

FY14 Activity Summary

DOT&E activity for FY14 involved oversight of 309 programs, including 26 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 removed from the DOT&E oversight list.

Our review of test planning activities for FY14 included approval of 43 Test and Evaluation Master Plans (TEMPs); 3 Test and Evaluation Strategies; 90 Operational Test Plans; 5 Live Fire Test and Evaluation (LFT&E) Strategies and Management Plans; and disapproval of the following 5 TEMPs and 5 Test Plans:

- Remote Minehunting System (RMS) Test and Evaluation Master Plan (TEMP), TEIN 1520, Revision D, Change 1
- Littoral Combat Ship (LCS) Test and Evaluation Master Plan (TEMP)
- Surface Electronic Warfare Improvement Program (SEWIP) Block 3 Test and Evaluation Master Plan (TEMP)
- Distributed Common Ground System –Army (DCGS-A) Test and Evaluation Master Plan (TEMP)
- Mobile Landing Platform (MLP) Test and Evaluation Master Plan (TEMP)
- Global Command and Control System – Joint (GCCS-J) Version 4.3 Follow-on Operational Test and Evaluation (FOT&E) Plan
- TRICARE Online (TOL) Blue Button and Data Federation Operational Assessment (OA) Test Plan
- Remote Minehunting System OA Test Plan
- SEWIP Initial Operational Test and Evaluation (IOT&E) Test Plan
- Automated Identification Biometric System (ABIS) 1.2 Limited User Test (LUT) Plan

In FY14, DOT&E prepared for the Secretary of Defense and Congress: 6 IOT&E reports, 5 Early Fielding Reports, 5 FOT&E reports, 1 LFT&E report, 1 OT&E report, 1 OA report, 2 special reports, and the Ballistic Missile Defense program’s FY13 Annual Report. DOT&E also prepared and submitted numerous reports to the Defense Acquisition Board (DAB) principals for consideration in DAB deliberations. Additional FY14 DOT&E reports that did not go to Congress included: 10 Cybersecurity reports, 1 Early Fielding report, 1 Early OA report, 3 FOT&E reports, 3 Force Development Evaluation reports, 1 IOT&E report, 1 LFT&E report, 11 Operational Assessment reports, 2 OT&E reports, and 5 special reports.

During FY14, 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 DAB principals, the Secretary and Deputy Secretary of Defense, the Under Secretary of Defense for 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 930 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

Aegis Cruiser and Destroyer Program TEMP CNO Project Number 1669 Revision 1

AH-64E TEMP Net Ready Annex.

Air Operations Center – Weapon System (AOC-WS) Increment 10.2 TEMP

AN/AAQ-24A (V) 25 Department of the Navy Large Aircraft Infrared Countermeasures (DoN LAIRCM) in a Pod Configuration (Guardian Pod) and AN/AAQ-24B (V) 25 DoN LAIRCM Advanced Threat Warning (ATW) TEMP

AN/SQQ-89A(V)15 Surface Ship Undersea Warfare (USW) Combat System Advanced Capability Build (ACB) TEMP

Armored Multi-Purpose Vehicle (AMPV) TEMP

Assault Amphibious Vehicle Survivability Upgrade TEMP

C-5 Core Mission Computer and Weather Radar (CMC/Wx Radar) Program TEMP

Cartridge 7.62 Millimeter: Ball, M80A1 TEMP Update

Combat Rescue Helicopter (CRH) TEMP for Milestone B

Common Aviation Command and Control System (CAC2S) TEMP

Consolidated Afloat Networks and Enterprise Services (CANES) TEMP Approval

Cougar Family of Vehicles Enduring Fleet Modifications TEMP Addendum

Defense Agencies Initiative (DAI) Increment 2 TEMP for Milestone B

Defense Enterprise Accounting and Management System (DEAMS) TEMP

Department of Defense Healthcare Management System Modernization (DHMSM) Program, Test Strategy

Distributed Common Ground/Surface System (DCGS-MC) – Marine Corps Geospatial Intelligence TEMP

E-2D Advanced Hawkeye (AHE) Revision D TEMP

FY14 DOT&E ACTIVITY AND OVERSIGHT

Enhanced Polar System (EPS) TEMP

E-2D TEMP number 1654 Revision D

Family of Light Armored Vehicles (FOLAV) TEMP

Global Combat Support System – Joint (GCSS-J) Milestone B/C TEMP

Global Combat Support System – Marine Corps/Logistics Chain Management (GCSS-MC/LCM) Increment 1 TEMP

Indirect Fire Protective Capability Increment 2-I (IFPC Inc 2-I) Test and Evaluation Strategy)

Integrated Personnel and Pay System – Army (IPPS-A) Increment I Milestone C TEMP

Joint Battle Command – Platform (JBC-P) TEMP

Joint Battle Command – Platform (JBC-P) TEMP changes, Version 3.4

Key Management Infrastructure (KMI) Increment 2, Spiral 2 TEMP Addendum

M829E4 (120 mm: Armored Piercing, Fin Stabilized, Discarding Sabot – Tracer, Kinetic Energy Cartridge) System Live Fire Test and Evaluation Strategy

M829E4 Abrams Tank Main Gun Round TEMP

M982E1 Excalibur Increment Ib TEMP

Multifunctional Information Distribution System (MIDS), Joint Tactical Radio System (JTRS), Concurrent Multi-Netting Four (CMN-4) Full Deployment TEMP Annex J

Nett Warrior TEMP

Next Generation Chemical Detector (NGCD 1) Detector Alarm, ACAT II TEMP, Version 1.1 Supporting Milestone A

Next Generation Chemical Detector (NGCD 3) Sample Analysis, ACAT II TEMP, Version 1.1 Supporting Milestone A

Next Generation Chemical Detector (NGCD) Increment 2 Survey Detector TEMP

P-8A Poseidon Multi-mission Maritime Aircraft (MMA) Increment 2 and Full-Rate Production (INC 2/FRP) (ACAT 1D TEIN 1652) TEMP

P-8A Poseidon Multi-mission Maritime Aircraft (MMA) Increment 3 (Pre-MDAP-TEIN 1813) TEMP

Patriot TEMP

QF-16 Full Scale Aerial Target, Version 2.2k TEMP

RQ-7BV2 Tactical Unmanned Aircraft System (TUAS) Acquisition Category (ACAT) II (Shadow) TEMP

Small Tactical UAS (STUAS) (RQ-21A Blackjack) TEMP change

Three-Dimensional Expeditionary Long-Range Radar (3DELRR) TEMP

UH-60L Digital Black Hawk Helicopter TEMP

Warfighter Information Network – Tactical (WIN-T) Increment 2 (Inc 2) TEMP

Warfighter Information Network – Tactical (WIN-T) Increment 2 (Inc 2) TEMP Addendum

OPERATIONAL TEST PLANS APPROVED

AC-130J Precision Strike Package Operational Assessment (OA) Test Plan

Advanced Extremely High Frequency (AEHF) Satellite Communications (SATCOM) System Multi-Service Operational Test and Evaluation (MOT&E) Operational Test Agency (OTA) Test Plan

Aegis Baseline 9A Maintenance Demonstration (M-DEMO) OT-C2A1 Data Management and Analysis Plan (DMAP) Defense Enterprise Accounting and Management System (DEAMS) Financial Cyber Readiness Assessment Plan

Aegis Weapon System (AWS) Baseline 9A (BL 9A) Integrated Testing (ITT) on Air Defense Cruiser Data Management and Analysis Plan (DMAP)

Aegis Weapon System (AWS) Baseline 9A (BL9A) Air Defense Cruiser Integrated Test DMAP Change 3

Air Intercept Missile-9X (AIM-9X) Block ii (U) Test Plan Modifications

Amphibious Assault Ship Replacement LHA-R Flight 1 Early OA Test Plan for CNO Project No. 1697

AN/AAQ-24A (V) 25 Department of the Navy Large Aircraft Infrared Countermeasures (DoN LAIRCM) in a Pod Configuration (Guardian Pod) and AN/AAQ-24B (V) 25 DoN LAIRCM Advanced Threat Warning (ATW) Systems Integrated Evaluation Framework (IEF)

AN/PRC-117G Radio Operational Test Plan

AN/SQQ-89A(V)15 Surface Ship Undersea Warfare (USW) Combat System Program IOT&E Test Plan for CNO Project No. 0802-02

AN/TPQ-53 Target Acquisition Radar System Initial Operational Test Plan

Apache AH-64E FOT&E I OTA Test Plan

Automated Identification Biometric System (ABIS) 1.2 Limited User Test (LUT) Plan

B-2 IOT&E Plan Deviation

Ballistic Missile Defense System (BMDS) Integrated Master Test Plan (IMTP) v14.1 and v14.1 Annex

C-5 Reliability Enhancement & Re-Engining Program (RERP) Operational Flight Program (OFP) 3.5 Force Development Evaluation (FDE) Test Plan

CENTCOM AOR 14-1 (SOCCENT) Final Assessment Plan

Command Post of the Future (CPoF) LUT OTA Test Plan

Common Aviation Command and Control System (CAC2S) OA Test Plan

Consolidated Afloat Networks and Enterprise Services (CANES) IOT&E Test Plan

Consolidated Afloat Networks and Enterprise Services (CANES) IOT&E Test Plan Cyber Security Annex

Cooperative Engagement Capability (CEC) DMAP for the Maintainability Demonstration (M-Demo) Phase of OT-D1A

Countermeasure Anti-Torpedo (CAT) and Torpedo Warning System (TWS) Quick Reaction Assessment (QRA) DMAP

Defense Enterprise Accounting and Management System (DEAMS) IOT&E Test Plan

Distributed Common Ground System – Marine Corps (DCGS-MC) IOT&E Plan

DOD Teleport Generation-3, Phase 1 (G3P1) OT&E Plan

DOD Teleport Generation-3, Phase-2 (G3P2) OT&E Plan

E-2D FOT&E Test Plan

Enhanced Combat Helmet (ECH) Lot Acceptance Testing (LAT) Marine Corps Operational Test and Evaluation Activity Observation Plan

EPIC GUARDIAN 14 Information Assurance and Interoperability Assessment Plan

FY14 DOT&E ACTIVITY AND OVERSIGHT

Excalibur Increment 1b IOT&E OTA Test Plan

F/A-18E/F Infrared Search and Track System (IRST) Block I OA Test Plan

F/A-18E/F Infrared Search and Track System (IRST) Block I OA Phase II Test Plan

Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) (Raytheon Variant) OA-1 Plan

Global Combat Support System – Marine Corps (GCCS-MC) Increment 1 FOT&E Test Plan

Global Command and Control System – Maritime (GCCS-M) Group Level v4.1.0.1 IOT&E Plan

Global Command and Control System – Maritime (GCCS-M) Group Level v4.1.0.1 IOT&E Revised Plan

Global Command and Control System – Joint (GCCS-J) Version 4.3 Update 1 OT&E Plan

GLOBAL THUNDER 14 Information Assurance and Interoperability Assessment Plan

Guided Multiple Launch Rocket System (GMLRS) – Alternate Warhead (AW) Integrated Developmental Test/Operational Test (DT/OT) OTA Test Plan

Guided Multiple Launch Rocket System – Alternative Warhead (GMLRS-AW) (IOT&E) OTA Test Plan

H-1 Upgrades Program AH-1Z/UH-1Y System Configuration Set (SCS) 6.0 Verification of Correction of Deficiency (VCD) Execution DMAP

Handheld, Manpack, Small Form Fit – Manpack Radio (HMS-MP) FOT&E OTA Test Plan

III Marine Expeditionary Force Exercise Ulchi Freedom Guardian (UFG) 14 System Assessment Test Plan

Integrated Defensive Electronic Counter (IDECM) Suite Block IV FOT&E Test Plan

Integrated Electronic Health Record (iEHR) Increment 1 Single Sign-on (SSO)/Context Management (CM) OA Plan

Integrated Electronic Health Record (iEHR) Increment 1 Single Sign-On (SSO)/Context Management (CM) Operational Test Plan

Joint Battle Command – Platform (JBC-P) MOT&E OTA Test Plan

Joint High Speed Vessel (JHSV) FOT&E Test Plan approval

Joint High Speed Vessel (JHSV) FOT&E Test Plan Change

Joint Inter Agency Task Force – South (JIATF-S) Final Assessment Plan

Joint Light Tactical Vehicle (JLTV) Development Test/Operational Test (DT/OT) OTA Test Plan

Joint Light Tactical Vehicle (JLTV) LUT Operational Test Agency Test Plan

Joint Warning and Reporting Network (JWARN) FOT&E 4 OTA Test Plan

Joint Warning and Reporting Network (JWARN) Increment 1 Modernization FOT&E 2 Test Plan

Littoral Combat Ship (LCS 3) *FREEDOM*-Variant with Surface (SUW) Mission Package (MP) Increment 2 Information Assurance (IA) Revised IOT&E Test Plan

Littoral Combat Ship (LCS 3) *FREEDOM*-Variant with Surface Warfare (SUW) Mission Package (MP) Increment 2 Information Assurance (IA) IOT&E Test Plan

Littoral Combat Ship (LCS) with Surface Warfare (SUW) Mission Package Increment 2 IOT&E Plan

Littoral Combat Ship (LCS) with Surface Warfare (SUW) Mission Package Increment 2 IT DMAP

MH-60S with the Airborne Laser Mine Detection Systems (ALMDS) and the Airborne Mine Neutralization System (AMNS) Phase B OA Test Plan

MH-60R Multi-mission Helicopter Digital Rocket Launcher (DRL) Advanced Precision Kill Weapon System II (APKWS II) QRA DMAP

MH-60S Digital Rocket Launcher (DRL) QRA DMAP

MH-60S w/ Airborne Mine Neutralization System (AMNS) OA Test Plan

Miniature Air Launched Decoy (MALD) Operational Flight Software (OFS) 8.0 FDE Test Plan

Mk 48 Mod 6 Advanced Common Torpedo (ACOT) and Mk 48 Mod 7 Common Broadband Advanced Sonar System (CBASS) Torpedo Test Plan Addendum for Execution of Fleet ICEX per Test Plan OT-CI Change 2

Mobile Landing Platform (MLP) Core Capability Set (CCS) IOT&E Phase I Test Plan

Nett Warrior IOT&E Test Plan

P-8A Poseidon Multi-Mission Maritime Aircraft (MMA) FOT&E Test Plan

P-8A Poseidon Multi-mission Maritime Aircraft (MMA) OT-C2 FOT&E Test Plan, Change 1

Patriot Advanced Capability -3 (PAC-3) Missile Segment Enhancement (MSE) Live Fire Test (LFT) OTA Test Plan

Precision Guidance Kit (PGK) OTA Operational Test Plan

QF-16 Full Scale Aerial Target (FSAT) IOT&E Plan

Remote Minehunting System (RMS) IT DMAP

Ship to Shore Connector (SSC) OA Test Plan

Small Tactical Unmanned Aircraft System (STUAS) Joint COMOPTEVFOR/MCOTEVA IOT&E Test Plan

Standard Missile-6 (SM-6) OT-D1 FOT&E Test Plan

Surface Electronic Warfare Improvement Program (SEWIP) Block 2 IOT&E Test Plan

Surveillance Towed Array Sensor System/Low Frequency Active (SURTASS CLFA) Test Plan

Tactical Unmanned Aircraft System Tactical Common Data Link (Shadow) FOT&E OTA Test Plan

Tempest Wind 2014 (TW14) Final Assessment Plan (FAP)

Turbo Challenge 2014 Information Assurance and Interoperability Assessment Plan

United States Strategic Command Global Lightning 14 Assessment Plan

Valiant Shield 2014 Cybersecurity and Interoperability Assessment Plan

Warfighter Exercise 14-4 Final Assessment Plan and Addendum

FY14 DOT&E ACTIVITY AND OVERSIGHT

LIVE FIRE TEST AND EVALUATION STRATEGIES/MANAGEMENT PLANS

CVN 78 *Gerald R. Ford* class LFT&E Management Plan

USS *Fort Worth* (LCS 3) Total Ship Survivability Trial (TSST) Plan

Mobile Landing Platform (MLP) LFT&E Management Plan

VXX Alternate LFT&E Strategy

PATRIOT Advanced Capability-3 (PAC-3) Missile Segment Enhancement

(MS) Program, Detailed LFT&E Test Plan for the Penetration

Characterization for 6A1-4V Titanium Fragments

FY14 REPORTS TO CONGRESS	
PROGRAM	DATE
Initial Operational Test and Evaluation Reports	
P-8 Poseidon Multi-Mission Maritime Aircraft (MMA)	October 2013
Joint Battle Command – Platform (JBC-P) with classified annex	November 2013
MH-60R AN/APS-153 Automatic Radar Periscope Detection and Discrimination (ARPDD) Program	April 2014
M982E1 Excalibur Increment 1b with classified appendices	June 2014
Joint High Speed Vessel (JHSV)	July 2014
Multi-static Active Coherent (MAC)	July 2014
Early Fielding Reports	
Massive Ordnance Penetrator (MOP)	October 2013
Joint Tactical Radio System (JTRS) Handheld, Manpack, Small Form Fit (HMS) Manpack Radio	December 2013
Littoral Combat Ship (LCS)	December 2013
Surveillance Towed-Array Sensor System (SURTASS) with the Compact Low-Frequency Active (CLFA) System	February 2014
Surface Ship Torpedo Defense (SSTD)	April 2014
Follow-on Operational Test and Evaluation Reports	
<i>Virginia</i> class Submarine Dry Deck Shelter (DDS)	October 2012
MH-60R/S Helicopters Employing AGM-114 HELLFIRE Missiles with the AN/AAS-44C(V) Multi-Spectral Targeting System (MTS)	April 2014
USS <i>San Antonio</i> LPD-17	June 2014
P-8A Poseidon Increment 1 Multi-Mission Maritime Aircraft	June 2014
Mk 54 Mod 0 Lightweight Hybrid Torpedo with Block Upgrade (BUG) Tactical Software	September 2014
Live Fire Test and Evaluation Reports	
Modernized Expanded Capacity Vehicle – Survivability (MECV-S)	January 2014
Operational Test and Evaluation Reports	
Cobra King (formerly Cobra Judy Replacement (CJR))	July 2014
Operational Assessment Reports	
Nett Warrior at Network Integration Evaluation (NIE) 13.2 with classified annex	November 2013
Special Reports	
Response to the House Armed Services Committee National Defense Authorization Act (HASC NDAA) Tasking on Distributed Common Ground System – Army (DCGS-A)	October 2013
Chief of Naval Operations Report to Congress on the Current Concept of Operations and Expected Survivability Attributes of the Littoral Combat Ship	April 2014
Ballistic Missile Defense Reports	
FY13 Assessment of the Ballistic Missile Defense Systems (includes Classified Appendices A, B, C, D, and E)	February 2014

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OTHER FY14 REPORTS (NOT SENT TO CONGRESS)	
PROGRAM	DATE
Cybersecurity Reports	
Defense Connect Online (DCO) Access and Authentication Vulnerability Assessment	November 2013
U.S. Special Operations Command Exercise EMERALD WARRIOR 2013	February 2014
U.S. Army's Warfighter Exercise 13-4	February 2014
Electronic Security of Special Handling Documents Assessment	April 2014
Host Based Security System (HBSS) Access and Authentication Vulnerability Assessment	April 2014
U.S. Strategic Command Exercise Global Thunder 2014	May 2014
Aegis Shipboard Tactical Data Links Finding Memorandum	June 2014
FY13 Assessment of DOD Information Assurance during Major Combatant Command and Service Exercises	September 2014
U.S. Northern Command Exercise Vigilant Shield 2014	September 2014
U.S. Transportation Command Exercise Turbo Challenge 2014	September 2014
Early Fielding Reports	
Joint Land Attack Cruise Missile Defense (LACMD) Elevated Netted Sensor System (JLENS)	February 2014
Early Operational Assessment Reports	
Ohio Replacement	July 2014
Follow-on Operational Test and Evaluation Reports	
Navy Enterprise Resource Planning (ERP)	October 2013
C-17 Increased Gross Weight (IGW) and Formation Spacing Reduction (FSR)	April 2014
MV-22 OT-IIIJ	June 2014
Force Development Evaluation Reports	
Global Broadcast Service (GBS)	November 2013
Air Force Distributed Common Ground System (AF DCGS)	August 2014
MQ-9 Increment One Unmanned Aircraft System (UAS) Operational Flight Program (OFP) 904.2 Software Upgrade	September 2014
Initial Operational Test and Evaluation Reports	
Integrated Personnel and Pay System – Army (IPPS-A) Increment 1	September 2013
Live Fire Test and Evaluation Reports	
HELLFIRE Romeo Missile Final Lethality Assessment	May 2014
Operational Assessment Reports	
Defense Readiness Reporting System – Strategic (DRRS-S)	October 2013
Defense Enterprise Accounting and Management System (DEAMS)	October 2013
USS <i>Gerald R. Ford</i> (CVN 78) class Aircraft Carrier	December 2013
Remote Minehunting System (RMS)	January 2014
Ground/Air Task Oriented Radar (G/ATOR)	January 2014
Advanced Medium Range Air-to-Air Missile (AMRAAM) Basic Electronic Protection Improvement Program (EPIP)	May 2014
Integrated Electronic Healthcare Record Increment 1 (iEHR) Report	May 2014
Defense Enterprise Accounting and Management System (DEAMS) Release 2 with Classified Appendix B: Cyber Economic Vulnerability Assessment Report	June 2014
Mark XXIIA Mode 5 Joint Operational Test Approach (JOTA) 2	July 2014
AN/PRC-117G with classified annex	September 2014
NA28 Precision Guidance Kit (PGK) Urgent Materiel Release (UMR) Variant Limited User Test (LUT)	September 2014
Operational Test and Evaluation Reports	
Theater Medical Information Program – Joint (TMIP-J)	December 2013
Global Command and Control System – Joint (GCCS-J) Global Release 4.3	March 2014

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OTHER FY14 REPORTS (NOT SENT TO CONGRESS) (CONTINUED)	
PROGRAM	DATE
Special Reports	
Joint Land Attack Netted Sensor (JLENS) Quick Look Assessment	October 2013
Special Operations Forces Mine Resistant Ambush Protected (MRAP) – All Terrain Vehicle Underbody Improvement Kit – Special Operations Command (SOF M-ATV UIK-S) Correction of Deficiencies	November 2013
E-2D Advanced Hawkeye (AHE) Lot 2 Verification of Correction of Deficiencies (VCD)	March 2014
Requirement for Use of a Self-Defense Test Ship (SDTS) for Operational Testing of the DDG 51 Flight III Equipped with the Air and Missile Defense Radar (AMDR)	September 2014
Oversight of Submarine Tactical Systems (Interim Operational Testing Assessment for the Advanced Process Build 2011 (APB-11) Version of the AN/BYG-1(V) Combat Control System (CCS) and the AN/BQQ-10 Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion (A-RCI) Sonar System)	September 2014