

## Program Oversight

Per section 139, title 10, United States Code, DOT&E is the principal adviser to the Secretary of Defense and the Under Secretaries of Defense for Acquisition and Sustainment, and Research and Engineering. The Director is responsible for monitoring and reviewing all operational and live fire test and evaluation activities of the DOD. DOT&E selects a program for operational and/or live fire test and evaluation oversight if it meets one or more of the following criteria:

- Program exceeds or has the potential to exceed the dollar value threshold for a major program, to include Major Defense Acquisition Programs (MDAPs), designated major

subprograms, as well as highly classified programs and pre-MDAPs.

- Program has a high level of Congressional or DOD interest.
- Weapons, equipment, or munitions that provide or enable a critical mission warfighting capability or is a militarily significant change to a weapon system.

In FY20, using these criteria, DOT&E monitored 228 acquisition programs for operational test and evaluation and 83 acquisition programs for live fire test and evaluation.

### DOD PROGRAMS

5th Generation Aerial Target  
 AC-130J  
 BMDS - Ballistic Missile Defense System Program  
 Defense Agencies Initiative (DAI)  
 Defense Enterprise Accounting and Management System - Increment 1 (DEAMS - Inc. 1)  
 Defense Enterprise Office Solution (DEOS)  
 Defense Medical Information Exchange (DMIX)  
 Defense Security Assistance Management System (DSAMS) - Block 3  
 Digital Modernization Infrastructure (DMI)  
 DoD Healthcare Management System Modernization (DHMSM)  
 Global Command & Control System - Joint (GCCS-J)

Joint Light Tactical Vehicle Family of Vehicles  
 Joint Operational Medicine Information Systems  
 Joint Regional Security Stack (JRSS)  
 Key Management Infrastructure (KMI)  
 Long-Range Discrimination Radar  
 milCloud  
 Public Key Infrastructure (PKI) Inc. 2  
 SOCOM Dry Combat Submersible Medium (DCSM)  
 Teleport, Generation III  
 Theater Medical Information Program - Joint (TMIP-J) Block 2

### ARMY PROGRAMS

120MM Advanced Multi-Purpose (AMP), XM1147  
 3rd Generation Improved Forward Looking Infrared (3rd Gen FLIR)  
 Abrams M1A1 SA; M1A2 SEP; APS  
 Advanced Field Artillery Tactical Data System (AFATDS) Version 7  
 Advanced Threat Detection System  
 Aerosol and Vapor Chemical Agent Detector  
 AH-64E Apache Remanufacture/New Build  
 AN/TPQ-53 Radar System (Q-53)  
 Armored Multipurpose Vehicle (AMPV)  
 Armored Truck - Heavy Equipment Transporter (HET)  
 Army Contract Writing System  
 Army Integrated Air & Missile Defense (AIAMD)  
 Assured - Positioning, Navigation, & Timing (Assured - PNT)  
 Biometrics Enabling Capability (BEC) Increment 1  
 Biometrics Enabling Capability Increment 0

Black Hawk (UH-60M) - Utility Helicopter Program  
 Bradley ECP; MOD; APS  
 Cannon Delivered Area Effects Munitions (C-DAEM) Family of Munitions  
 CH-47F Block II Chinook  
 Command Post Computing Environment (CPCE), to include the Tactical Server Infrastructure (TSI) and supporting functions hosted on the TSI  
 Common Infrared Countermeasures (CIRCM)  
 Distributed Common Ground System - Army (DCGS-A)  
 Electronic Warfare Planning and Management Tool (EWPMT)  
 EXCALIBUR - Family of Precision, 155 mm Projectiles  
 Extended Range Cannon Artillery (ERCA)  
 Family of Medium Tactical Vehicles A2 (FMTV A2)  
 Future Vertical Lift (FVL) Future Unmanned Aircraft System (FUAS)  
 Future Vertical Lift (FVL) Future Long Range Assault Aircraft (FLRAA)  
 Global Combat Support System Army (GCSS-A)

# FY20 DOT&E ACTIVITY AND OVERSIGHT

Ground Mobility Vehicle 1.1 (GMV 1.1)  
Guided Multiple Launch Rocket System Family of Munitions Including Alternative Warhead (AW); Unitary; Extended Range (ER)  
Handheld, Man pack, and Small Form Fit (including Handheld and Manpack components)  
Heavy Dump Truck  
HELLFIRE  
High Mobility Artillery Rocket System (HIMARS)  
Identification Friend or Foe Mark XIIA Mode 5 (all development and integration programs)  
Improved High Explosive Dual Purpose 40mm Cartridge  
Improved Turbine Engine Program (ITEP)  
Indirect Fire Protection Capability Increment 2 - Intercept (IFPC Inc 2-I)  
Integrated Personnel and Pay System - Army (IPPS-A) Increment 2  
Integrated Tactical Network (ITN)  
Integrated Visual Augmentation System (IVAS)  
Javelin Antitank Missile System - Medium  
Joint Air-to-Ground Missile (JAGM)  
Joint Assault Bridge (JAB)  
Joint Battle Command Platform (JBC-P)  
Joint Biological Tactical Detection System  
Limited Interim Missile Warning System  
Logistics Modernization Program (LMP)  
Lower Tier Air and Missile Defense Sensor  
M270A1 Multiple Launch Rocket System (MLRS)  
M88 series of heavy recovery vehicles (Hercules)  
Maneuver-Short Range Air Defense  
Mobile / Handheld Computing Environment (M/HCE)  
Mobile Protected Firepower Increment 1 (MPF Inc 1)  
Mounted Computing Environment (MCE) to include hardware, software, network and transport components  
Multi-Function Electronic Warfare (MFEW) Air Large  
Near Real Time Identity Operations  
Nett Warrior  
Next Generation Combat Vehicle (NGCV) Optionally Manned Fighting Vehicle (OMFV)  
Next Generation Squad Weapons (NGSW)  
Paladin/FASSV Integrated Management (PIM)  
PATRIOT PAC-3 - Patriot Advanced Capability 3  
Precision Guidance Kit Family of Fuzes  
Precision Strike Missile (PrSM)  
RQ-7B SHADOW - Tactical Unmanned Aircraft System  
Soldier Protection System  
Stryker Family of Vehicles to include all variants (including NBCRV)  
Terrain Shaping Obstacles (TSO)  
UH-60V Black Hawk  
XM1158 7.62 mm Cartridge

---

## NAVY PROGRAMS

Acoustic Rapid COTS Insertion for SONAR  
Advanced Airborne Sensor  
Advanced Arresting Gear  
AEGIS Modernization (Baseline Upgrades)  
AGM-88G Advanced Anti-Radiation Guided Missile Extended Range  
AIM-9X - Air-to-Air Missile Upgrade Block II  
Air and Missile Defense Radar (AMDR) / AN/SPY-6  
Air Warfare Ship Self Defense Enterprise  
Amphibious Combat Vehicle (ACV) Family of Vehicles (FoV)  
AN/AQS-20X Minehunting Sonar and Tow Vehicle (all variants)  
AN/SQQ-89A(V) Integrated USW Combat Systems Suite  
Assault Breaching System Coastal Battlefield Reconnaissance and Analysis System (all variants)  
Barracuda Mine Neutralization System  
Consolidated Afloat Networks and Enterprise Services (CANES)  
Carrier Based Unmanned Air System  
CH-53K - Heavy Lift Replacement Program  
CMV-22 Joint Services Advanced Vertical Lift Aircraft - Osprey – Carrier Onboard Delivery (COD)  
Columbia Class SSBN - including all supporting PARMs  
Cooperative Engagement Capability (CEC)  
CVN-78 - *Gerald R. Ford* Class Nuclear Aircraft Carrier  
DDG 1000 - *Zumwalt* Class Destroyer and associated PARMs  
DDG 51 Flight III and associated PARMs  
Distributed Aperture Infrared Countermeasure (DAIRCM) System  
Distributed Common Ground System - Navy (DCGS-N)  
E-2D Advanced Hawkeye  
Electro-Magnetic Aircraft Launching System  
Enterprise Air Surveillance Radar  
Evolved Sea Sparrow Missile Block 2  
F/A-18E/F - SUPER HORNET Naval Strike Fighter  
FFG(X) - Guided Missile Frigate  
Ground/Air Task Oriented Radar (G/ATOR)  
Identification Friend or Foe Mark XIIA Mode 5 (all development and integration programs)  
Infrared Search and Track System  
LHA 6 Flt 0 and associated PARMs  
LHA 6 Flt I and associated PARMs  
Light Armored Vehicle

# FY20 DOT&E ACTIVITY AND OVERSIGHT

Littoral Combat Ship (LCS) Anti-Submarine Warfare (ASW) Mission Package to include all associated vehicles, communications, sensors, weapon systems, support equipment, software, & support aircraft that are in development

Littoral Combat Ship (LCS) Mine-Countermeasures (MCM) Mission Package to include all associated vehicles, communications, sensors, weapon systems, support equipment, software, and support aircraft that are in development

Littoral Combat Ship (LCS), *Freedom* and *Independence* Variant Seaframes

Littoral Combat Ship (LCS) Surface Warfare (SUW) Mission Package to include all associated vehicles, communications, sensors, weapon systems, support equipment, software, & support aircraft in development, 30mm, SSMM/Longbow HELLFIRE/ammunition lethality

LPD 17 Flt II

MK 54 torpedo/MK - 54 VLA/MK 54 Upgrades Including High Altitude ASW Weapon Capability (HAAWC)

MK-48 CBASS Torpedo including all upgrades

Mobile Advanced Extremely High Frequency Terminal

Mobile User Objective System (MUOS)

MQ-4C Triton

MQ-8 Fire Scout Unmanned Aircraft System

Multi-Functional Information Distribution System (includes integration into USAF & USN aircraft)

Multi-static Active Coherent (MAC) System

MV-22 Joint Services Advanced Vertical Lift Aircraft - Osprey

Naval Integrated Fire Control - Counter Air (NIFC-CA) From the Air

Navy Expendable Airborne Electronic Attack (EA2)

Navy Maritime Maintenance Enterprise Solution - Technical Refresh

Navy Personnel and Pay System

Next Generation Jammer - Increment 1 (Mid-Band)

Next Generation Jammer - Increment 2 (Low Band)

Offensive Anti-Surface Warfare Increment 1 Long Range Anti-Ship Missile

Offensive Anti-Surface Warfare, Increment 2 (Air and Surface Launch)

Over The Horizon Weapon System

Rolling Airframe Missile Block 2 Program

RQ-21A Unmanned Aircraft System (UAS)

Ship Self Defense System (SSDS)

Ship to Shore Connector

Standard Missile 2 (SM-2) including all mods

Standard Missile-6 (SM-6)

Submarine Torpedo Defense System (Sub TDS) including Next Generation Countermeasure System (NGCM)

Surface Electronic Warfare Improvement Program Block 2

Surface Electronic Warfare Improvement Program Block 3

Surface Mine Countermeasures Unmanned Undersea Vehicle (also called Knifefish UUV) (SMCM UUV)

Tactical Tomahawk Modernization and Enhanced Tactical Tomahawk (Maritime Strike) (includes changes to planning and weapon control system)

T-AO 205 Oiler

TRIDENT II MISSILE - Sea Launched Ballistic Missile

Unmanned Influence Sweep System (UISS) include Unmanned Surface Vessel (USV) and Unmanned Surface Sweep System (US3)

VH-92A Presidential Helicopter

*Virginia* Class SSN (all variants)

## AIR FORCE PROGRAMS

Advanced Pilot Trainer

Advanced Extremely High Frequency (AEHF) Satellite Program

AIM-120 Advanced Medium-Range Air-to-Air Missile

Air Force Integrated Personnel and Pay System (AF-IPPS)

Air Force Maintenance, Repair and Overhaul Initiative (MROi)

Air Operations Center - Weapon System (AOC-WS)

Air-Launched Rapid Response Weapon

B-2 Defensive Management System Modernization (DMS-M)

B-21 Long Range Strike Bomber

B-52 Commercial Engine Replacement Program (CERP)

B-52 Radar Modernization Program (RMP)

B61 Mod 12 Life Extension Program Tail Kit Assembly

C-130J - HERCULES Cargo Aircraft Program

Deliberate and Crisis Action Planning and Execution Segments (DCAPES) Inc. 2B

Enhanced Polar System Recapitalization (EPS-R)

Evolved Strategic Satellite Communications

F-15 Eagle Passive Active Warning Survivability System

F-15C Infrared Search and Track (IRST)

F-15EX

F-16 Radar Modernization Program

F-22 - RAPTOR Advanced Tactical Fighter

F-35 - Lightning II Joint Strike Fighter (JSF) Program

Family of beyond Line-of-Sight Terminals (FAB-T)

Geosynchronous Space Situational Awareness Program

Global Positioning System (GPS) Enterprise Oversight

Global Positioning System (GPS) III Space Vehicle

Global Positioning System (GPS) Next Generation Operational Control System

Ground Based Strategic Deterrent

HH-60W Jolly Green II

Hypersonic Conventional Strike Weapon

Identification Friend or Foe Mark XIIIA Mode 5 (all development and integration programs)

Integrated Strategic Planning and Analysis Network (ISPAN) Increment 4

Integrated Strategic Planning and Analysis Network Increment 5

# FY20 DOT&E ACTIVITY AND OVERSIGHT

Joint Air-to-Surface Standoff Missile Electronic Safe Arm and Fuze

Joint Cyber Warfighting Architecture – Joint Cyber Command and Control

Joint Cyber Warfighting Architecture – Unified Platform

Joint Space Operations Center Mission System (JMS)

KC-46 - Tanker Replacement Program

Long Range Stand Off (LRSO) Cruise Missile

Massive Ordnance Penetrator (MOP)

MH-139A Grey Wolf

Military Global Positioning System (GPS) User Equipment

Military Personnel Data System

Mission Partner Environment (MPE)

Next Generation Overhead Persistent Infrared

Nuclear Planning and Execution System

Presidential National Voice Conferencing

Protected Tactical Enterprise Service

Protected Tactical Satellite Communications (SATCOM)

RQ-4 Global Hawk Unmanned Aircraft System Multi-Spectrum-177 Sensor

Space-Based Infrared System Program (SBIRS)

Space-Based Infrared System (SBIRS) Survivable and Endurable Evolution (S2E2)

Space Fence (SF)

Small Diameter Bomb Increment II

Space Command and Control System

Stand In Attack Weapon (SiAW)

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

United States Air Force Survivable Airborne Operations Center

VC-25B Presidential Aircraft

Weather Satellite Follow-on (WSF)

Wide Area Surveillance (WAS)