

## Activity Summary

DOT&E activity for FY09 involved oversight of 322 programs, including 44 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 FY09 included approval of 50 Test and Evaluation Master Plans (TEMPs) / Test and Evaluation Strategies, as well as 70 Operational Test Plans,

and two Live Fire Test and Evaluation (LFT&E) Strategies for inclusion in the TEMP. In FY09, DOT&E prepared 14 reports for the Secretary of Defense and Congress that included eight Beyond Low-Rate Initial Production Reports, one LFT&E Report, and four Early Fielding Reports.

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

AC-130 Link-16 Tactical Data Network	Future Combat Systems Annex C: Spin Out Early Infantry Brigade Combat Team (E-IBCT) and Annex J: Non-Line-of-Sight Launch System (NLOS-LS)
Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion Sonar System Revision B, Change 1	Future Combat Systems Non-Line-of-Sight Cannon Special Interest Program
Aegis Enterprise	General Fund Enterprise Business System (GFEBs) Change Pages
AGM-88E Advanced Anti-Radiation Guided Missile (AARGM)	General Fund Enterprise Business System (GFEBs)
AN/ALR-69A Radar Warning Receiver	Global Combat Support System – Joint (GCSS-J) Version 7.0.1
Anniston Chemical Agent Disposal Facility, Chemical Demilitarization Program	Global Hawk Revision C
B-2 Extremely High Frequency Satellite Communications and Computer Upgrade Increment 1, Annex	Guided Multiple Launch Rocket System – Alternative Warhead Rocket T&E Strategy
Ballistic Missile Defense System (BMDS) Integrated Master Test Plan	Guided Multiple Launch Rocket System – Unitary Rocket
Battle Control System – Fixed Increment 3, Release 3.1	Joint Air-to-Surface Standoff Missile Extended Range
C-5 Fleet	Joint Biological Agent Identification and Diagnostic System (JBAIDS) Update for the Platinum Path Extraction Kit
C-5 Modernization Program	Joint Mission Planning System – Maritime (JMPS-M) for the P-3C Mission Planning Environment (MPE)
Cartridge 5.56 mm Ball Lead Free Slug M855	Joint Mission Planning System – Maritime (JMPS-M) for the V-22 Mission Planning Environment (MPE), Change One to Annex M
Deliberate and Crisis Action Planning and Execution System (DCAPES) Increment 2a Version 4.1.0.0	Joint Mission Planning System – Maritime (JMPS-M) Revision C, Annex 'O' for the Marine Helicopter (MH) Mission Planning Environment (MPE)
Department of the Navy Large Aircraft Infrared Countermeasures (DoN LAIRCM)	Joint Tactical Radio System (JTRS) Ground Domain, Ground Mobile Radios, Increment 1 Version 1.2
Distributed Common Ground System – Navy, Version 1.0	KC-130J Hercules Aircraft Revision A
EA-18G Growler Revision D	Large Aircraft Infrared Countermeasures (LAIRCM)
EA-6B Improved Capability (ICAP) Block 4 Prowler Aircraft Upgrade, Revision D	Littoral Combat Ship (LCS) Revision 6
F/A-18 System Configuration Set 21X Number S1699, Revision A	M915A5 Tractor Truck Line Haul 6X4
F-15E Radar Modernization Program Milestone B	Mine Resistant Ambush Protected Vehicle, Revision 1
F-22A Increment 3.1	
Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) Increment 1 Version 1.0	

# DOT&E ACTIVITY AND OVERSIGHT

## TEST AND EVALUATION MASTER PLANS / STRATEGIES APPROVED

Multi-functional Information Distribution System Joint Tactical Radio System (MIDS JTRS) for Core (Annex J)  
Multi-functional Information Distribution System Joint Tactical Radio System (MIDS JTRS) Annex K  
Precision Guidance Kit  
Public Key Infrastructure (PKI) Increment 2, Milestone B, Revision 1.5  
Real Time Regional Gateway

STANDARD Missile 6 (SM-6)  
Surveillance Towed Array Sensor System (SURTASS) Compact Low Frequency Active (CLFA)  
TB-33/BQ Towed Array System  
Three Dimensional Expeditionary Long Range Radar  
Warfighter Information Network – Tactical (WIN-T) Increment 2, Version 2.20

## OPERATIONAL TEST PLANS APPROVED

Acoustic Rapid Commercial Off-the-Shelf (COTS) Insertion (A-RCI) Sonar System Phase III and IV Operational Test-IIIE/F Change 3  
AGM-88E Advanced Anti-Radiation Guided Missile (AARGM) Operational Test-C  
Amphibious Docking Ship Class Probability of Raid Annihilation Assessment  
Baseline IV Tactical Tomahawk Weapon System (TTWS) Operational Test-IIIB  
Battle Control System – Fixed (BCS-F) Increment 3, Release 3.1 Force Development Evaluation (FDE)  
Black Hawk UH-60M Upgrade Change 1 Limited User Test  
C-5 Reliability Enhancement and Re-Engineering Program (RERP)  
Consolidated Test Plan of the Operational Test (OT)-IIIG2 Ship Self-Defense System, OT-IIID of the Cooperative Engagement Capability, and OT-D3 of the Evolved SeaSparrow Missile Programs  
CV-22 Joint Mission Planning System (JMPS) Mission Planning Environment (MPE) 1.1.0  
Defense Integrated Military Human Resources System (DIMHRS) Multi-Service Limited User Test (M-LUT)  
Department of the Navy Large Aircraft Infrared Countermeasures (DoN LAIRCM) Installed on USMC CH-53E Assault Support Helicopters (Operational Test-B1)  
Distributed Common Ground System – Army Version 3.1 Limited User Test  
Distributed Common Ground System – Navy (DCGS-N) Operational Test-B1  
Distributed Common Ground System – Navy (DCGS-N) Operational Test-C1  
DoD National Airspace System (NAS) FOT&E  
Enhanced Polar System (EPS) Early Operational Assessment  
Excalibur XM982 Block Ia-2 Precision Engagement Artillery Projectile

Extended Range Multi-Purpose Unmanned Aircraft System Quick Reaction Capability #1 Customer Test  
F-35 Joint Strike Fighter Operational Assessment (Operational Test-IIID)  
FA-18C/D/E/F Aircraft System Configuration Set 21X Software Qualification Test (SQT) (Operational Test-D2)  
Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) Increment 1  
Future Combat Systems Annex C: Spin Out Early Infantry Brigade Combat Team (E-IBCT) Limited User Test  
General Fund Enterprise Business System Release 1.2 Limited User Test  
General Fund Enterprise Business System Release 1.3  
Global Combat Support System – Joint (GCSS-J) Version 7.0.1  
Global Combat Support System for Combatant Command/Joint Task Force (GCSS-CC/JTF) Increment 7  
Global Command and Control System – Joint Global Version 4.2 Release  
Global Command and Control System – Joint Operation Planning and Execution System (JOPES) Version 4.2  
Global Command and Control System – Joint Status of Resources and Training System (SORTS) Version 4.2.0  
Global Command and Control System – Maritime V4.0.3  
Global Positioning System Advanced Control Segment Early Operational Assessment Plan  
HC/MC C-130J Operational Assessment Plan  
Improved Capability (ICAP) II Block 4 Airborne Electronic Attack (AEA) Aircraft  
Joint Air-to-Surface Standoff Missile Extended Range Operational Assessment Plan  
Joint High Speed Vessel (JHSV) Operational Test-B1

# DOT&E ACTIVITY AND OVERSIGHT

Joint Mission Planning System (JMPS) F-16 Mission Planning Environment (MPE) Version M4.3

Joint Mission Planning System – Maritime (JMPS-M) for the Navy Legacy Helicopter Mission Planning Environment Program

Joint Mission Planning System (JMPS) F-15 Version 2.0 Mission Planning Environment (v2.0 MPE) Force Development Evaluation Annex

Joint Mission Planning System (JMPS) RC-135 Mission Planning Environment (MPE) IOT&E

Joint Mission Planning System RC-135 Mission Planning Environment (MPE) IOT&E

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

Joint Tactical Radio System: Handheld, Manpack, and Small Form Fit (JTRS HMS) Phase 1, Small Form Fit (SFF) C Version (V) 1, Rifleman Radio Limited User Test

KC-130J Hercules Aircraft Operational Test-IIID

M915A5 Tractor Truck Line Haul 6X4

Mark XIIA Mode 5 Identification Friend or Foe (IFF) Operational Test-C1

Mine Resistant Ambush Protected Ambulance Limited User Test

Miniature Air Launched Decoy (MALD) IOT&E

Mobile User Objective System (MUOS) Operational Assessment (OT-D1)

Multi-functional Information Distribution System – Low Volume Terminal (MIDS-LVT) Shipboard Integration Operational Test-D-2

MQ-9 Reaper Joint Direct Attack Munition (JDAM) Force Development Evaluation

MV-22 Osprey Operational Test-IIIE FOT&E

Navy Enterprise Resource Planning (Navy ERP) FOT&E Operational Test-DIA Plan

Navy Enterprise Resource Planning (Navy ERP) Operational Test-C2A for Release 1.1

Net-Centric Enterprise Services (NCES) IOT&E

P-8A Operational Assessment

Real Time Regional Gateway

Small Diameter Bomb II (SDB II) Early Operational Assessment

Space-Based Infrared System Highly Elliptical Orbit Operational Utility Evaluation Plan

Spider XM7 Network Command Munition System FOT&E

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

USAF Warfare Center F-22A Mission Data Load Mission Data Optimization

USAF Warfare Center MQ-9 GBU-38 Joint Direct Attack Munition

USMC H-1 Upgrades Program Operational Test-IIIA

Vertical Launch Anti-Submarine (VLA) Rocket Torpedo MD-54 (OT-IIC) Change Transmittal 1

*Virginia* Class Submarine Operational Test-IIIA-1

*Virginia* Class Submarine Operational Test-IIIA-2

*Virginia* Class Submarine Program Rev A Information Assurance Red Team Test Procedures

Vulnerability Lifecycle Management System (VLMS) Spiral 1.5 Operational Utility Evaluation (OUE)

Warfighter Information Network – Tactical (WIN-T) Increment 1a Initial Operational Test

Warfighter Information Network – Tactical (WIN-T) Increment 1b and Increment 2 Limited User Test, Change 1

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## LIVE FIRE TEST AND EVALUATION STRATEGIES AND TEST PLANS

MRAP Family of Vehicles

Medium Tactical Vehicle Replacement

# DOT&E ACTIVITY AND OVERSIGHT

## REPORTS TO CONGRESS FOR FY09

Program	Report Type	Date
Battlespace Command and Control Center (BC3) Air Force Central Command (AFCENT) Increment 1 Testing	OT&E Early Fielding Report	October 2008
MH-60S Block 3A Armed Helicopter Weapon System (AHWS)	Combined OT&E / LFT&E BLRIP Report	October 2008
Surface Electronic Warfare Improvement Program (SEWIP) – Block 1B2	OT&E BLRIP Report	October 2008
Logistics Vehicle System Replacement (LVSr)	LFT&E Report	December 2008
Guided Multiple Launch Rocket System (GMLRS) – Unitary (classified Annex)	Combined OT&E / LFT&E BLRIP Report	December 2008
MQ-9 Unmanned Aircraft System (UAS)	OT&E BLRIP Report	March 2009
Joint Biological Point Detection System (JBPDS)	OT&E BLRIP Report	June 2009
Air Force Mission Planning System (MPS) Increment III (F-16)	OT&E BLRIP Report	July 2009
Battlespace Command and Control Center (BC3) Air Force Central Command (AFCENT) Increment 2 Testing	OT&E Early Fielding Report	September 2009
MC-12W Liberty Project Aircraft (LPA)	OT&E Early Fielding Report	September 2009
Extended Range Multi-Purpose (ERMP) Unmanned Aircraft System Quick Reaction Capability	OT&E Early Fielding Report	September 2009
EA-18G Airborne Electronic Attack (AEA) Aircraft (classified LF Report)	Combined OT&E / LFT&E BLRIP Report	September 2009
B-2 Radar Modernization Program (RMP) Mode Set One (MS 1)	OT&E BLRIP Report	September 2009

During FY09, 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 781 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.