

Activity Summary

DOT&E activity for FY10 involved oversight of 348 programs, including 46 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 FY10 included approval of 52 Test and Evaluation Master Plans (TEMPs)/Test and Evaluation Strategies, as well as 70 Operational Test Plans,

and eight Live Fire Test and Evaluation (LFT&E) Strategies/Management Plans for inclusion in the TEMP. In FY10, DOT&E prepared seven Beyond Low-Rate Initial Production Reports, one Early Fielding Report, and four special reports for the Secretary of Defense and Congress, as well as the Ballistic Missile Defense Programs Annual Report and a report on the Airborne Laser.

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

Air and Space Operations Center Weapon System (AOC WS)
ANIUSQ-163 (FALCONER) Increment 10.2

Air Force Distributed Common Ground System (AF DCGS)
Block 10.2

Air Intercept Missile-9X Revision E

Airborne Signals Intelligence Payload (ASIP)

Apache Block III

B-2 Advanced Technology Bomber Radar Modernization Program
Full-Rate Production Annex

C-130 Avionics Modernization Program (AMP) Change 1

Combat Control System, AN/BYG-I(V), 234-11 Revision 5

Combat Information Transport System (CITS) ACAT IAC Portfolio
Capstone with Air Force Intra-Net (AFNET) Increment 1 Appendix

Common Submarine Radio Room (CSRR) Revision 4

E-2D Advanced Hawkeye (E-2D AHE) Change One, Number 1654,
Revision B

EA-6B ICAP III Prowler Aircraft Upgrade Number 1549, Revision E

Early Infantry Brigade Combat Team (E-IBCT)

Early Infantry Brigade Combat Team (Increment 1 E-IBCT)

Excalibur Increment Ia-2

Expeditionary Combat Support System (ECSS)

Extended Range Multi-Purpose Unmanned Aircraft System (ER/MP
UAS)

F/A-18+/CIDIEIF Software Qualification Number S1699, Revision B

F/A-18EIF APG-79 Active Electronically Scanned Array (AESA)
Radar Upgrade (RUG) Phase III, Revision E, Revision G

F/A-18E/F Software Qualification, Revision G

F-35 Joint Strike Fighter Lightning II, Revision 3

General Fund Enterprise Business System (GFEBSS)

Global Command and Control System-Maritime (GCCS-M)
Increment 2 (4.1)

Global Positioning System (GPS) Enterprise

HC/MC-130 Recapitalization

Improved (Chemical Agent) Point Detection System-Lifecycle
Replacement (IPDS-LR) Test and Evaluation Master Plan

Integrated Strategic Planning and Analysis Network (ISPAN)
Increment 2

Joint Air-to-Surface Standoff Missile - Extended Range (JASSM-ER)
(AGM-158B)

Joint Biological Point Detection System (JBPDS) Revision 16

Joint Cargo Aircraft

Joint Chemical Agent Detector (JCAD), Increment I, Version 3.1

Joint Counter Radio Controlled Improvised Explosive Device
Electronic Warfare (JCREW) Systems Increment 1

Joint Mission Planning System-Expeditionary (JMPS-E) Mission
Planning Environment (MPE) Increment I

Joint Mission Planning System-Maritime (JMPS-M) Number
1588 Revision C, Annex 'V' for the VH-3/VH-60 Mission Planning
Environment (MPE) version 1.0

Joint Torpedo MK 48 Advanced Capability (ADCAP) Mod 7
Common Broadband Advanced Sonar System (CBASS) 0371-03,
Revision 1

Marine Corps/Global Combat Support System Logistics Chain
Management (GCCS-MC/LCM) Block 1

Mine Resistant Ambush Protected (MRAP) Low-Rate Initial
Production (LRIP)

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

Navy Enterprise Resource Planning (Navy ERP) Version 4

Navy Multi-band Terminal (NMT)

Non-Line-Of-Sight Launch Systems (NLOS-LS), Annex J

P-8A Poseidon

DOT&E ACTIVITY AND OVERSIGHT

Palletized Load System (PLS) AI Tactical Truck
Small Diameter Bomb II (SDB-II) Milestone B (MS-B)
Small Tactical Unmanned Aircraft System/Tier II Unmanned Aircraft System (STUAS/Tier II)
Spider XM7 Command Network Munition Update for Low-Rate Initial Production (LRIP) Phase and Stand-off Capability Enhancement (SCE) Program
Stryker Nuclear, Biological, and Chemical Reconnaissance Vehicle (NBCRV), Revision 6

Surface Electronic Warfare Improvement Program (SEWIP) Block 2
Tactical Unmanned Aircraft System
Teleport, Generation 3, Phase 1
USMC H-I Upgrades Program (H-I) No. 1435 Revision D
Virginia (SSN 774) Class Submarine Test and Evaluation Master Plan 1425, Revision F

OPERATIONAL TEST PLANS APPROVED

Advanced Extremely High Frequency (AEHF) Operational Utility Evaluation (OUE) Revision I

Aegis Enterprise Program (DT/OT-CI)

Aegis Enterprise Program (OT-CI)

AGM-88E Advanced Anti-radiation Guided Missile (AARGM) Initial Operational Test and Evaluation (OT-C)

Air Force B-2 Radar Modernization Program Mode Set 2 FOT&E Plan

Air Force Distributed Common Ground System (AF DCGS) Block 10.2 Force Development Evaluation (FDE) Plan

Air Intercept Missile-9X Block II Sidewinder Operational Test Plan (OTP) Number 1412-QT-111C

Air Warfare/Ship Self-Defense (AW/SSD) Enterprise, CNO Project 1400, Follow-On Operational Test and Evaluation (OT-IIIIE) of the Ship Self Defense System (SSDS) Mark 2 Mod IA and CNO Project 1471, Follow-On Operational Test and Evaluation (OT-D2) of the Evolved SeaSparrow Missile (ESSM) Program

AN/AAQ-24(V)25 Large Aircraft Infrared Countermeasures (DoN LAIRCM) OT-D2 Installed on United States Marine Corps (USMC) CH-53D Assault Support Helicopter

ANIBYG-I APB-07 Combat Control system, the ANIBQQ-I0 APB-07 A-RCI Sonar system and the TB-34 Towed Array Combined Test Plan

Apache Block III (AB3) Limited User Test (LUT)

B-1 Fighter Integrated Data Link (FIDL) Operational Assessment (OA) Plan

Combat Information Transport System (CITS) Air Force Intra-Net (AFNET) Increment 1 Operational Utility Evaluation (OUE) Plan

Common Aviation Command and Control System (CAC2S) OA Plan

Common Submarine Radio Room FOT&E (OT-DI)

Defense Enterprise Accounting and Management System (DEAMS) Early Operational Assessment (EOA) Plan

Department of Defense Public Key Infrastructure (PKI) Increment 2, Spiral 1 Secret Internet Protocol Router Network (SIPRNet) Token OA Plan

DoD Teleport System Generation Two, Phase Two (G2P2), MultiService OT&E Plan

E-2D Advanced Hawkeye (E-2D AHE) (OT-CI)

Expeditionary Combat Support System Release 1 EOA Plan

Expeditionary Fighting Vehicle (EFV) Hot Weather Developmental Test/Operational Test Plan

Expeditionary Fighting Vehicle Waterborne Directional Stability II Operational Test Plan

Extended Range MultiPurpose Unmanned Aircraft System LUT for the Quick Reaction Capability 2 Unit Capability

F/A-18 System Configuration Set (SCS) 23X OTP S1699-OT-D3, SCS H6E Software Qualification Testing (SQT) and Active Electronically Scanned Array Radar (AESA) FOT&E 2 OTP 1589-OT-IIIH

F-35 Joint Strike Fighter OA (OT-IIIE)

General Fund Enterprise Business System Release 1.4.1 LUT

Global Combat Support System - Joint (GCSS-J) Version 7.1.0 OT&E Plan

Global Combat Support System - Army (GCSS-A) Release 1.1

Global Combat Support System - Marine Corps (GCSS-MC) / Logistics Chain Management, Block 1, Release 1.1 OTP

Global Command and Control System - Maritime (GCCS-M) v4.1 IOT&E Plan

Global Command and Control System - Maritime (GCCS-M) v4.1 OA Plan

Global Command and Control System - Maritime (GCCS-M) v4.1 Unit Level OA Plan

Global Combat Support System – Joint (GCSS-J) Version 7.1.1

Global Positioning System (GPS) Enterprise IIF Modernization FDE

Improved (Chemical Agent) Point Detection System-Lifecycle Replacement (IPDS-LR) Program

Infantry Brigade Combat Team (IBCT) Increment I LUT

Joint Cargo Aircraft MultiService

Joint Chemical Agent Detector (JCAD) FOT&E

Joint Chemical Agent Detector (JCAD) Increment 1 Enhanced M4EI Developmental/Operational Test Plan

DOT&E ACTIVITY AND OVERSIGHT

Joint Mission Planning (JMPS) F-16 MS.I +Mission Planning Environment (MPE) Supplement to the JMPS Field Development Evaluation Test Plan

Joint Mission Planning System FDE Test Plan Supplements for F-22 Version 11, F-16 Block 30 SCU 7, B-IB Release 4.0, and A-IO Suite 6

Joint Mission Planning System -Maritime Marine Helicopter Mission Planning Environment Program IOT&E (OT-IIIE)

Joint Mission Planning System-Maritime (JMPS-M) Test Plan for CNO Project Number 1588 F/A-18 Mission Planning Environment (MPE) 2.3

Joint Mission Planning System-Maritime (JMPS-M) Test Plan for CNO Project Number 1588 IOT&E (OTIIN) VH-3/VH-60 Helicopter MPE

Joint Primary Aircraft Training System (JPATS) T-6 Avionics Upgrade Project (AUP) (OT-DI)

Large Aircraft Infrared Countermeasures (DoN LAIRCM) Installed on USMC CH-46E Assault Support Helicopter FOT&E (OT-DI)

LCS 2 Electronic Chart Display and Information System Navy (ECDIS-N) Configuration IOT&E (OT-A3)

Low Cost Conformal Array IOT&E (OT-C)

Mine Resistant Ambush Protected (MRAP) – All Terrain Vehicle (M-ATV), IOT&E

Miniature Air Launched Decoy – Jammer (MALD-J) ADM-160C OA Mobile Landing Platform (MLP) EOA (OT-AI)

Multi-functional Information Distribution System – Joint Tactical Radio System (MIDS-JTRS) Program (OT-CI)

Navy Enterprise Resource Planning (Navy ERP) IOT&E (OT-C2B) Plan for Release 1.1

Navy Multiband Terminal (NMT) Program OA (OT-BI)

Net-Centric Enterprise Services (NCES) IOT&E Plan update for FOT&E 2

PATRIOT Post Deployment Build (PDB) 6.5 LUT

RQ-4 Global Hawk Block 20/30 Unmanned Aerial System IOT&E

Ship Self Defense System Mark 2 Mod 3 A FOT&E (OT-IIIE)

Space Based Space Surveillance (SBSS) Block 10 IOT&E Plan

Spider XM7 Command Network Munition Follow-on

STANDARD Missile-6 (SM-6) (OT-IIA)

Stryker-Mobile Gun System (MGS) Engineering Change Order (ECO) Validation Reliability

Surveillance Towed Array Sensor System (SURTASS) and Compact Low Frequency Active (CLFA) OA (OT-IIF)

Tactical Unmanned Aircraft System Laser Rangefinder/Designator LUT

Terminal High Altitude Area Defense (THAAD) LUT (OTA-TP)

USAF Warfare Center MQ-9 GBU-38 Joint Direct Attack Munition Combined Developmental Test Support/FDE Test Plan,

USMC H-I Upgrades Program AH-IZ OT-IIC3

Virginia Class Submarine FOT&E (OT-IIIA-5)

Virginia Class Submarine FOT&E Events OT-IIIA-1 and OT-IIIA-2

XM501 Non Line-of-Sight Launch System Limited User Flight Test

LIVE FIRE TEST AND EVALUATION STRATEGIES / MANAGEMENT PLANS

Apache Block III LFT&E Strategy

Cartridge, 5.56mm, Ball, Lead Free Slug, M855 LFT&E Strategy

CH-53K LFT&E Strategy (Revision)

DDG1000 LFT&E Management Plan

Enhanced Combat Helmet LFT&E Strategy

Family of Medium Tactical Vehicles-Long Term Armor Strategy Rebuy LFT&E Strategy

Joint High Speed Vessel LFT&E Management Plan

Littoral Combat Ship LFT&E Management Plan

DOT&E ACTIVITY AND OVERSIGHT

FY10 REPORTS TO CONGRESS		
PROGRAM	REPORT TYPE	DATE
BLRIP Reports		
Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion (A-RCI) AN/BQQ-10(V) Sonar System	OT&E BLRIP Report	October 2009
<i>Virginia</i> Class Submarine	Combined OT&E/LFT&E BLRIP Report	November 2009
Department of the Navy Large Aircraft Infrared Countermeasures (DoN LAIRCM)	OT&E BLRIP Report	December 2009
Vertical Launch Anti-Submarine Rocket (ASROC) with the Mk 54 Mod 0 Lightweight Hybrid Torpedo (VLA Mk 54)	OT&E BLRIP Report	January 2010
CV-22 Osprey	OT&E BLRIP Report	January 2010
USS <i>San Antonio</i> Class (LPD 17) Amphibious Transport Dock Ship	Combined OT&E/LFT&E BLRIP Report	June 2010
USMC H-1 Upgrades (AH-1Z)	Combined OT&E/LFT&E BLRIP Report	September 2010
Special Reports		
Assessment of the Mine Resistant Ambush Protected (MRAP) Family of Vehicles	Combined OT&E/LFT&E Special Report	March 2010
Operational and Live Fire Report of the M915A5 Truck Tractor, Line Haul	Combined OT&E/LFT&E Special Report	May 2010
Live Fire and Operational Test and Evaluation Report on the Mine Resistant Ambush Protected (MRAP) All-Terrain Vehicle (M-ATV)	Combined OT&E/LFT&E Special Report	June 2010
DOT&E Independent Assessment of the Army's Phase I and Phase II Follow-On Testing of Hard Body Armor	Special Report	July 2010
BMDs Reports		
Airborne Laser (ABL)	Missile Defense Report	January 2010
2009 Assessment of the Ballistic Missile Defense Systems (BMDS)	Annual Report	February 2010
Early Fielding Reports		
Littoral Combat Ship (LCS) 1	Early Fielding Report	July 2010

During FY10, 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 835 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.