4

Global Positioning System (GPS) III

Ground Soldier Ensemble

Guided Multiple Launch Rocket System - Unitary (GMLRS-U)

H-1 Upgrades Program - Revision C

Identification Friend or Foe Mode 5 - Revision A

Integrated Strategic Planning and Analysis Network (ISPAN) - Version 6.18

Intelligent Munitions System (IMS) Increment 1

Joint High Speed Vessel

Joint Light Tactical Vehicle

Joint Mission Planning System - Maritime Mission Planning Environment (MPE) - Annex 'N' for Navy Legacy Helicopters

Joint Precision Approach and Landing System Increment 1A

KC-X - Version 2.1.2

Maritime Prepositioning Force (Future) Mobile Launching Platform

Miniature Air Launched Decoy (MALD) ADM-160B and Miniature Air Launched Decoy - Jammer (MALD-J) ADM-160C

DOT&E ACTIVITY AND OVERSIGHT

TEST AND EVALUATION MASTER PLANS / STRATEGIES APPROVED

Mission Planning Systems - Annex F, Increment III Representative Platform - F-16 M4.2+

Mobile Users Objective System (MUOS)

MQ-9 Hunter Killer Reaper Unmanned Aerial System

Multi-functional Information Distribution System - Low Volume Terminal - Annex C, Revision A

National Polar Orbiting Operational Environmental Satellite System (NPOESS)

Net-Centric Enterprise Services Milestone C - Version 1.2

Net-Enabled Command Capability Increment 1 Capstone - Version 1.0

Ohio Class SSGN Conversion Program - Revision A, Change 2

Ship Self-Defense System (SSDS) - Revision B

Ship-to-Shore Connector

Space-Based Surveillance System (SBSS)

Spider XM7 Network Command Munition Change Document

Stryker Mobile Gun System (MGS)

Stryker Nuclear, Biological, and Chemical Reconnaissance Vehicle - Revision 5

Surface Electronic Warfare Improvement Program (SEWIP) Block 1B - Change 1

T-6 Avionics Upgrade Project (AUP) - Annex I, to the Joint Primary Aircraft Training System (JPATS) Milestone III

T-AKE Dry Cargo/Ammunition Ship Program

Theater Medical Information Program - JT&E Master Plan

Tomahawk Weapon System - Revision E

UH-60M Upgrade

Warfighter Information Network - Tactical (WIN-T) Increment 1

OPERATIONAL TEST PLANS APPROVED

AC-130U Link 16

Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion (A-RCI) Sonar System Phase III and IV Follow-on OT&E (OT-C-06)

AGM-88E Advanced Anti-Radiation Guided Missile Operational Assessment

Airborne Signals Intelligence Payload (ASIP) Operational Assessment

Airborne Warning and Control System 40/45 Operational Assessment

Amphibious Assault Ship Replacement Operational Test (OT)-B1

AN/BYG-1 Combat Control System Follow-on OT&E

AV-8B H5.0 Operational Flight Program and Joint Mission Planning System - Maritime (JMPS-M)

B-52 Radar Modernization Mode Set 1 IOT&E

Baseline IV Tactical Tomahawk Weapon System (TTWS)

Black Hawk UH-60M Limited User Test

C-130 Avionics Modernization Program Operational Assessment

C-130J ALR-56M Follow-on OT&E

C-130J Block 6.0 Force Development Evaluation Plan

C-17 Formation Flight System Force Development Evaluation Plan

C-17 Traffic Collision Avoidance System Overlay for Large Formations Force Development Evaluation Plan

C-5 Avionics Modernization Program Block Cycle Change 2007

C-5 Reliability Enhancement and Re-Engineering Program Operational Assessment-3

Combatant Commanders Integrated Command and Control System (CCIC2S) CPS3 Force Development Evaluation Plan

CV-22 Osprey Cold Weather Evaluation Operational Test-IIIC

DDG 1000 *Zumwalt* Class Destroyer Operational Test-B1

DDG 51 Class Aegis Guided Missile Destroyer Flight IIA Follow-on OT&E (OT-IIIJ)

Deliberate and Crisis Action Planning and Execution Segments (DCAPES) Version 4.1.0.0 Force Development Evaluation Plan

Deployable Joint Command and Control (DJC2) Multi-Service OT&E

Digital Modular Radio (DMR) Program IOT&E

DoD Teleport System Generation One, Follow-on OT&E III Plan

DoD Teleport System Generation Two, Phase One, Multi-Service OT&E

Dry Cargo/Ammunition Ship (T-AKE) Operational Test-IIIA

E-2D Advanced Hawkeye Operational Test-B1

EA-18G Airborne Electronic Attack Aircraft IOT&E

EA-18G Airborne Electronic Attack Aircraft Integrated Test-C1

Expeditionary Fighting Vehicle (EFV) Waterborne Directional Stability Developmental Test/Operational Test Plan

F/A-18E/F System Configuration Set H4E

F/A-18E/F Active Electronically Scanned Array Radar Test Plan

FA-18E/F Software Qualification Testing (Integrated Test-IIIG) System Configuration Set H5E

FA-18E/F Software Qualification Testing (Integrated Test-IIIG) System Configuration Set H5E Addendum A

Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) Increment 1 Operational Assessment-1

DOT&E ACTIVITY AND OVERSIGHT

Family of Medium Tactical Vehicles 10-Ton Dump Truck Limited User Test Event Design Plan

Future Aircraft Carrier (CVN-21) Program Operational Test-B2

Global Combat Support System - Joint Global Version 4.1.1 Release

Global Combat Support System - Joint Status of Resources and Training System (SORTS) Version 4.1.1 Strategic Server Enclave

Global Hawk High Altitude Endurance Unmanned Aerial System, RQ-4 Block 20 Operational Assessment

Global Hawk High Altitude Endurance Unmanned Aerial System, RQ-4 Multi-Platform Radar Technology Insertion Program Operational Assessment

Increased Capability (ICAP) III Block 3 Airborne Electronic Attack Aircraft

Integrated Strategic Planning and Analysis Network (ISPAN) Block 1 IOT&E

Integrated Strategic Planning and Analysis Network (ISPAN) Block 1 IOT&E Changes

Integrated Strategic Planning and Analysis Network (ISPAN) Operational Utility Evaluation Plan

Joint Biological Point Detection System (JBPDS) Limited User Test Memorandum Test Plan (MTP)

Joint Biological Point Detection System Whole System Live Agent Test Record Test Event Design Plan

Joint Biological Standoff Detection System

Joint Mission Planning System B-1 Mission Planning Environment (MPE) IOT&E Plan

Joint Mission Planning System F-15 v1.3 MPE Test Plan

Joint Mission Planning System F-16 M4.2+ MPE IOT&E

Joint Mission Planning System F-22A MPE IOT&E

Joint Warning and Reporting Network (JWARN) Multi-Service OT&E

Laser Joint Direct Attack Munition (LJDAM) Operational Utility Evaluation

Laser Joint Direct Attack Munition (LJDAM) Quick Reaction Assessment

LPD 17 Amphibious Transport Dock Landing Ship Program Operational Test-IIC Phase 3

LPD 17 Amphibious Transport Dock Landing Ship Program Operational Test-IIC1 Data Collection

LPD 17 Amphibious Transport Dock Landing Ship Program (Amphibious Warfare Phase)

LPD 17 Amphibious Transport Dock Landing Ship Program Change Transmittal 1

MH-60R Multi-Mission Helicopter Preplanned Product Improvement Program Follow-on OT&E (OT-IIIA)

MH-60S Block 2A Airborne Mine-countermeasures System

MH-60S Multi-Mission Helicopter Preplanned Product Improvement Program Follow-on OT&E (OT-IIIA)

Mk 48 Advanced Capability (ADCAP) Spiral 1 Torpedo Operational Test-IIH Change Transmittal 1

MQ-9 Reaper Increment 1 IOT&E Plan

Multi-functional Information Distribution System - Joint Tactical Radio System Program

Navy Enterprise Resource Planning (Navy ERP) IOT&E (OT-C1)

Net-Centric Services (NCES) Increment 1, Spiral 2.0 Operational Assessment

Net-Enabled Command Capability (NECC) Operational Detailed Test Plan

Public Key Infrastructure (PKI) Program Increment 1, Spiral 2 IOT&E

Ship Self-Defense Ship (SSDS) Mark 2 Mod 1B Program (Operational Test-IIIG Phase 1)

Ship Self-Defense System (SSDS) Operational Test-IIIC Phase 3

Ship Self-Defense System Follow-on OT&E (OT-IIID) of the Cooperative Engagement Capability, and Follow-on OT&E (OT-IIIA) of the Evolved SeaSparrow Missile Programs

Space-Based Infrared System Interim Highly Elliptical Orbit Operational Utility Evaluation

Surface Electronic Warfare Improvement Program (SEWIP) Operational Test-B5

Surface Electronic Warfare Improvement Program Block 1B1 Operational Test-B4

Theater Medical Information Program Event Design Plan Block 2, Release 1

Virginia (SSN 774) Class Submarine IOT&E OT-IIID

Virginia (SSN 774) Class Submarine Information Assurance Blue Team Testing Operational Test-IIID

Virginia (SSN 774) Class Submarine Information Assurance Red Team Test

Virginia (SSN 774) Class Submarine IOT&E (OT-IIID) Revision B

Wideband Global SATCOM System

XM142 High Mobility Artillery Rocket System (HIMARS) Increased Crew Protection Upgrade (ICP)

XM31E1 Guided Multiple Launch Rocket System Unitary (GMLRS-U) Rocket IOT&E

LIVE FIRE TEST AND EVALUATION STRATEGIES AND TEST PLANS

Expeditionary Fighting Vehicle (EFV)

Guided Multiple Launch Rocket System - Unitary (GMLRS-U)

DOT&E ACTIVITY AND OVERSIGHT

REPORTS TO CONGRESS FOR FY08

Program	Report Type	Date
XM982 Excalibur Precision Engagement Projectile	OT Early Fielding Report	October 2007
T-AKE <i>Lewis and Clark</i> Class of Auxiliary Dry Cargo Ships	Combined OT / LFT Report	October 2007
Air Force Mission Planning System (MPS) Program, Increment II (F-15)	OT Report	November 2007
Mk 48 Mod 7 Common Broadband Advanced Sonar System (CBASS) Phase I Torpedo	OT Report	January 2008
Stryker Mobile Gun System (MGS)	Combined OT / LFT Report	February 2008
FY07 Assessment of the Ballistic Missile Defense System (BMDS)	Annual Report	February 2008
High Mobility Artillery Rocket System (HIMARS) with the Improved Crew Protection (ICP) Cab	LFT Report	March 2008
SSN 774 <i>Virginia</i> Class Submarine	Combined OT / LFT Early Fielding Report	April 2008
Low Band Transmitter (LBT)	OT Report	April 2008
SSGN <i>Ohio</i> Class Conversion	Combined OT / LFT Report	May 2008
<i>San Antonio</i> Class Amphibious Transport Dock LPD-17	Combined OT / LFT Early Fielding Report	May 2008
Joint Chemical Agent Detector (JCAD)	OT Report	August 2008
USMC H-1 Upgrades (UH-1Y)	Combined OT / LFT Report	September 2008

During FY08, 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, approximately 659 trips supported 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.

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 322 acquisition programs during FY08.

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 affect significantly the survivability or lethality of such a system

DOT&E was responsible for the oversight of 122 LFT&E acquisition programs during FY08.

DOT&E only includes an individual program in the Annual Report if there has been significant test activity within the fiscal year. Programs contained in this year’s Annual Report are denoted by an asterisk on the following pages.

DOT&E ACTIVITY AND OVERSIGHT

PROGRAMS UNDER DOT&E OVERSIGHT CALENDAR YEAR 2008 (As taken from the June 2008 Official T&E Oversight List)

DoD PROGRAMS

Ballistic Missile Defense System (BMDS) Program* (separate section)

- Aegis Ballistic Missile Defense (BMD) and SM-3 all Blocks*
- Command, Control, Battle Management, and Communications (C2BMC)*
- Ground-Based Midcourse Defense (GMD) Segment*
- Kinetic Energy Interceptor (KEI)*
- Multiple Kill Vehicle (MKV)*
- Space Tracking and Surveillance System (STSS)*
- Terminal High-Altitude Area Defense (THAAD)*
- YAL-1 Airborne Laser (ABL)*

Armed Forces Health Longitudinal Technology Application (AHLTA)

Ballistic Missile Technical Collection (BMTC)

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

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

Collaborative Force Analysis, Sustainment, and Transportation System (CFAST)

Defense Information System for Security (DISS)

Defense Integrated Military Human Resources System (DIMHRS)*

Defense Security Assistance Management System (DSAMS) – Block 3

Defense Travel System (DTS)*

F-35 Lightning II Joint Strike Fighter (JSF)*

Global Combat Support System Combatant Command / Joint Task Force (GCSS (CC/JTF))*

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

Integrated Air and Missile Defense (IAMD) Roadmap Programs

Integrated Unit, Base, and Installation Protection (IUBIP)

Internet Protocol version 6 (IPv6)

Joint Biological Agent Identification and Diagnosis System (JBAIDS)

Joint Biological Point Detection System (JBPDs)*

Joint Biological Stand-Off Detection System (JBSDS)*

Joint Counter Radio Controlled IED Electronic Warfare (JCREW) Spiral 3.3

Joint Lightweight Tactical Vehicle (JLTV)

Joint Nuclear, Biological, Chemical Reconnaissance System (JNBCRS)

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 Radio (GMR)*

Joint Tactical Radio System (JTRS) Handheld, Manpack, and Small Form Fit (HMS)*

Joint Tactical Radio System (JTRS) Network Enterprise Domain (NED)

Joint Warning and Reporting Network (JWARN)*

Key Management Infrastructure (KMI)

M4 Joint Chemical Agent Detector (JCAD)*

Mine Resistant Ambush Protected Family of Vehicles (MRAP)*

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

Multi-National Information Sharing (MNIS)

Net Enabled Command Capability (NECC) (formerly Joint Command and Control System)*

Network Centric Enterprise Services (NCES)*

Public Key Infrastructure (PKI)*

Single Integrated Air Picture (SIAP), including Integrated Architecture Behavior Model (IABM)

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

Teleport Generation I/II (Teleport)

Theater Medical Information Program (TMIP)*

ARMY PROGRAMS

Abrams Upgrade (M1A1 SA/M1A2 SEP)

Abrams Tank Mod (M1A2SEP Increment 2)

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

Aerial Common Sensor (ACS)

Apache Block III (AB3)

Armed Reconnaissance Helicopter (ARH)*

Armored Knight M1200

ARMY PROGRAMS (continued)

Armored Tactical Wheeled Vehicles including:

- Fuel Tankers
- Heavy Equipment Transporter (HET)
- Heavy Expanded Mobility Tactical Truck (HEMTT)*
- High Mobility Multi-purpose Wheeled Vehicle (HMMWV) Armor
- High Mobility Multi-purpose Wheeled Vehicle (HMMWV) Expanded Capacity Vehicle 2 (ECV2)*
- M915A5 Family of Vehicles*
- M939 General Purpose Truck
- Palletized Loading System (PLS)

Army Integrated Air and Missile Defense (IAMD) Program (formerly referred to as AIAMD)

Biometrics

Bradley Next Family of Vehicles

Bradley Upgrade – M2A3 Fighting Vehicle Systems

CH-47F – Cargo Helicopter

Distributed Common Ground System – Army (DCGS-A)

Excalibur XM982 Precision Engagement Projectiles*

Family of Medium Tactical Vehicles (FMTV)*

Force XXI Battle Command Brigade and Below (FBCB2) Program

Future Combat System (FCS)* and all associated systems (and active protective systems), including:

- 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)
- Command and Control Vehicle (C2V)
- Common Controller Device (CCD)
- FCS Recovery Maintenance Vehicle (FRMV)
- Infantry Carrier Vehicle (ICV)
- Medical Vehicle (MV) (Treatment and Evacuation Variant)
- Mk 44 Cannon 30 mm Ammunition
- Mounted Combat System (MCS)
- Multi-Functional Utility / Logistics and Equipment Vehicle (MULE) Transport
- Multi-Functional Utility / Logistics and Equipment Vehicle (MULE) Countermine
- Network Battle Command
- Non-Line-of-Sight Cannon (NLOS-C)*
- Non-Line-of-Sight Mortar (NLOS-M)
- Non-Line-of-Sight Launch System (NLOS-LS)*
- Reconnaissance and Surveillance Vehicle (R&SV)
- Small Manpackable Unmanned Ground Vehicle (SUGV)
- Unmanned Aircraft System (UAS) Class I, XM 156*
- UAS Class II
- UAS Class III
- UAS Class IV (Fire Scout)
- Unattended Ground Sensors (UGS) (Tactical and Urban UGS)*

General Fund Enterprise Business System (GFEBS)

Global Combat Support System – Army (GCSS-A)

Global Command and Control System – Army (GCCS-A)

Ground Soldier Ensemble (GSE)

Guided Multiple Launch Rocket System (GMLRS) – Alternative Warhead

Guided Multiple Launch Rocket System (GMLRS) – Dual Purpose Improved Conventional Munitions (DPICM)

Guided Multiple Launch Rocket System (GMLRS) – Unitary*

High Capacity Communications Capability (HC3)

High Mobility Artillery Rocket System (HIMARS) including Increased Crew Protection Cab*

Identification Friend or Foe (IFF) Mark XIIA Mode 5 (all development and integration programs)

Intelligent Munitions System (IMS)

Interceptor Body Armor

Javelin Anti-tank Missile System – Medium

Joint Air-to-Ground Missile System (JAGM) (replaces Joint Common Missile)

Joint Battle Command Platform (JBC-P)

Joint Cargo Aircraft (JCA)*

Joint Heavy Lift Program

Joint Land Attack Cruise Missile Defense Elevated Netted Sensors (JLENS)

Joint Mission Planning System (JMPS)

Land Warrior – Integrated Soldier Fighting System for Infantrymen

Light Utility Helicopter*

Logistics Modernization Program (LMP)

M855 5.56 mm Green Ammunition

Mid-Range Munition

Mounted Battle Command on the Move (MBCOTM)

One – Tactical Engagement Simulation System (One-TESS)

Paladin/Field Artillery Ammunition Support Vehicle (FAASV) Integrated Management (PIM)

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

Patriot Advanced Capability 3 (PATRIOT PAC-3) Missile

Precision Guidance Kit XM1156 (PGK)

Precision Guided Mortar Munitions (PGMM)

Shadow Unmanned Aircraft System (Shadow UAS)

Sky Warrior Unmanned Aircraft System (Sky Warrior UAS) (also called Extended Range / Multi-purpose Unmanned Aircraft System (ER/MP UAS) including Hellfire Missile Upgrade and Common Sensor Upgrade

Small Unmanned Aircraft System (Raven UAS)

* These programs have individual reports for FY08 due to significant test activity.

ARMY PROGRAMS (continued)

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 (NBC) Reconnaissance Vehicle*
- Stryker – Reconnaissance Vehicle

Stryker Product Improvement Program (formerly called Stryker Enhanced Platform (StEP))

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

UH-60M Black Hawk Upgrade Utility Helicopter*

Warfighter Information Network-Tactical (WIN-T) Increment 1*

Warfighter Information Network-Tactical (WIN-T) Increment 2*

Warfighter Information Network-Tactical (WIN-T) Increment 3*

Warfighter Information Network-Tactical (WIN-T) Increment 4*

XM1022 Long-Range Sniper Ammunition*

NAVY PROGRAMS

21” Mission Reconfigurable Unmanned Undersea Vehicle System (21” MRUUVS)

Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion for Sonar AN/BQQ-10 (V) (A-RCI)*

Active Electronically Scanned Array (AESA)

Advanced Extremely High Frequency Multi-Band Terminal Satellite Program (NMT) (formerly Navy Advanced EHF Multi-Band Terminal)

Advanced SEAL Delivery System (ASDS)

Aegis Modernization

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

AIM-9X – Air-to-Air Missile Upgrade including AIM-9X Preplanned Product Improvement*

Air and Missile Defense Radar (AMDR)

Airborne Mine Neutralization System (AMNS)

Airborne Resupply / Logistics for SeaBasing (AR/LSB)

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

AN/APR-39 Radar Warning Receiver

AN/BYG-1 Combat Control System*

AN/WLD-1 Remote Mine-hunting System (RMS)*

AN/WSQ-11 Anti-Torpedo Torpedo Defensive System

Armored Tactical Wheeled Vehicles including:

- Logistics Vehicle System Replacement*
- Medium Tactical Vehicle Replacement Program (USMC) (MTRV)*

Broad Area Maritime Surveillance (BAMS)

CG(X) – Next Generation Cruiser

CH-53K Heavy Lift Replacement (HLR) Program

Close-In Weapon System (CIWS) including SeaRAM

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

Command Ship Replacement (LCC(R))

Common Aviation Command and Control System (CAC2S)*

Common Link Integration Processor (CLIP)

Common Submarine Radio Room (CSRR) / Submarine Exterior Communications System (SubECS)*

Consolidated Afloat Network and Enterprise Service (CANES)

Cooperative Engagement Capability (CEC) (including Preplanned Product Improvement effort)*

CVN 21 – Next Generation Nuclear Aircraft Carrier*

DDG 51 *Arleigh Burke* Aegis Destroyer*

DDG 1000 *Zumwalt* Class Destroyer (formerly DD(X) Future Surface Combatant)*

Department of the Navy Large Aircraft Infrared Countermeasures (DoN LAIRCM)*

Deployable Joint Command and Control (DJC2)*

Digital Modular Radio (DMR)

Digital Radio Frequency Modulator – Jammer (DMRF-J)

Distributed Common Ground System – Marine Corps (DCGS-MC)

Distributed Common Ground System – Navy (DCGS-N)

E-2D Advanced Hawkeye (AHE)

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

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

Electronic Patrol – X (EP-X)

Evolved SeaSparrow Missile (ESSM)*

Expeditionary Fighting Vehicle (EFV)*

NAVY PROGRAMS (continued)

Extended-Range Munition (ERM)
 F/A-18 E/F Hornet Naval Strike Fighter (All Upgrades)*
 Global Combat Support System – Marine Corps (GCCSS-MC)
 Global Command and Control System – Maritime (GCCS-M)
 Harpoon Weapon System Block III (A/RGM-84/M)
 H-1 Upgrades (4BW/4BN) – USMC Upgrade to AH-1W Attack Helicopter and UH-1N Utility Helicopter*
 Identification Friend or Foe (IFF) Mark XIIA Mode 5 (all development and integration programs)
 Integrated Defensive Electronic Countermeasures (IDECM)*
 Joint and Allied Threat Awareness System (JATAS)
 Joint Expeditionary Fires (JEF)
 Joint High-Speed Vessel (JHSV)
 Joint Mission Planning System - Maritime (JMPS-M)*
 Joint Precision Approach and Landing System (JPALS)
 Joint Standoff Weapon (JSOW) Baseline Variant, Unitary Warhead Variant, and C-1*
 KC-130J Aircraft
 LHA 6 (formerly LHA(R)) – New Amphibious Assault Ship*
 LHD 8 Amphibious Assault Ship
 Littoral Combat Ship (LCS) (includes 57 mm ammunition and NLOS-LS)*
 LPD-17 *San Antonio* Class Amphibious Transport Dock (Includes 30 mm ammunition)*
 Marine Expeditionary Armored Forces (M1A1 Upgrade, Light Armored Vehicle Upgrade, Armored Vehicle Launched Bridge Upgrade, Amphibious Assault Vehicle Upgrade)
 Maritime Prepositioning Force (Future) (MPF (F)) Large, Medium Speed, Roll-on/Roll-off Ships (LMSR)
 Maritime Prepositioning Force (Future) (MPF (F)) Mobile Landing Platform (MLP)
 MH-60R Multi-Mission Helicopter Upgrade*
 MH-60S Fleet Combat Helicopter*

Mk 48 Advanced Capability (ADCAP) Torpedo Mods*
 Mk 54 Lightweight Torpedo*
 Naval Integrated Fire Control – Counter Air (NIFC-CA)
 Navy Enterprise Resource Planning (ERP)*
 Navy Unmanned Combat Air System (NAVY UCAS) (previously called J-UCAS)
 Next Generation Jammer
 P-8A Poseidon Program*
 Rapid Airborne Mine Clearance System (RAMICS)
 Rolling Airframe Missile (RAM) including RAM Block 1A Helicopter Aircraft Surface (HAS) and RAM Block 2 Programs
 Ship Self-Defense System (SSDS)*
 Ship-to-Shore Connector – Joint Assured Maritime Access (planned replacement for Landing Craft Air Cushion and Landing Craft Utility)
 SSGN *Ohio* Class Conversion*
 SSN 774 *Virginia* Class Submarine*
 Standard Missile 2 (SM-2) Block IIIB
 Standard Missile 6 (SM-6)
 Surface Electronic Warfare Improvement Program (SEWIP)*
 Surveillance Towed Array Sonar System / Low Frequency Active (SURTASS/LFA)
 T-AKE *Lewis & Clark* Class of Auxiliary Dry Cargo Ships*
 TB-33 Array Fiber Optic Thin Line System
 TB-34 Next Generation Fat Line Replacement Towed Array Tomahawk Missile and Weapon System*
 Trident II Missile
 V-22 Osprey Joint Advanced Vertical Lift Aircraft, including the CV-22 and the MV-22*
 Vertical Take-Off and Land Tactical Unmanned Aircraft System (VTUAS) (also called Fire Scout) including Tactical Control System (TCS)
 VH-71 Presidential Helicopter Fleet Replacement Program*

AIR FORCE PROGRAMS

20 mm PGU-28/B Replacement Combat Round*
 3rd Generation Infrared Surveillance (3IRS)
 Advanced Extremely High Frequency (AEHF) Satellite Communications System*
 Advanced Medium-Range Air-to-Air Missile (AMRAAM)
 Air and Space Operations Center – Weapons System (AOC-WS) initiatives including 10.0, 10.1, and 10.2
 Airborne Signals Intelligence Payload (ASIP)
 ALR-56M Radar Warning Receiver
 ALR-69A Radar Warning Receiver*
 B-2 Radar Modernization Program (B-2 RMP)*
 B-2 SPIRIT Advanced Extremely High Frequency Satellite Communications Capability (B-2 EHF)
 Battle Control System – Fixed (BCS-F)*
 Battle Control System – Mobile (BCS-M)
 C-5 Avionics Modernization Program (AMP)*
 C-5 Reliability Enhancement and Re-engining Program (RERP)*

* These programs have individual reports for FY08 due to significant test activity.

AIR FORCE PROGRAMS (continued)

C-17A – Globemaster III Aircraft*	Integrated Strategic Planning and Analysis Network (ISPAN)*
C-130 Avionics Modernization Program (C-130 AMP)*	Integrated Space Situational Awareness (ISSA) System
C-130J Aircraft*	Joint Air-to-Surface Standoff Missile (JASSM) and JASSM Extended Range (ER) (including Electronic Safe and Fire Fuze (ESAF))*
Combat Identification / Identification Friend or Foe (CID/IFF)	Joint Direct Attack Munition (JDAM) (including Laser JDAM)*
Combat Information Transport System (CITS)*	Joint Primary Aircraft Training System (JPATS)
Combat Search and Rescue Replacement Vehicle (CSAR-X) (formerly Personnel Recovery Vehicle (PRV))	KC-45A
Combat Survivor Evader Locator (CSEL) and the PRC Family of Handheld Survivor Radios	Land-Based Strategic Deterrent (LBSD)
Combatant Commanders Integrated Command and Control System (CCIC2S)*	Large Aircraft Infrared Countermeasures (LAIRCM)*
Command and Control Air Operations Software (C2AOS) (follow-on to Theater Battle Management Core System)	Miniature Air Launched Decoy (MALD), including MALD-Jammer (MALD-J)*
Defense Enterprise Accounting and Management System (DEAMS)	Minuteman III Guidance Replacement Program (GRP)
Deliberate and Crisis Action Planning and Execution Segments (DCAPES)	Minuteman III Propulsion Replacement Program (PRP)
Distributed Common Ground System – Air Force (DCGS-AF) Block 10	Mission Planning System (MPS) including Joint Mission Planning System (JMPS)*
Distributed Common Ground System – Air Force (DCGS-AF) Increment II	Mobile User Objective System (MUOS)
E-3 Airborne Warning and Control System (E-3 AWACS) *	MQ 9 Reaper Hunter Killer Armed Unmanned Aircraft System (UAS)*
Enhanced Polar System (EPS)	Multi-Platform Radar Technology Insertion Program (MP-RTIP)
Evolved Expendable Launch Vehicle (EELV)	National Airspace System (NAS)
Expeditionary Combat Support System (ECSS)	National Polar-Orbiting Operational Environment Satellite System (NPOESS)
F-15 Mark XIIA Integration	NAVSTAR Global Positioning System (GPS)*
F-15E Radar Modernization Program	New Bomber (NB) (formerly called Next Generation Bomber (NGB))
F-22A – Advanced Tactical Fighter*	Objective Gateway (OG)
Family of Beyond Line-of-Sight Terminals (FAB-T)	Predator Unmanned Aircraft System (UAS)
Full Scale Aerial Target	Rapid Attack Identification, Detection, and Reporting System (RAIDRS)
Global Broadcast Service (GBS)*	Small Diameter Bomb Increment I (SDB I)*
Global Combat Support System – Air Force (GCSS-AF)	Small Diameter Bomb Increment II (SDB II)
Global Command and Control System – Air Force (GCCS-AF)	Space-Based Infrared System Program, High Component (SBIRS HIGH)*
Global Command and Control System – Air Force (Infrastructure) (GCCS-AF(I))	Space-Based Space Surveillance (SBSS) and follow-on Blocks
Global Hawk High Altitude Endurance Unmanned Aerial System, RQ-4*	Space Command and Control (C2)
Global Positioning Satellite IIIA (GPS IIIA)	Space Fence (SF)
Global Positioning Satellite Next Generation Control System (GPS OCX)	Space Radar (SR)
HC/MC-130 Recapitalization Program	Theater Battle Management Core System - Force Level (TBMCS-FL)
Identification Friend or Foe (IFF) Mark XIIA Mode 5 (all development and integration programs)	Theater Deployable Communications
	Transformational Satellite Communications System (TSAT)
	Wideband Global Satellite Communications Program (WGS)*