

## FY13 Activity Summary

DOT&E activity for FY13 involved oversight of 312 programs, including 46 Major Automated Information Systems (MAIS). 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 FY13 included approval of 44 Test and Evaluation Master Plans (TEMPS) and 2 Test and Evaluation Strategies, as well as 63 Operational Test Plans, and 5 Live Fire Test and Evaluation (LFT&E) Strategies and Management Plans, and disapproval of 2 TEMPs (Air and Missile Defense Radar (AMDR) and AEGIS Cruiser and Destroyer Program TEMP CNO Project No. 1669 Revision 1) and 1 Test Plan (Integrated Electronic Health Record (iEHR) Increment I Operational Assessment).

In FY13, DOT&E prepared for the Secretary of Defense and Congress: 9 Initial Operational Test and Evaluation (IOT&E) Reports, 3 Early Fielding Reports, 11 Follow-on Operational Test and Evaluation (FOT&E) Reports, 6 LFT&E reports, 5 special reports, as well as the Ballistic Missile Defense (BMD) Programs FY12 Annual Report. DOT&E also prepared and submitted numerous reports to the Defense Acquisition Board

(DAB) principals for consideration in DAB deliberations. Additional FY13 DOT&E reports that did not go to Congress included: 9 Operational Assessment Reports, 3 LFT&E reports, 3 MAIS reports, 3 Limited User Test reports, 5 FOT&E reports, 4 Operational Utility Evaluation reports, and 4 special reports.

During FY13, 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 are a primary source of information for DOT&E evaluations. In addition to on-site participation and local travel within the National Capital Region, approximately 701 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

AAC-130J TEMP

AN/BQQ-10 Sonar System (Revision D) TEMP for Post Milestone C FOT&E

AN/BYG-1 Combat Control System (Revision 7) TEMP for Post Milestone C FOT&E

AN/SLQ-32(V) Block Upgrade Surface Electronic Warfare Improvement Program (SEWIP) Block 2 TEMP Prepared for Milestone C Decision

Army Logistics Modernization Program (LMP) Increment 2 Milestone B TEMP and Test and Evaluation Paragraph of the Business Case

B61 Life Extension Program (LEP) Ail Kit Assembly (TKA) Program Milestone B TEMP

Battle Control System – Fixed (BCS-F) Increment 3, Release 3.2 (R3.2) TEMP

CARTRIDGE, 7.62 MM: BALL, M80A1 TEMP

Cobra Judy Replacement (CJR) TEMP No. 1655, Revision B

Command and Control Air Operations Suite/Command and Control Information Services (C2AOS/C2IS) Increment 1 TEMP

Defense Readiness Reporting System Strategic (DRRS-S) TEMP

E-2D Advanced Hawkeye (AHE) TEMP

F/A-18E/F Flight Plan TEMP 1787 Change 1

F-22 Increment 3.2A TEMP

F-22A Increment 3.2B TEMP

Fleet Replenishment Oiler T-AO(X) Test and Evaluation Strategy (TES)

Global Combat Support System – Army (GCSS-Army) Post-Full Deployment Decision TEMP

Guided Multiple Launch Rocket System with Alternative Warhead (GMLRS-AW) Change 1 to the Milestone B TEMP

HC/MC-130 Recapitalization TEMP

Joint Air to Surface Missile – Extended Range (JASSM-ER) Full-Rate Production Decision (FRPD) TEMP

Joint Precision Approach and Landing System (JPALS) Increment 1A TEMP

Joint Space Operations Center (JSPOC) Mission System (JMS) TEMP

Joint Strike Fighter (JSF) TEMP Revision 4 (Conditional Approval)

Joint Warning and Reporting Network (JWARN) TEMP Annex KC-46 TEMP

Littoral Combat Ship (LCS) Draft TEMP (Conditional Approval)

Littoral Combat Ship (LCS) Program TEMP Revision A

M109 Family of Vehicles Paladin Integrated Management (PIM) Self-Propelled Howitzer (SPH) and Carrier, Ammunition, Tracked (CAT) Vehicle TEMP Update

M982E1 Excalibur Increment Ib Milestone C TEMP

Mk 54 Torpedo with Block Upgrade (BUG) Software TEMP

M109 Family of Vehicles Paladin Integrated Management (PIM) TEMP

MQ-1C Gray Eagle Unmanned Aircraft System (UAS) TEMP

# DOT&E ACTIVITY AND OVERSIGHT

Navy Enterprise Resource Planning (ERP) TEMP Update  
Next Generation Enterprise Network (NGEN) Program TEMP  
Next Generation Jammer (NGJ) Test and Evaluation Strategy  
Precision Guidance Kit (PGK) TEMP  
Presidential Helicopter Replacement Program (VXX) TEMP  
Public Key Infrastructure (PKI) TEMP Addendum and Future Operational Testing  
QF-16 Full Scale Aerial Target (FSAT) TEMP

SCS 25X TEMP  
Space Fence TEMP  
Standard Missile-6 (SM-6) TEMP Revision A  
Submarine Electronic Warfare Support (ES) System (AN/BLQ-10) TEMP with changes  
Theater Medical Information Program – Joint (TMIP-J) TEMP  
XM7 Spider TEMP Update Rev2.0 Version  
XM7A1 SPIDER Increment 1A TEMP

## OPERATIONAL TEST PLANS APPROVED

AC-130J LFT&E Alternative Test Plan  
Amphibious Assault Ship Replacement (LHA-6) Test Plan for CNO Project No 1697 Operational Assessment (OT-B2)  
AN/SQQ-89A(V) 14 Surface Ship Undersea (USW) Combat System Program Test Plan for CNO Project No. 0802-02, Operational Assessment  
AN/SQQ-89A(V)15 Surface Ship Undersea Warfare Combat System Program Test Plan for CNO Project No. 0802-02, IOT&E  
AN/TPQ-53 Limited User Test Operational Test Agency Test Plan  
Ballistic Missile Defense System (BMDS) Flight Test Operational -01 (FTO-01) Test Plan and Classified Annex  
Battle Control System – Fixed (BCS-F) FOT&E Plan  
C-17 Increased Gross Weight and Formation Spacing Reduction Follow-On Operational Test Agency Test Plan  
CH-47F Cargo On/Off Loading System Test Plan  
COBRA JUDY Replacement (CJR) Multiservice Operational Test and Evaluation (MOT&E) Plan  
Combat Control System (AN/BYG-1(V))/Acoustic-Rapid Commercial Off-The-Shelf-Insertion (AN/BQQ-10(V)) System Advanced Processing Build 11 Combined FOT&E Test Plan  
Defense Enterprise Accounting and Management System (DEAMS) Increment 1 Release 1 Operational Assessment 2 Plan  
Defense Readiness Reporting System (DRRS) Version 4.6 IOT&E Plan  
Distributed Common Ground System – Navy (DCGS-N) Increment 1, Block 2 Operational Assessment Test Plan  
E-2D Advanced Hawkeye Data Management and Analysis Plan (DMAP) for Verification of Correction of Deficiencies (VCD)  
E-2D Test Assessment Plan  
Electronic Protection Improvement Program (EPIP) Test Plan Approval  
Enhanced Polar System (EPS) Early Operational Assessment Operational Test Agency Test Plan  
F/A-18A+/A++/C/D/E/F System Configuration Set (SCS) 25X FOT&E Test Plan  
F-15E Radar Modernization Program (RMP) Operational Test Agency IOT&E Plan  
F-35 Radar Cross Section Initial Look Test Operational Utility Evaluation Test Plan  
F-35 Radar Cross Section Initial Look Test Operational Utility Evaluation Test Plan Amendment  
Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) Increment 1 Operational Assessment Plan  
Flight II DDG-51 Aegis Weapon System 7.1R and Cooperative Engagement Capability USG-2A FOT&E Test Plan Change Transmittal 1  
Global Broadcast System (GBS) Defense Computing Center Force Development Evaluation Operational Test Agency Test Plan  
Ground/Air Task Oriented Radar (G/ATOR) Operational Assessment Test Plan and Strategy  
Headquarters Central Command (CENTCOM) Information Assurance Assessment Plan  
Joint Battle Command – Platform (JBC-P) IOT&E Operational Test Agency Test Plan  
Joint High Speed Vessel (JHSV) IOT&E Test Plan  
Joint High Speed Vessel (JHSV) Change Transmittal 2 to IOT&E Test Plan  
Joint Land Attack Cruise Missile Defense Elevated Netted Sensor System (JLENS) Early User Test Plan  
Joint Land Attack Cruise Missile Defense Elevated Netted Sensor System (JLENS) Early User Test (EUT) Operational Test Agency Test Plan Test Change Proposal  
Joint Precision Approach and Landing System (JPALS) Increment 1A IT-B2 Test Plan  
Joint Warning and Reporting Network (JWARN) Operational Test Agency Test Plan  
KC-46A Operational Assessment-1 Plan  
M109 Family of Vehicles Limited User Test (LUT) Operational Test Agency Test Plan  
Mk 54 MOD 0 Lightweight Torpedo with Block Upgrade Software Change 2 Operational Test Plan  
Mk 54 Set-NOT-to-Hit Test Plan Annex for Cape Cod events in Sept 13  
Mk 54 Set-to-Hit Test Plan Annex for Cape Cod events in Sept 13  
Mode 5 Identification Friend or Foe (IFF) Joint Operational Test Approach 2 (JOTA 2) Test Plan  
MQ-9 GBU-38 Joint Direct Attack Munition (JDAM) Integration Combined Developmental Test Support/Force Development Evaluation (FDE) Test Plan  
Multi-static Active Coherent (MAC) Increment I Phase I on P-3 Aircraft IOT&E Test Plan  
MV-22B FOT&E Test Plan  
Navy Enterprise Resource Planning (ERP) System Release 1.1 FOT&E Plan and FOT&E Plan Change 1  
Nett Warrior Limited User Test Operational Test Agency Test Plan

# DOT&E ACTIVITY AND OVERSIGHT

Nett Warrior Limited User Test Operational Test Agency Test Plan Test Change Proposal

Precision Guided Kit (PGK) Early User Assessment Operational Test Agency Test Plan

Public Key Infrastructure (PKI) Increment 2, Spiral 3 FOT&E 2/Non-Person Entity (NPE) Operational Assessment Plan

QF-16 Operational Assessment Plan

Rolling Airframe Missile (RAM) Block 2 Program Test Plan for Enterprise Test (ET-05) Phase 1 Warfare/Ship Self-Defense (AW/SSD) Enterprise, FOT&E (OT-IIIIF)

RQ-21A Small Tactical Unmanned Aircraft System, Project No. 1719-OT-B2 Operational Assessment Test Plan

RQ-4B Block 40 Early Operational Capability (EOC) Operational Utility Evaluation (OUE) Test Plan

Ship-to-Shore Connector (SSC) Integrated Evaluation Framework (IEF) Endorsement

Spider SM7, Dispensing Set, Munition, Network Command Follow-on Operational Test 3 Operational Test Agency Test Plan

Submarine Electronic Warfare Support (ES) System (AN/BLQ-10) Test Plan

Theater Medical Information Program – Joint Increment 2 Release 2 Multi-Service Operational Test and Evaluation Operational Test Agency Test Plan

U.S. Africa Command (USAFRICOM) Vulnerability Assessment FY13 (VA13) Final Assessment Plan

U.S. Army Warfighter Exercise 13-4 Assessment Plan

U.S. European Command (EUCOM) Theater Cyber Readiness Campaign FY13 Information Assurance Assessment Plan

U.S. Special Operations Command Information Assurance and Interoperability Assessment Plan for EMERALD WARRIOR 13

USTRANSCOM Real World 13 Final Assessment Plan (FAP)

*Virginia* Class Submarine FOT&E Test Plan

Warfighter Information Network – Tactical (WIN-T) Increment 2 FOT&E Operational Test Agency Test Plan

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## LIVE FIRE TEST AND EVALUATION STRATEGIES/MANAGEMENT PLANS

AC-130J LFT&E Alternate Test Plan

CH-47F Improved Cargo Helicopter Post-Production Improvement Alternate LFT&E Strategy and Operational Test Agency Test Plan

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

Littoral Combat Ship 30 mm LFT&E Management Plan

Presidential Helicopter LFT&E Concept

# DOT&E ACTIVITY AND OVERSIGHT

FY13 REPORTS TO CONGRESS	
PROGRAM	DATE
<b>IOT&amp;E Reports</b>	
E-3 Airborne Warning and Control System (AWACS) Block 40/45	October 2012
Distributed Common Ground System – Army (DCGS-A) Software Baseline (DSB) 1.0	October 2012
ALR-69A Radar Warning Receiver	October 2012
B-2 Extremely High Frequency (EHF) Satellite Communications (SATCOM) and Computer Upgrade Increment 1	December 2012
MQ-1C Gray Eagle Unmanned Aircraft System (with classified annex)	January 2013
E-2D Advanced Hawkeye (AHE)	February 2013
HC/MC-130J (with classified annex)	April 2013
AGM-158B Joint Air-to-Surface Standoff Missile – Extended Range (JASSM-ER)	May 2013
Standard Missile-6 (SM-6)	May 2013
<b>Early Fielding Reports</b>	
20 mm Fixed Forward Firing Weapons (FFFW) for the MH-60 Armed Helicopter Weapon System (AHWS)	January 2013
Massive Ordnance Penetrator (MOP) Phase 2	January 2013
RQ-4B Global Hawk Block 40	August 2013
<b>FOT&amp;E Reports</b>	
Joint Warning and Reporting Network (JWARN)	October 2012
Virginia Class Submarine, AN/BQQ-10 Acoustic Rapid Commercial Off-the-Shelf (A-RCI) Sonar System Advanced Processor Build 2009 (APB-09) and AN/BYG-1 Combat Control System (APB-09) Consolidated	November 2012
LPD-17 Chemical, Biological, and Radiological (CBR) Defense	November 2012
F-22A Increment 3.1 (classified report in SCIF)	December 2012
Virginia Class Submarine Arctic Operations and Susceptibility to Passive Acoustic Sensors	May 2013
Mk 48 Heavyweight Torpedo with APB Spiral 4 Tactical Software	May 2013
USNS <i>Lewis &amp; Clark</i> (T-AKE) Class of Dry Cargo and Ammunition Ships	May 2013
H-1 Upgrades	July 2013
AN/BLQ-10 Submarine Electronic Warfare Support System with the Technical Insertion 2008 (TI-08) Upgrade and the Multifunction Modular Mast (MMM)	September 2013
USG-3B Cooperative Engagement Capability (CEC)	September 2013
Warfighter Information Network – Tactical (WIN-T) Increment 2 (with classified annex)	September 2013
<b>LFT&amp;E Reports</b>	
Bradley Family of Vehicles (BFoVs) Engineering Change Proposal (ECP)	November 2012
United States Marine Corps Light Armored Vehicle (LAV) with A2 Upgrades	January 2013
Mine-Resistant Ambush-Protected (MRAP) All-Terrain Vehicle (M-ATV) Underbody Improvement Kit (UIK) Final Assessment	March 2013
Mk 248 Mod 0 .300 Caliber Cartridge (U)	June 2013
Enhanced Combat Helmet (ECH) Follow-On Report	June 2013
Stryker Double-V Hull (DVH) Summary Report	August 2013
<b>Special Reports</b>	
Ship Self-Defense (SSD) Operational Mission Capability Assessment	November 2012
Space-Based Infrared System (SBIRS) Effectivity 5 Operational Utility Evaluation (OUE) Report	December 2012
Mobile User Objective System (MUOS) Multi-Service Operational Test and Evaluation Report	January 2013
Assessment of Department of Defense (DoD) Cybersecurity during Major Combatant Command Service Exercises (FY12)	April 2013
Patriot Post-Deployment Build-7 (PDB-7) Limited User Test (LUT) Assessment Report	April 2013
<b>BMD Reports</b>	
FY12 Assessment of the Ballistic Missile Defense Systems (includes Classified Appendices A, B, C, D)	February 2013

# DOT&E ACTIVITY AND OVERSIGHT

OTHER FY13 REPORTS (NOT SENT TO CONGRESS)	
PROGRAM	DATE
<b>Operational Assessment Reports</b>	
Joint Tactical Radio System (JTRS) Handheld, Manpack, Small Form Fit (HMS) Manpack Radio and Joint Enterprise Network Manager (JENM) (with classified annex)	October 2012
Consolidated Afloat Network and Enterprise Services (CANES)	December 2012
XM1156 Precision Guidance Kit (PGK)	March 2013
Integrated Defensive Electronic Countermeasures (IDECM) Block 4	April 2013
Small Tactical Unmanned Aerial System (STUAS)	April 2013
MH-60S Block 2A Airborne Mine Countermeasures (AMCM) Helicopter and the AN/AES-1 Airborne Laser Mine Detection System (ALMDS)	May 2013
KC-46A	June 2013
CH-47F Cargo On-Off Loading System (COOLS) (Integrated Test and Live Fire Test)	July 2013
QF-16 Full Scale Aerial Target Program	September 2013
<b>MAIS IOT&amp;E Reports</b>	
Integrated Strategic Planning and Analysis Network (ISPAN) Increment 2 (with classified annex)	October 2012
Key Management Infrastructure (KMI) Capability Increment 2, Spiral 1	October 2012
Battle Control System – Fixed (BCS-F) Increment 3, Release 3.2 (with classified annex)	November 2012
<b>Limited User Test Reports</b>	
Nett Warrior Operational Assessment	March 2013
Operational Assessment of the AN/TPQ-53 Counterfire Target Acquisition Radar (Q-53)	April 2013
Paladin PIM Limited User Test Operational Assessment	August 2013
<b>FOT&amp;E Reports</b>	
C-130J Station Keeping Equipment (SKE) Software Enhancement (SSE)	October 2012
C-130J Data Transfer and Diagnostic System (DTADS)	October 2012
Spider XM7 Network Command Munition	February 2013
Key Management Infrastructure (KMI) Capability Increment (CI)-2 Spiral 1	April 2013
Public Key Infrastructure (PKI) Increment 2	May 2013
<b>LFT&amp;E Reports</b>	
Stryker Double-V Hull (DVH) Configuration of the Anti-Tank Guided Missile Vehicle (ATVV) and the Driver's Station Enhancement II (DSE II)	October 2012
CH-47F Cargo On-Off Loading System (COOLS) Live Fire Test and Evaluation Assessment	August 2013
Live Fire Test and Evaluation Report for the M109 Family of Vehicles, Paladin Integrated Management (PIM)	September 2013
<b>Operational Utility Evaluation Reports</b>	
Information Transport System Increment 2 (ITS2)	February 2013
F-35A Joint Strike Fighter (JSF) Ready for Training	February 2013
Joint Space Operations Center (JSpOC) Mission System (JMS) (includes classified annex)	February 2013
Advanced Extremely High Frequency (AEHF) Mission Control Segment Increment 5	June 2013
<b>Special Reports</b>	
C-5M Testing for Operational Flight Program (OFP) 3.5 and Thrust Reverser Modifications Force Development Evaluation	October 2012
Assessment of the U.S. Central Command (USCENTCOM) Ballistic Missile Defense Architecture (Fast Eagle exercise)	February 2013
Hellfire Romeo Missile Interim Lethality Assessment	May 2013
Global Combat Support System – Army (GCSS-A) Lead Site Verification Test Assessment	June 2013

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