



Central Test and Evaluation Investment Program Resource Enhancement Projects

updated: March 2012



25K Transportable Target Launcher (25K TTL)

Army Lead

The 25K TTL project will provide the Army with a 25,000lb capacity transportable target launcher to test the PATRIOT Advanced Capability (PAC-3) and other theater antiballistic missile weapons against multiple, simultaneous target engagements. 25K TTL will support the PAC-3 Limited User Test (LUT) scheduled for FY2011.

Battle Command Network Integration and Simulation (BCNIS)

Army Lead

The BCNIS project will provide the Army with a voice and message traffic network simulation and stimulation tool to simulate battlefield network loading using both Joint Tactical Radio System (JTRS)-enabled Ground Mobile Radios (GMRs) and legacy radios. BCNIS will support the JTRS GMR Multi-Service Operational Test and Evaluation (MOT&E) in FY2013.

Digital Remote Vector Equipment (DRIVE)

Navy Lead

The DRIVE project provides the Navy with the capability to remotely navigate the Navy Self Defense Test Ship (SDTS). This capability enables testers to simulate realistic engagements and to conduct live-fire test and evaluation of shipboard self-defense system sensors and weapons systems against real-world threats. DRIVE supported the Littoral Combat Ship (LCS) operational testing (OT) in FY2010.

Distributed Timing Instrumentation Environment (DTIE)

JITC Lead

The DTIE project will provide a distributed network capability to capture specific database update events, to accurately evaluate key performance parameters (KPPs) relating to critical timing issues, and provide scenario generation, data collection, and data reduction capability. DTIE will support Follow-On Testing and Evaluation (FOT&E) of Global Command and Control Systems-Joint (GCCS-J) in 4Q FY2012.

Geometric Automated Enhanced Location System (GAVELS) Night Vision Capability (GAVELS NVC)

Army Lead

The GAVELS NVC project will provide high-speed cameras, night vision cameras, and a calibration facility to upgrade the existing GAVELS system's ability to witness fuzing and point detonation events for systems under test. GAVELS will support operational testing and evaluation (OT&E) of Excalibur Block 1B in February 2012.

Ground Mounted Seeker Simulation (GMSS)

Navy Lead

The GMSS project will develop an open air missile simulation for the threat missiles associated with the radar of existing open air surface-to-air missile (SAM) and radar simulators, to include a facility and capability compatible with the existing Missile-on-a-Mountain (MOM) test facility. GMSS will support operational testing (OT) of Integrated Defensive Electronic Countermeasures (IDECM) Block IV in FY2013.



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Lightweight Alternative Power Source (LAPS)

Army Lead

The LAPS project will adapt smaller, lighter-weight fuel cells for extended operation of test instrumentation on ground vehicles during testing. LAPS will support Initial Operational Testing (IOT) of the Early Infantry Brigade Combat Team (E-IBCT) in 4Q FY2011.

MILSATCOM Atmospheric Scintillation Simulator (MASS)

Air Force Lead

The MASS project will provide a simulated trans-nuclear atmospheric scintillation effect applied at the intermediate frequency for Advanced Extremely High Frequency (AEHF) satellite system uplink and downlink messages. MASS will support the AEHF Multi-Service Operational Test and Evaluation (MOT&E), scheduled to start in 2Q FY2013.

Multi-Spectral Sea and Land Target Simulator (MSALTS)

Navy Lead

The MSALTS project will provide the Navy with a portable open-air plume simulator to test IR countermeasures systems against land- and sea-based threats. The Center for Countermeasures (CCM) will execute the project on behalf of the Navy and will operate and maintain MSALTS assets once the project is completed. MSALTS will support the Joint Allied Threat Awareness System Initial Operational Test and Evaluation (IOT&E) in FY2014.

Net-Ready Operational Test and Evaluation Support (NOTES)

Air Force Lead

The NOTES project provides the Air Force Flight Test Center (AFFTC), Edwards AFB, CA with the ability to conduct functional and information assurance (IA) testing of Mode Select (Mode S)-equipped aircraft. This project will support the C-130 Avionics Modernization Program (AMP) operational testing (OT) in 3Q FY2011.

Net-Centric Test Agent Capability (NTAC)

JITC Lead

The NTAC project provides testers with the ability to deploy software agents to monitor, observe, and measure how well Net-Centric Enterprise Services (NCES) core services support operational mission threads in critical applications.

Operational Command and Control Instrumentation Systems (OC2IS)

Air Force Lead

The OC2IS project will provide the Air Force with an automated test tool to assess the National Capital Region (NCR) Integrated Air Defense System (IADS) data integrity, timeliness, and mission support. This capability will ensure that the NCR IADS provides positive command and control over ground-based air defense systems. The OC2IS capability will support the NCR IADS Force Development Exercise (FDE) in FY2012.



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Precision Target Signatures (PTS)

Army Lead

The PTS project will provide test ranges with validated decoys/surrogates that emulate the visual and magnetic signatures of the T-72 Main Battle Tank, the BMP-2 Infantry Fighting Vehicle, and the BTR-80 Armored Personnel Carrier. PTS will support the Early Infantry Brigade Combat Team (E-IBCT) Initial Operational Test (IOT) in FY2011.

J-31 Radar Missile Gun System (RMGS)

Navy Lead

The RMGS project will provide an advanced mobile surface-to-air missile (SAM) simulator with associated range interfaces and missile fly-out models based on the J-31 RMGS asset at Naval Air Warfare Center Weapons Division – China Lake. RMGS will support operational testing (OT) of Integrated Defensive Electronic Countermeasures (IDECM) Block IV in FY2013.

Submarine Launched Countermeasure Emulator (SLACE)

Navy Lead

The SLACE project will provide a flexible, submarine-launched mobile countermeasure emulator capable of emulating a widely proliferated submarine launched mobile countermeasure to support torpedo mobile countermeasure testing. SLACE will support the operational testing (OT) of the Common Broadband Acoustic Sonar System (CBASS) Spiral IV Torpedo, currently planned for FY2012.

Tactical End-to-End Closed Loop Simulator (TECLS)

Navy Lead

The TECLS project provides test ranges with the capability to evaluate the effectiveness of the Joint Allied Threat Awareness System (JATAS) against Man-Portable Air Defense Systems (MANPADS). The TECLS capability will support the JATAS initial operational test and evaluation (IOT&E) in 3Q FY2013.

Threat Model Analysis Program to Support Operational Test and Evaluation (TMAP OT&E)

Air Force Lead

The TMAP project will provide test ranges with a set of validated threat models that represent the most current adversary threats. TMAP will support the full operational test and evaluation (OT&E) of the F-22A Air Combat Simulator (ACS). TMAP OT&E will support the F-22A FOT&E in FY2012.

Infantry Automatic Rifle Unit Fire Hit Discriminator (UFHD)

Marine Corps Lead

The UFHD project developed a suite of instrumentation to provide a capability to discriminate Infantry Automatic Rifle (IAR) hits and near-misses on targets from those of other members of the Marine Fire Team. The IAR-equipped Automatic Rifleman is an integral Infantry Fire Team member capable of maintaining the tempo of movement by suppressing or destroying immediate threats as the platoon closes with the enemy.

Volumetric Influence Processor (VIP)

Navy Lead



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The VIP project will provide the Navy with the capability to evaluate surface ship and submarine susceptibility to underwater electric potential (UEP)-influence-equipped threat mine systems. VIP will support operational testing (OT) of the Virginia Class Submarine in 2Q FY2011.