

FY18 Activity Summary

DOT&E activity for FY18 involved oversight of 232 programs, including 23 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 removed from the DOT&E oversight list.

Our review of test planning activities for FY18 included approval of 30 Test and Evaluation Master Plans (TEMPs) and 92 Operational Test Plans. DOT&E also disapproved the following Test Plan:

- Distributed Common Ground System – Army (DCGS-A) Capability Drop 1 (CD 1) Limited User Test (LUT)

In FY18, DOT&E prepared 22 reports for Congress and SECDEF: 2 Combined IOT&E/LFT&E Reports; 1 Cybersecurity report, 6 Early Fielding reports, 3 FOT&E reports, 5 IOT&E reports, 3 LFT&E reports, 1 special report, and the Ballistic Missile Defense System Annual Report. Additionally, DOT&E prepared 21 non-Congressional reports for DOD stakeholders: 5 Cybersecurity reports, 3 FOT&E reports, 2 IOT&E reports, 1 LFT&E report, 9 Operational Assessment (OA) reports, and

1 OT&E report. Some of these non-Congressional reports were submitted to Defense Acquisition Board (DAB) principals for consideration in DAB deliberations.

During FY18, DOT&E met with Service operational test agencies, program officials, private sector organizations, and academia; monitored test activities; and provided information to Congress, SECDEF, the Deputy Secretary of Defense, Service Secretaries, USD(A&S), DAB principals, and the DAB committees. DOT&E evaluations are informed in large part through active on-site participation in, and observation of, tests and test-related activities. In FY18, DOT&E's experts joined test-related activities on 227 local trips within the National Capital Region and 918 temporary duty assignment trips in support of 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 (LF STRATEGIES MARKED WITH *)

Advanced Pilot Training (APT) Program TEMP	Indirect Fire Protection Capability (IFPC) Increment 2-I Milestone B TEMP Update*
AN/BQQ-10(V) Sonar System Advanced Processing Build 2015 TEMP Number 908-8/9 Revision F	Integrated Personnel and Pay System - Army (IPPS-A) Increment 2 Post Milestone B TEMP
AN/SQQ-89A(V)15 Surface Ship Undersea Warfare 9 USW Combat System Program TEMP	Joint Air-to-Ground Missile (JAGM) Milestone C TEMP*
Common Infrared Countermeasure System (CIRCM) Milestone C TEMP C-130J Block Upgrade 8.1	Joint Light Tactical Vehicle (JLTV) Annex D to Milestone C TEMP*
DDG 1000 TEMP Revision E	Joint Project Manager Information Systems (JPM-IS) Joint Warning and Reporting Network (JWARN) Increment 2 TEMP
Defense Agency Initiative (DAI) Increment 3 (Inc 3) TEMP	Littoral Combat Ship (LCS) TEMP Number 1695 Revision B
Defense Enterprise and Accounting Management System (DEAMS) Increment 1 TEMP	Lower Tier Air and Missile Defense Sensor (LTAMDS) TEMP
Defense Healthcare Management System Modernization (DHMSM) TEMP v. 2.0	Public Key Infrastructure (PKI) Spiral 4 TEMP Addendum
Department of the Navy Large Aircraft Infrared Countermeasures (DON LAIRCM) Program TEMP Number 1755 Revision B	RQ-21A Blackjack TEMP No. 1719
Dry Combat Submersible (DCS) TEMP Milestone C	Ship Self-Defense System (SSDS) TEMP Revision C
F-15 Eagle Passive/Active Warning and Survivability System (EPAWSS) Milestone B TEMP Version 2.1	Spider Increment 1A (SI1A) Milestone C TEMP Change Memorandum*
F-15C Infrared Search and Track (IRST) TEMP	Stryker Double-V Hull (DVH) A1 Engineering Change Proposal (ECP) TEMP*
Global Positioning System (GPS) Enterprise TEMP - Revision B	Torpedo MK 48 Mod 7 Heavyweight Undersea Weapon Improvements Increment 1 Joint TEMP
Improved Turbine Engine Program (ITEP) TEMP*	UH-1N Replacement TEMP*
	XM17/XM18 Modular Handgun System (MHS) TEMP Amendment*

FY18 DOT&E ACTIVITY AND OVERSIGHT

OPERATIONAL TEST PLANS APPROVED

30 mm Family of Ammunition Live Fire Test and Evaluation (LFT&E) Test Plan (TP)

Abrams Full-Up System-Level (FUSL) Live Fire Detailed Test Plan (DTP)

Abrams System Enhancement Package Version 3, Engineering Change Proposal 1a (SEPV3 ECP1a) LFT&E Operational Test Agency Test Plan (OTA TP)

AC-130J Combat Systems Officer Workstation and Defensive System Upgrade Operational Assessment Test Plan (OATP)

Acoustic Rapid Commercial Off-the-Shelf Insertion (A-RCI) AN/BQQ-10 Sonar System Advanced Processing Build 2015 Follow-on Operational Test and Evaluation (FOT&E) TP

Aegis Weapon System Advanced Capability Build-16 (ACB-16) Initial Operational Test and Evaluation (IOT&E) Cyber Survivability TP

ACB-16 SPY-1A Baseline 9.A2A Build 24 (Phase 0) (Cruiser) Operational Test and Evaluation Plan (OTEP)

Air Operation Center (AOC) 10.1.15 Force Development Evaluation (FDE), Appendix H, Cybersecurity Adversarial Assessment (AA) TP

AOC 10.1.15 FDE and Cooperative Vulnerability and Penetration Assessment (CVPA) TP

Amphibious Combat Vehicle (ACV) OATP

AN/BQQ-10(V) Operator-In-The-Loop Testing Integrated Test Data Collection Plan

Armored Multipurpose Vehicle (AMPV) Ballistic Hull (BH) OTA TP

AMPV CVPA TP

AMPV OTA TP

AMPV System-Level Test Phase 1 Live Fire OTA TP

Army Tactical Missile (ATACMS) System Modification (MOD) CVPA TP

ATACMS MOD OTA TP

ATACMS MOD OTA TP for AA

Autonomic Logistics Information System Software (ALIS) Version 3.0 Operational Cybersecurity Testing

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

BMDS IMTP Version 19.1

BMDS IMTP v19.1 Annex

Bold Quest 17-2 (BQ 17-2) Final Assessment Plan

Bradley Fighting Vehicle (BFV) A4 Engineering Change Proposal (ECP) Live Fire DTP

C-130J BU 8.1 TP

Coastal Battlefield Reconnaissance and Analysis (COBRA) Block I Cybersecurity IOT&E

COBRA Block I IOT&E Plan, Change 1

Command Post Computing Environment (CPCE) CVPA TP

Defense Agencies Initiative (DAI) Increment 2 FOT&E and Cybersecurity Annex

Defense Enterprise Accounting and Management System (DEAMS) Operational Utility Evaluation (OUE) Plan Update

Distributed Common Ground System – Army (DCGS-A) Capability Drop 1 (CD 1) Limited User Test (LUT)

DOD Healthcare Management System Modernization (DHMSM) Operational Cybersecurity TP Annex

Enhanced Polar System (EPS) Cyberspace AA Plan

EPS Multi-Service OTEP

F-35 Joint Strike Fighter (JSF) Pre-IOT&E Cold Weather Deployment Test Planning

F-35 JSF Mission Data Optimization (MDO) TP

F-35 JSF Training Systems Cybersecurity OTP: AA Plan for Operating Environments

Global Command and Control System - Joint (GCCS-J) v6.0.1.0 OTP

Global Positioning System (GPS) Block 0 Integrated Cyber Test Plan

Ground/Air Task Oriented Radar (G/ATOR) Block 1 OTP

G/ATOR Block 2 OATP

HH-60G Distributed Aperture Infrared Countermeasures (DAIRCM) System FDE TP

Integrated Head Protection System (IHPS) Expanded DTP

IHPS Live Fire Testing OTA TP

IHPS Lot Acceptance Test (LAT) TP

Integrated Strategic Planning Analysis (ISPAN) Increment 4 Mission Planning and Analysis (MPAS) OTP

ISPAN Increment 4 OTP

JLF Air T-16-01, V-22 Wing Fire Protection System (FPS) Effectiveness TP

Joint Air-To-Ground Missile (JAGM) LUT OTA TP

JAGM Cybersecurity AA OTA TP

Joint Assault Bridge (JAB) LFT&E OTA TP

Joint Light Tactical Vehicle (JLTV) OTA TP

Joint Operations Planning and Execution System (JOPES) Version (v) 4.2.0.4 Operational Test Cybersecurity TP Annex

Joint Precision Approach and Landing System (JPALS) OATP

Joint Regional Security Stack (JRSS) 1.5 OA Plan

Joint Warning and Reporting Network (JWARN) 2 IOT&E Plan

Key Management Infrastructure (KMI) Capability Increment (CI)-2 FOT&E Cybersecurity Plan

KMI CI-2 FOT&E Plan

Littoral Combat Ship (LCS) *Freedom* Variant with Surface Warfare Mission Package Increment III IOT&E TP

M109 Family of Vehicles Initial Operational Test 2 OTA TP

M109A7 Family of Vehicles (FoV) AA OTA TP

MK 48 Mod 7 Common Broadband Advanced Sonar System Torpedo with Advanced Processor Build 5 Software FOT&E TP

MQ-1C Extended Range Gray Eagle Unmanned Aircraft System (UAS) FOT&E 2 OTA TP

MQ-4C Triton Unmanned Aerial System OTAP (1731-OT-C1)

P-8A Multistatic Active Coherent (MAC) TP

P-8A Poseidon Multi-Mission Maritime Aircraft FOT&E Plan (1813-OT-D4)

Public Key Infrastructure (PKI) Increment 2 Operational Assessment (OA) and FOT&E Plan

FY18 DOT&E ACTIVITY AND OVERSIGHT

RQ-4B Block 30 Multi-Spectral Intelligence OUE Plan
Small Diameter Bomb II (SDB II) Multi-Service Operational Test & Evaluation (MOT&E) Phase 1 TP
Soldier Protection System (SPS) Live Fire Test, Blast Overpressure Testing of the Integrated Head Protection System (IHPS) DTP
SPS Live Fire Test, Torso and Extremity Protection (TEP) Full-Up System-Level (FUSL) Test Deviation
Spider M7E1, Dispensing Set, Munition, Network Command 1A OTA TP
Stryker Double-V Hull (DVH) A1 ECP CVPA TP
Stryker DVH A1 ECP FOT&E OTA TP
Stryker Infantry Carrier Vehicle Dragoon (ICVD) Early User Test (EUT) and Common Remotely Operated Weapon Station - Javelin (CROWS-J) AA OTA TP
Stryker ICVD Updates to Live Fire Test Program
Stryker ICVD 30mm and CROWS-J EUT OTA TP
System Configuration Set H14 for the F/A-18E/F and EA-18G FOT&E Plan
TEIN 1593 MQ-8C Fire Scout UAS Endurance Baseline TP
Teleport G3P3 OT&E Plan
Terminal High-Altitude Area Defense (THAAD) System Cybersecurity Assessment Plan

The Missile Defense Agency (MDA) CVPA TP for the Command and Control, Battle Management, and Communications (C2BMC) Spiral 8.2-3 and the Ballistic Missile Defense System (BMDS) Overhead Persistent Infrared (OPIR) Architecture (BOA) 6.1
TRIDENT II D5 Demonstration and Shakedown Operations - 28 (DASO-28) Flight Test Support Plan for OT&E
TRIDENT II D5 Life Extension (LE) Commander Evaluation Test-1 (CET-1) Flight Test Support Plan for OT&E
UH-60V BLACK HAWK Helicopter CVPA OTA TP
UH-60V BLACK HAWK LUT OTA TP
United States Indo-Pacific Command, Pacific Sentry 2018-3 Final Capstone Event Plan
United States Strategic Command (USSTRATCOM) Global Thunder 2018 (GT18) Capstone Event Plan
Unmanned Influence Sweep System (UISS) Operational Assessment (OT-B1) Test Plan
USS *Iwo Jima* Amphibious Ready Group (ARG) Composite Training Unit Exercise (C2X) Cybersecurity Assessment Plan
USSOUTHCOM Exercise PANAMAX 2018 Assessment Plan
VH-92A OATP
Vigilant Shield 18 Final Capstone Event Plan

FY18 DOT&E ACTIVITY AND OVERSIGHT

TABLE 1. FY18 REPORTS TO CONGRESS	
PROGRAM	DATE
Combined Initial Operational Test and Evaluation and Live Fire Test and Evaluation Report	
Expeditionary Sea Base (T-ESB)	October 2017
M57E1 Army Tactical Missile System (ATACMS) Modification (MOD)	September 2018
Cybersecurity Report	
Defensive Cyberspace Operations: Findings from Department of Defense (DOD) Operational Tests and Assessments in Fiscal Year 2014 through Fiscal Year 2016	October 2017
Early Fielding Reports	
LHA 6 Amphibious Assault Ship	November 2017
Ship Self-Defense of LSD 41/49-Class Ships Equipped with the Ship Self-Defense System MK 2 Mod 5	November 2017
Massive Ordnance Penetrator (MOP)	November 2017
Ground/Air Task Oriented Radar (G/ATOR)	February 2018
Surface Ship Torpedo Defense (SSTD) System: Torpedo Warning System (TWS) and Countermeasure Anti-Torpedo (CAT)	April 2018
Offensive Anti-Surface Warfare (OASuW) Increment 1 Long Range Anti-Ship Missile (LRASM)	September 2018
Follow-on Operational Test and Evaluation Reports	
Advanced Processing Build 2013 (APB-13) Version of the AN/BQQ-10(V) Acoustic Rapid Commercial Off-the-Shelf (A-RCI) Sonar System	June 2018
Standard Missile-6 (SM-6) Block 1	August 2018
P-8A Poseidon Multi-Mission Maritime Aircraft Engineering Change Proposal (ECP) 2	August 2018
Initial Operational Test and Evaluation Report	
PATRIOT PAC-3 - Patriot Advanced Capability 3 Post-Deployment Build 8 (PDB-8)	April 2018
AC-130J	April 2018
Next Generation Diagnostic System Increment 1 (NGDS Inc 1)	May 2018
Paladin Integrated Management (PIM) Family of Vehicles with classified Annex	July 2018
Rolling Airframe Missile (RAM) Block 2	September 2018
Live Fire Test and Evaluation Reports	
Soldier Protection System (SPS) Vital Torso Protection (VTP)	April 2018
Soldier Protection System (SPS) Integrated Head Protection System (IHPS)	May 2018
M109A7 Family of Vehicles	June 2018
Special Report	
Army Tactical Network Modernization Strategy Assessment	April 2018
Ballistic Missile Defense System Report	
FY17 Assessment of the Ballistic Missile Defense System	February 2018

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TABLE 2. OTHER FY18 REPORTS (NOT SENT TO CONGRESS)	
PROGRAM	DATE
Cybersecurity Reports	
Austere Challenge 2017 United States European Command	November 2017
2016 and 2017 Cybersecurity Assessment of U.S. Pacific Command	February 2018
2018 Cybersecurity Assessment of North American Aerospace Defense (NORAD) and U.S. Northern Command (NORTHCOM)	March 2018
2018 Cybersecurity Assessment of U.S. Strategic Command	April 2018
Cybersecurity Assessment for USS <i>Iwo Jima</i> Amphibious Readiness Group (ARG)	June 2018
Follow-On Operational Test and Evaluation Reports	
Warfighter Information Network - Tactical (WIN-T) Increment 2 Network Operations Security Center - Lite, Tactical Communication Node - Lite with classified Annex	November 2017
Public Key Infrastructure (PKI) Increment 2 Spiral 3	December 2017
Navy Multiband Terminal Program (NMT) with classified Annex	January 2018
Initial Operational Test and Evaluation Reports	
Mission Planning Systems (MPS) Increment (Inc) 5 C-17 Joint Mission Planning System (JMPS)	December 2017
Military Healthcare System (MHS) Genesis	April 2018
Live Fire Test and Evaluation Report	
Javelin Spiral 2 Interim LFT&E Report	October 2017
Operational Assessment Reports	
Assault Amphibious Vehicle - Survivability Upgrade (AAV-SU) with classified Annex	October 2017
DOD Healthcare Management System Modernization (DHMSM)	January 2018
Department of Navy Large Aircraft Infrared Countermeasures (DON LAIRCM) Advanced Threat Warner (ATW) MV-22 Installation	February 2018
Joint Regional Security Stack (JRSS)	March 2018
Key Management Infrastructure (KMI) Capability Increment 2, Spiral 2 Spin 3	March 2018
Joint Air-to-Ground Missile (JAGM)	April 2018
Amphibious Combat Vehicle Phase 1 Increment 1 (ACV 1.1) with classified appendices	June 2018
Joint Warning and Reporting Network (JWARN) Increment 2	August 2018
Common Infrared Countermeasures (CIRCM)	September 2018
Operational Test and Evaluation Report	
Air Force Distributed Common Ground System (AF-DCGS)	February 2018

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