

Activity Summary

DOT&E activity for FY11 involved oversight of 311 programs, including 45 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 FY11 included approval of 51 Test and Evaluation Master Plans (TEMPs) and 6 Test and Evaluation Strategies, disapproval of 1 TEMP (MH-60S Multi-Mission Combat Support Helicopter), approval of 79 Operational Test Plans, and approval of 4 Live Fire Test Plans and 6 Live Fire Test and Evaluation (LFT&E) Strategies/Management Plans.

In FY11, DOT&E prepared 13 Beyond Low-Rate Initial Production Reports, 4 Early Fielding Reports, 8 special reports for the Secretary of Defense and Congress, 2 LFT&E reports, and 3 FOT&E reports, as well as the Ballistic Missile Defense Programs Annual Report.

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

During FY11, 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 remain the most effective tools. In addition to onsite participation and local travel within the National Capital Region, approximately 747 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.

TEST AND EVALUATION MASTER PLANS / STRATEGIES APPROVED

Acoustic Rapid Commercial Off-the-Shelf Insertion (A-RCI)
 Advanced Processor Build (APB) 2009, Rev C
 Advanced Extremely High Frequency (AEHF)
 Air Intercept Missile – 9X (AIM-9X)
 AN/AAR-47(V) Missile Warning Set Software Qualification Test
 AN/AQS-20A Sonar, Mine Detecting Set
 AN/BYG-1 Fire Control System Advanced Processor Build
 Anniston Chemical Agent Disposal Facility
 Army Integrated Air and Missile Defense
 B-2 Defensive Management System (DMS)
 B-2 Extremely High Frequency (EHF)
 C-130J Block 7.0 and 8.1
 C-5 Avionics Modernization Program (AMP)
 C-5 Reliability Enhancement and Re-Engining Program (RERP)
 Cobra Judy Replacement
 Common Aviation Command and Control System (CAC2S)
 Common Infrared Countermeasures (CIRCM)
 Consolidated Afloat Networks and Enterprise Services
 Direct Attack Moving Target Capability (DAMTC) Laser Joint Direct Attack Munition (LJDAM) GBU-54
 Distributed Common Ground System – Navy (DCGS-N) Increment 1 Block 1.2, Rev A

DoD Public Key Infrastructure (PKI) Increment 2, Milestone C
 Early Infantry Brigade Combat Team (E-IBCT)
 Enhanced Medium Altitude Reconnaissance and Surveillance System (EMARSS)
 EProcurement
 Expeditionary Combat Support System (ECSS) Increment 1, Milestone B
 F-15E Radar Modernization Program (RMP), v2.2
 Family of Medium Tactical Vehicles (FMTV)
 Force XXI Battle Command Brigade & Below (FBCB2) Joint Capabilities Release (JCR) & Friendly Force Tracking (FFT) Program v21.5
 Global Combat Support System – Army (GCSS-A)
 Ground Combat Vehicle
 Individual Carbine
 Infrared Search & Tracking System
 Joint & Allied Threat Awareness System (JATAS)
 Joint Biological Detection System (JBSDS) Increment 2
 Joint Biological Tactical Detection System (JBTDSD)
 Joint Mission Planning System – Expeditionary (JMPS-E)
 Joint Mission Planning System – Maritime (JMPS-M) FA-18 EA-18 Mission Planning Environment (MPE) v2-3

DOT&E ACTIVITY AND OVERSIGHT

Joint Stand-off Weapon (JSOW) C-1
Joint Tactical Radio System (JTRS) Network Enterprise Domain (NED), Increment 1
KC-X
Kiowa Warrior Cockpit Sensor Upgrade (KW CASUP)
Large Aircraft Infrared Countermeasures (LAIRCM)
M997A3
Mine Resistant Ambush Protected (MRAP) Vehicle, Rev 3
Miniature Air-Launched Decoy – Jammer (MALD-J)
Mission Planning System Annex G for Increment 4 Representative Platform – E-8 Joint Surveillance Target Attack Radar System (Joint STARS)
Mobile Landing Platform (MLP)

Mobile User Objective System (MUOS) Follow-on Buy (FOB)
Navy Multiband Terminal
Nett Warrior
Ohio Replacement
Patriot
Small Diameter Bomb (SDB) II
Spider XM7
Surface-Launched Advanced Medium Range Air-to-Air Missile (SLAMRAAM) Milestone B Update
Tomahawk Weapon System (TWS), Rev F
UH-60M Black Hawk, Update
Zumwalt Class Destroyer

OPERATIONAL TEST PLANS APPROVED

Advanced Extremely High Frequency Navy Multiband Terminal Satellite Program (NMT) Test Plan
AGM-88E Advanced Anti-Radiation Guided Missile (AARGM) Test Plan
AIM-9X Air-to-Air Missile Upgrade Block II OA Test Plan
AN/AAR-47 Missile/Laser Warning Set [with Hostile Fire Indicator Variant on CH-53E Helicopter] FOT&E Test Plan
AN/AAR-47 V2 Upgrade Missile/Laser Warning Receiver [with Hostile Fire Indicator Operator Interface Modification Variant on the AH-1W Helicopter] Test Plan
B-2 (classified program) OA Test Plan
B-2 Advanced Extremely High Frequency (AEHF) Satellite Communications (SATCOM) and Computer Capability Increment 1 OA Test Plan
Ballistic Missile Defense System (BMDS) Terminal High-Altitude Area Defense (THAAD) 12 IOT&E Test Plan
C-5 Aircraft Avionics Modernization Program (AMP) Force Development Test Plan
C-17A Globemaster III Advanced Cargo Aircraft Program Force Development Test Plan
C-130J Hercules Cargo Aircraft Program [Situation Keeping Equipment (SKE)] FOT&E Test Plan
Common Aviation Command and Control System (CAC2S) Increment 1, Phase 1 IOT&E Test Plan
CVN 78 *Gerald R. Ford* Class Nuclear Aircraft Carrier Test Plan Timeline
Defense Security Assistance Management System (DSAMS) Block 3 IOT&E Test Plan
Distributed Common Ground System – Army (DCGS-A) Test Plan
EA-18G Test Plan
Enhanced AN/TPQ-36 (EQ-36) Radar System Test Plan
EProcurement Release 1.1 OA Test Plan

F-15E Radar Modernization Program (RMP) OA Test Plan
F-22 Increment 3.1 FOT&E Test Plan and Test Plan Change
Family of Medium Tactical Vehicle (FMTV) Test Plan
Financial Information Resource System (FIRST) IOT&E Test Plan
Force XXI Battle Command Brigade and Below Joint Capabilities Release 1.3 (FBCB2 JCR) LUT Test Plan
Global Combat Support System – Army IOT&E Test Plan
Global Combat Support System – Joint (GCSS-J) IOT&E Test Plan
Global Command and Control System – Joint (GCCS-J) Test Plan
Global Command and Control System – Maritime (GCCS-M) (Force Level and Full Unit Level) IOT&E Test Plans
Global Hawk (RQ-4B) Block 30 – High-Altitude Long-Endurance Unmanned Aircraft System Test Plan
Global Positioning System (GPS) Selective Availability/ Anti-Spoofing Module (SAASM) Test Plan
Integrated Defensive Electronic Countermeasures (IDECM) Block 3 Test Concept Plan
Joint Air-to-Surface Standoff Missile – Extended Range (JASSM-ER) IOT&E Test Plan
Joint Chemical Agent Detector (JCAD) First Article Test Plan
Joint Direct Attack Munition (JDAM) ([Direct Attack Moving Target Capability (DAMTC) Laser Joint Direct Attack Munition (LJDAM) GBU-54] Test Plan
Joint Mine Resistant Ambush Protected Vehicles (MRAP) [Special Operations Forces (SOF) MRAP All Terrain Vehicle (M-ATV)] Test Plan
Joint Mine Resistant Ambush Protected Vehicles [Independent Suspension System (ISS)] LUT Test Plan
Joint Mine Resistant Ambush Protected Vehicles (MaxxPro Dash Ambulance) LUT Test Plan

DOT&E ACTIVITY AND OVERSIGHT

Joint Mission Planning Systems (JMPS) [E-8 Joint Surveillance Target Attack Radar System (Joint STARS)] Test Plan

Joint Mission Planning Systems – Expeditionary (JMPS-E) Increment 1 IOT&E Test Plan

Joint Mission Planning Systems (JMPS) Supplements for E-3 and RC-135 Force Development Test Plan

Joint Tactical Radio System (JTRS) Handheld, Manpack, and Small Form Fit Radios (HMS) Manpack LUT Test Plan

Key Management Infrastructure (KMI) Increment 2 Spiral 1 OA Test Plan

Large Aircraft Infrared Countermeasures Program (LAIRCM) Phase II IOT&E Test Plan

Lewis and Clark Class of Auxiliary Dry Cargo Ships (T-AKE) FOT&E Test Plan and Test Plan Change Pages

Maritime Prepositioning Force (Future) Mobile Landing Platform (MLP) OA Test Plan

MH-60R Multi-Mission Helicopter Upgrade Test Plan

MH-60S Multi-Mission Combat Support Helicopter FOT&E Test Plan

MH-60S Multi-Mission Combat Support Helicopter [Block 2A Airborne Mine Countermeasures System] and AN/AQS-20A Minehunting Sonar OA Test Plan

Miniature Air-Launched Decoy (MALD) Way-ahead IOT&E

Mk 48 Torpedo Mods [Mod 6 Advanced Common Torpedo (ACOT) and Mod 7] Common Broadband Advanced Sonar System (CBASS) Torpedo Test Plan

MQ-9 Reaper Unmanned Aircraft System Increment 1 Block 5 Test Plan

Multi-functional Information Distribution System (MIDS) Joint Tactical Radio System (JTRS) Annex L, E-8C Joint Surveillance Target Attack Radar System (Joint STARS) Communications and Networking Upgrade (CNU) Phase 1 Test Plan

Nett Warrior LUT Test Plan

Network Integration Kit (NIK) LUT Test Plan

Osprey MV-22 Joint Advanced Vertical Lift Aircraft [Block B (OT-IIIG)] FOT&E Test Plan

Public Key Infrastructure (PKI) Increment 2 IOT&E Test Plan

Ship-to-Shore Connector (SSC) Test Plan

Small Tactical Unmanned Aerial System (STUAS) Tier II OA Test Plan

Spider XM7 Network Command Munition LUT and Force Development Test Plans

SSN 774 *Virginia* Class Submarine FOT&E Test Plan

SSN 774 *Virginia* Class Submarine/AN/BYG-1 Fire Control (Weapon Control & TMA)/Acoustic Rapid Commercial Off-the-Shelf Insertion for SONAR FOT&E Test Plan

SSN 774 *Virginia* Class Submarine/AN/BYG-1 Fire Control (Weapon Control & TMA)/Acoustic Rapid Commercial Off-the-Shelf Insertion for SONAR/CNO Project No. 0371-03 FOT&E Test Plan

SSN 774 *Virginia* Class Submarine/Acoustic Rapid Commercial Off-the-Shelf Insertion for SONAR/BYG-1 Fire Control (Weapon Control & TMA) Test Plan

Standard Missile-6 (SM-6) IOT&E Test Plan

Stryker M1126 Infantry Carrier Vehicle including Double-V Hull variant (ICVV-S) [Operational Event Phase 1] Test Plan

Stryker M1126 Infantry Carrier Vehicle including Double-V Hull variant [Driver's Protection Kit (DPK)] Test Plan

Stryker M1126 Infantry Carrier Vehicle including Double-V Hull variant (ICVV-S) [Operational Event Phase 2] Test Plan

Stryker M1126 Infantry Carrier Vehicle including Double-V Hull variant (ICVV-S) Test Plan

Stryker M1128 Mobile Gun System Validation Test Plan

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

Tomahawk Weapon System (TWS) FOT&E Test Plan

LIVE FIRE TEST AND EVALUATION STRATEGIES, TEST PLANS, AND MANAGEMENT PLANS

Stryker M1130 Commander's Vehicle including the Double-V Hull Variant [Phase 3] LFT&E Test Plan Addendum

Stryker M1132 Engineer Squad Vehicle Including the Double-V Hull Variant [Phase 3] LFT&E Test Plan

Stryker Double-V Hull (DVH) [Phase 0 (baseline) and Infantry Carrier Vehicle (ICVV)] LFT&E Test Plan

Stryker Double-V Hull [Phase II (ICVV)] LFT&E Test Plan and Addendum

Family of Light Armored Vehicles (FoLAV) LFT&E Strategy

Joint High Speed Vessel (JHSV) LFT&E Management Plan

Kiowa Warrior (KW) Cockpit and Sensor Upgrade Program (CASUP) LFT&E Strategy

Littoral Combat Ship (LCS) LFT&E Management Plan

Mobile Landing Platform LFT&E Management Plan

Ship-to-Shore Connector (SSC) LFT&E Management Plan

DOT&E ACTIVITY AND OVERSIGHT

FY11 REPORTS TO CONGRESS	
PROGRAM	DATE
BEYOND LOW-RATE INITIAL PRODUCTION (BLRIP) REPORTS	
C-5 Reliability Enhancement and Re-Engining Program (RERP)	October 2010
Suite of Integrated Radio Frequency Countermeasures (SIRFC)	October 2010
Excalibur Increment 1A-2	October 2010
TB-34 Next Generation Fat-Line Towed Array	November 2010
Warfighter Information Network – Tactical (WIN-T)	February 2011
Multi-functional Information Distribution System Joint Tactical Radio System (MIDS JTRS)	April 2011
Miniature Air-Launched Decoy (MALD)	April 2011
Improved (Chemical Agent) Point Detection System – Lifecycle Replacement (IPDS-LR)	April 2011
C-27J Joint Cargo Aircraft (JCA)	May 2011
Low Cost Conformal Array (LCCA)	May 2011
RQ-4B Global Hawk Block 30	May 2011
Space-Based Space Surveillance (SBSS) Block 10	June 2011
Integrated Defensive Electronic Countermeasures (IDECM) Block 3 Electronic Countermeasures Suite	June 2011
EARLY FIELDING REPORTS	
Mk 48 Mod 6 Advanced Common Torpedo (ACOT) and Mk 48 Mod 7 Common Broadband Advanced Sonar System (CBASS) Torpedo with the Advanced Processor Build 4 (APB 4) Software	March 2011
Navy Multiband Terminal (NMT)	April 2011
MQ-8B Vertical Take-off and Landing Unmanned Aerial Vehicle (VTUAV)	June 2011
Precision Lethality Mark 82 (PL Mk 82) Bomb	September 2011
SPECIAL REPORTS	
M855A1 Lead-Free, 5.56 mm Cartridge	October 2010
Military Combat Helmet Standard for Ballistic Testing	December 2010
High Mobility Multi-purpose Wheeled Vehicle (HMMWV) Expanded Capacity Vehicle (ECV) Family of Vehicles (FoV)	February 2011
Ship Self-Defense Operational Mission Capability	March 2011
Special Operations Force (SOF) Mine Resistant Ambush Protected – All Terrain Vehicle (M-ATV)	May 2011
Mine Resistant Ambush Protected (MRAP) Force Protection Industries (FPI) Cougar A1 and A2 Independent Suspension Systems (ISS)	June 2011
Stryker Double-V Hull (DVH) Infantry Carrier Vehicle (ICV)	August 2011
Patriot Post-Deployment Build (PDB)-6.5 System	September 2011
LFT&E REPORTS	
Medium Tactical Vehicle Replacement (MTVR) Family of Vehicles (FoV)	July 2011
Mine Resistant Ambush Protected (MRAP) All Terrain Vehicle (M-ATV) Underbody Improvement Kit (UIK)	September 2011
FOT&E REPORTS	
MH-60R Multi-Mission Helicopter and MH-60S Combat Support Helicopter	November 2010
AN/BQQ-10 Acoustic Rapid Commercial Off-the-Shelf (A-RCI) Sonar System Advanced Processor Build 2007 (APB-07) and AN/BYG-1 Combat Control System APB-07	July 2011
Joint Biological Point Detection System (JBPDS) Phase II Whole System Live Agent	August 2011
ANNUAL REPORTS	
Ballistic Missile Defense Systems (BMDS)	February 2011