

IMPORTANCE OF TESTING TACTICAL COMMUNICATION SYSTEMS

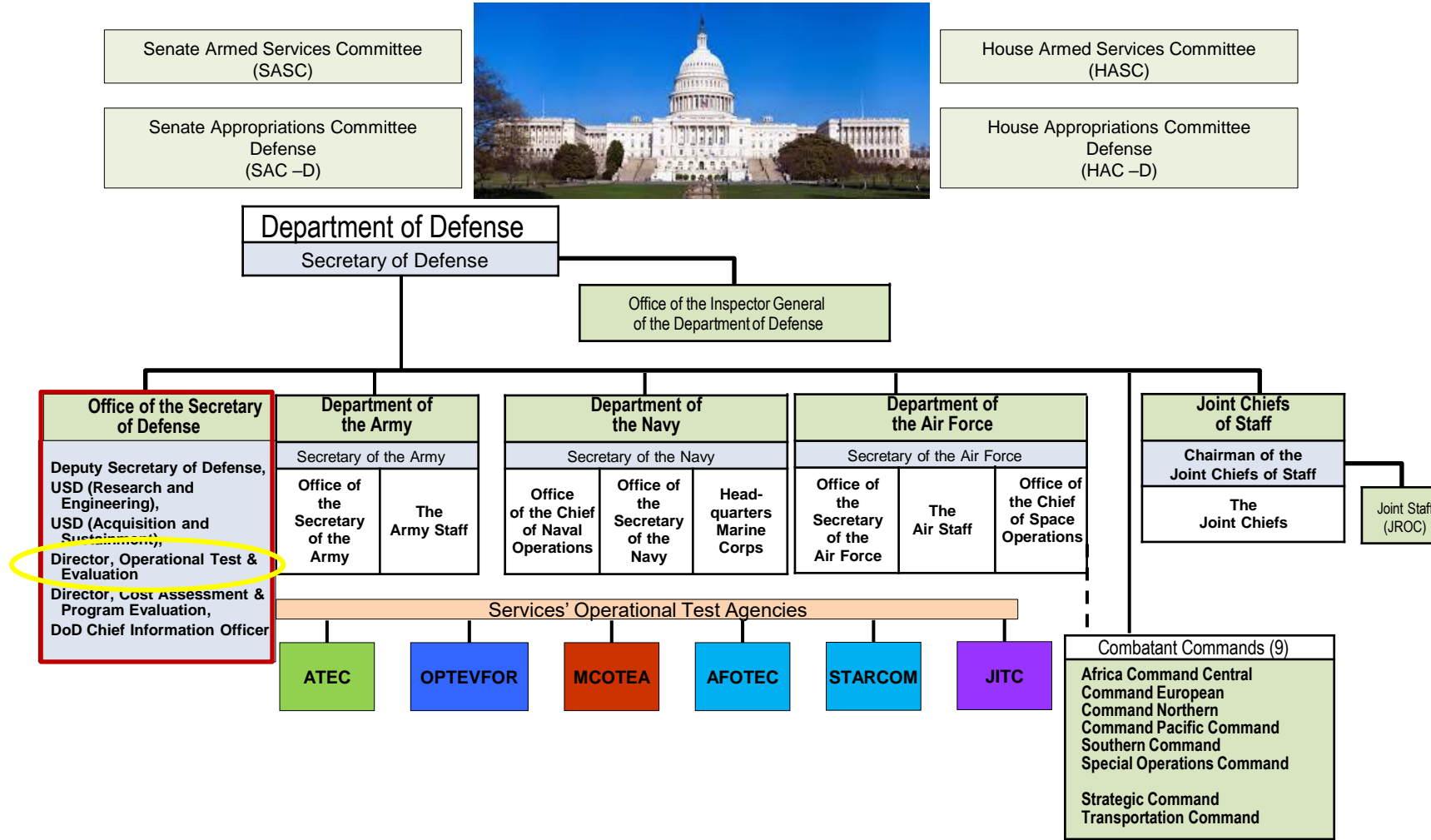
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U.S. Department of Defense Organization



Acronyms in slide: SASC – Senate Armed Services Committee; SAC-D – Senate Appropriations Committee Defense; HASC – House Armed Services Committee; HAC-D – House Appropriations Committee Defense; USD – Under Secretary of Defense; JROC – Joint Requirements Oversight Council; ATEC – Army Test and Evaluation Command; OPTEVFOR – Operational Test and Evaluation Force; MCOTEA – Marine Corps Operational Test and Evaluation Activity; AFOTEC – Air Force Operational Test and Evaluation Center

What is the Director Operational Test & Evaluation?



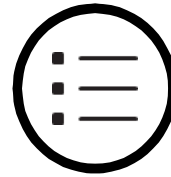
**Policy and
Guidance**



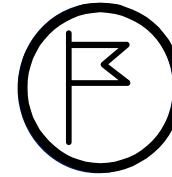
Oversight



Reporting



**Congressional
Tasking and
Management**



**Strategic
Initiatives**





OPERATIONAL TEST AND EVALUATION

*Evaluate Operational Effectiveness and Suitability to Defend
the Homeland and Prevail in Conflict*

Understanding Command and Control Systems



Importance of Testing C2 Systems

How do we ensure soldiers have timely, accurate and actionable information about the survivability of their command and control systems?



How do we ensure lessons learned by our soldiers in the heat of combat are translated into meaningful insights for T&E?



How do we test tactical communications systems?



Is the system simple and intuitive to use?

How well do communications systems perform in operationally realistic scenarios?

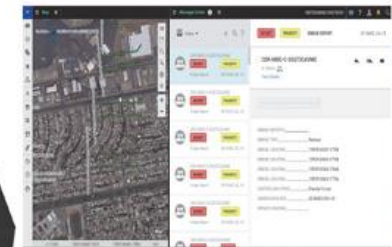
Can they reliably detect and respond to threats and non-threats?



Are we adequately testing this system?

Can this system operate within the broader tactical network?

Recent testing examples



DOT&E is taking steps to address T&E challenges



DoD INSTRUCTION 5000.XF

OPERATIONAL TEST AND EVALUATION AND AND EVALUATION

Originating Component: Office of the Director of Operational Test and Evaluation

Effective: Month Day, Year

Releasability: Cleared for public release. Available on the Directives Division Website at <https://www.esd.whs.mil/DD/>.

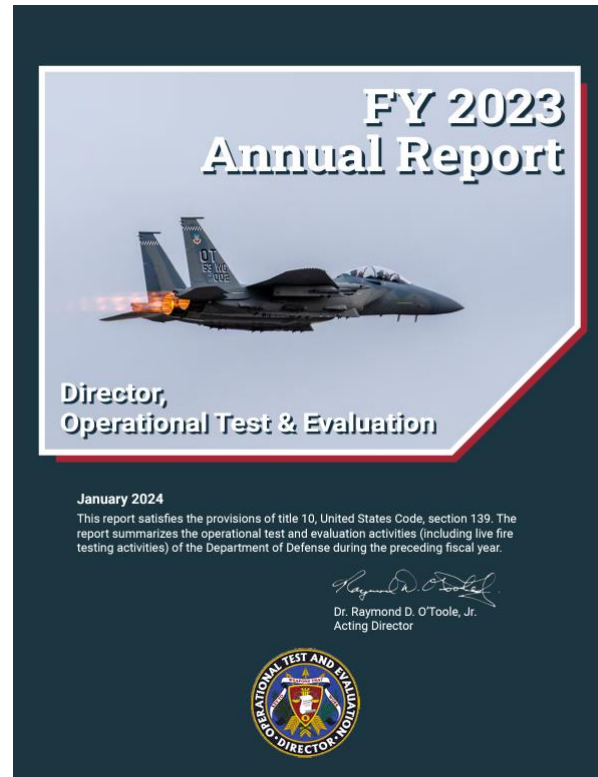
Approved by: Nicholas H. Guertin, Director of Operational Test and Evaluation

Purpose: In accordance with the authority in DoD Directive (DoDD) 5141.02, this issuance establishes policy, assigns responsibilities, and prescribes procedures for operational test and evaluation (OT&E) and live fire test and evaluation (LFT&E) of DoD systems and services (referred to in this issuance as "DoD systems") acquired via the Defense Acquisition System.

<p>DoD MANUAL REALISTIC FULL SPECTRUM</p> <p>Originating Component: Office of the Director, Operational Test and Evaluation</p> <p>Effective: Month Day, Year</p> <p>Releasability: Cleared for public release. Available on the Directives Division Website at https://www.esd.whs.mil/DD/.</p> <p>Approved by: Nicholas H. Guertin, Director of Operational Test and Evaluation</p>	<p>DoD MANUAL MODELING AND SIMULATION AND ACCREDITATION FOR EVALUATION AND LIVE FIRE</p> <p>Originating Component: Office of the Director, Operational Test and Evaluation</p> <p>Effective: Month Day, Year</p> <p>Releasability: Cleared for public release. Available on the Directives Division Website at https://www.esd.whs.mil/DD/.</p> <p>Approved by: Nicholas H. Guertin, Director of Operational Test and Evaluation</p>	<p>DoD MANUAL TEST AND EVALUATION TEST AND EVALUATION</p> <p>Originating Component: Office of the Director, Operational Test and Evaluation</p> <p>Effective: Month Day, Year</p> <p>Releasability: Cleared for public release. Available on the Directives Division Website at https://www.esd.whs.mil/DD/.</p> <p>Approved by: Nicholas H. Guertin, Director of Operational Test and Evaluation</p>	<p>DoD MANUAL OPERATIONAL TEST AND TEST AND EVALUATION ENABLED AND AUT</p> <p>Originating Component: Office of the Director, Operational Test and Evaluation</p> <p>Effective: Month Day, Year</p> <p>Releasability: Cleared for public release. Available on the Directives Division Website at https://www.esd.whs.mil/DD/.</p> <p>Approved by: Nicholas H. Guertin, Director of Operational Test and Evaluation</p>	<p>DoD MANUAL 5000.96 OPERATIONAL AND LIVE FIRE TEST AND EVALUATION OF SOFTWARE</p> <p>Originating Component: Office of the Director, Operational Test and Evaluation</p> <p>Effective: Month Day, Year</p> <p>Releasability: Cleared for public release. Available on the Directives Division Website at https://www.esd.whs.mil/DD/.</p> <p>Approved by: Nicholas H. Guertin, Director of Operational Test and Evaluation</p>
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Shifted focus of Joint Live Fire Program to develop M&S tools to support Multi-Domain Operations and Full-Spectrum Survivability



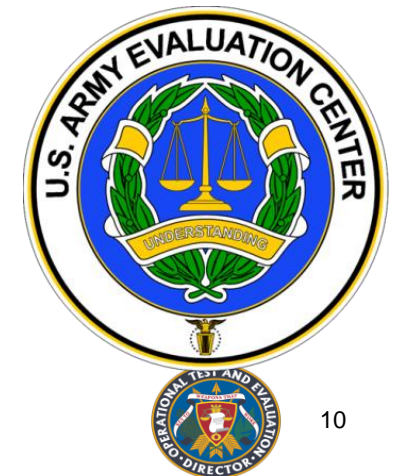
Published the 2023 Annual Report

Updated T&E Policy/Guidance

Acronyms: FSL-Full spectrum lethality; FSS-Full spectrum survivability; JTCG/ME Joint Technical Coordination Group for Munitions Effectiveness; M&S-modeling and simulation; MDO-multi-domain operations



Future testing & Partnerships





Questions & Answers

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See www.dote.osd.mil