

Strength through Cooperation

DOT&E and the International Test and Evaluation Program (ITEP)



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Secretary Austin's Priorities

DEFEND THE NATION

- Prioritize China as the Pacing Challenge
- Address Advanced, Persistent Threats
- Innovate and Modernize the Department of Defense (DOD)
- Tackle the Climate Crisis

TAKE CARE OF OUR PEOPLE

- DOD will Grow its Talent
- Build Resilience and Readiness
- Ensure Accountable Leadership

SUCCEED THROUGH TEAMWORK

- Join Forces with our Allies and Partners
- Work in Partnership with Our Nation
- Build Unity Within DOD



2022 National Defense Strategy

- Continued focus on Strategic Competition
- Defense Priorities:
 1. Defending the homeland
 2. Deterring strategic attacks against the United States, Allies, and partners.
 3. Deterring aggression
 4. Building a resilient Joint Force and defense ecosystem.
- Three Lines of Effort:
 - Integrated Deterrence
 - Campaigning
 - Building Enduring Advantages
- “Mutually beneficial Alliances and Partnerships are an enduring strength.”



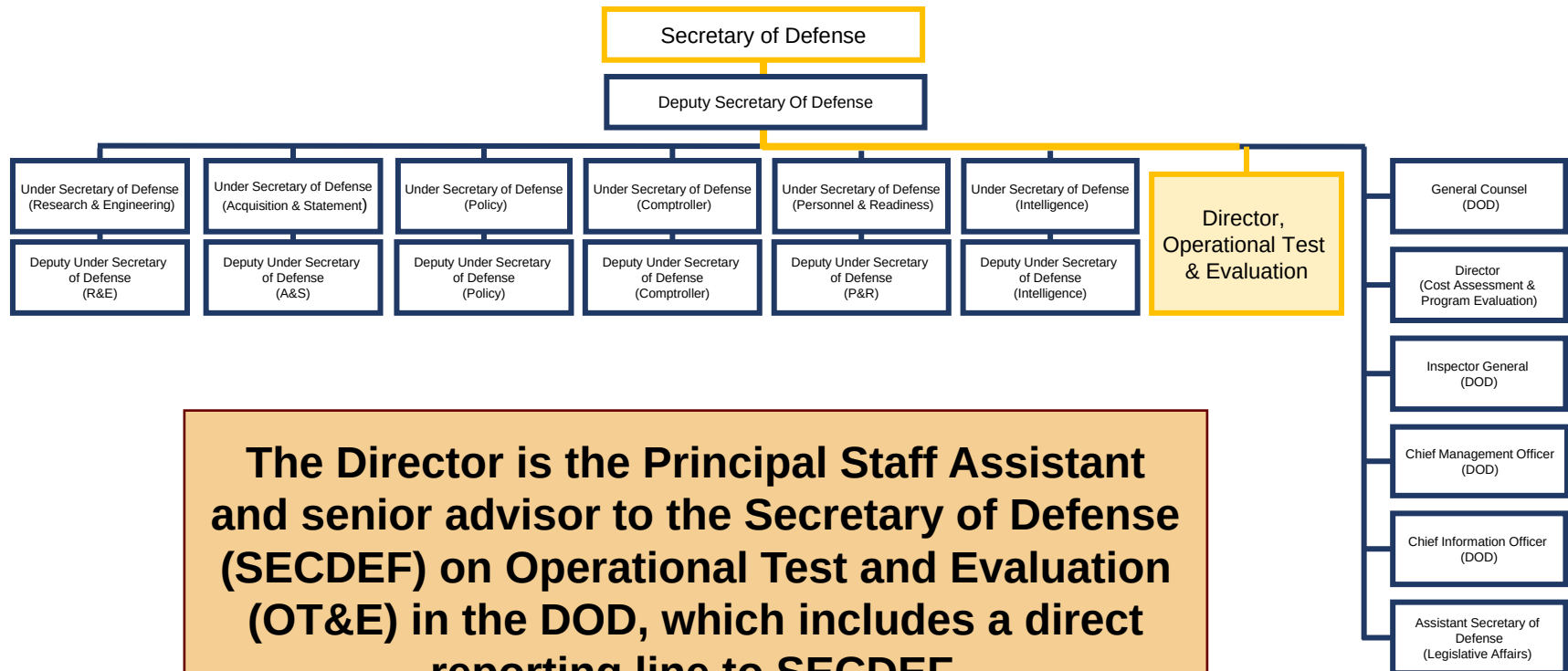
Who is DOT&E?

- A unique entity within the U.S. DOD.
- DOT&E's role is to evaluate the operational effectiveness, suitability, survivability and lethality of defense acquisition programs.

Operational and live fire test and evaluation is critical to the acquisition process: it demonstrates the warfighting capability while also offering a unique opportunity to identify and solve any system problems, prior to making a final acquisition or fielding decision.



Office of the Secretary of Defense Organization Chart



DOT&E Overview

Director, Operational Test and Evaluation (DOT&E) develops T&E policy and independently reports on operational effectiveness, suitability, survivability, and lethality of DOD systems and services acquired via the Defense Acquisition System.

DOT&E's Mission

DOT&E identifies best practices, supports the development of improved **T&E tools, process, infrastructure, and workforce**, and implements lessons learned through updates to **T&E policy and guidance** to meet the T&E and acquisition demands of today and tomorrow.

Ongoing focus includes software-reliant systems, artificial intelligence-based systems, joint all domain operations, data and integrated testing, contested operations, verification and validation of digital technologies.

Major Contributions to the T&E Enterprise

DOT&E evaluates the adequacy of program test strategies and plans based on the degree to which they will provide:

- 1) Data to support adequate evaluation of operational effectiveness and suitability.
- 2) Coverage of the battlespace and threats.
- 3) Credible use of modeling and simulation (M&S).
- 4) Complete assessments of system survivability and lethality against mission-relevant threats (e.g., Kinetic; Cyber; Electromagnetic; Chemical, Biological, Radiological, Nuclear (CBRN), Directed Energy, Space).
- 5) Production representative test articles.
- 6) Operational realism.
- 7) Sufficient funding and resources required to support test execution.



DOT&E Statement of Intent

DOT&E recognizes the increased complexity of T&E as the complexity of DOD systems and the operating environment evolve.

We will transform test and evaluation to enable delivery of the world's most advanced warfighting capabilities at the speed of need.



-  **Test the way we fight**
-  **Accelerate the delivery of weapons that work**
-  **Increase the survivability of DOD in contested environments**
-  **Pioneer T&E of weapon systems built to change over time**
-  **Foster an agile and enduring T&E enterprise workforce**



The Adaptive Acquisition Framework – All Paths Include DOT&E

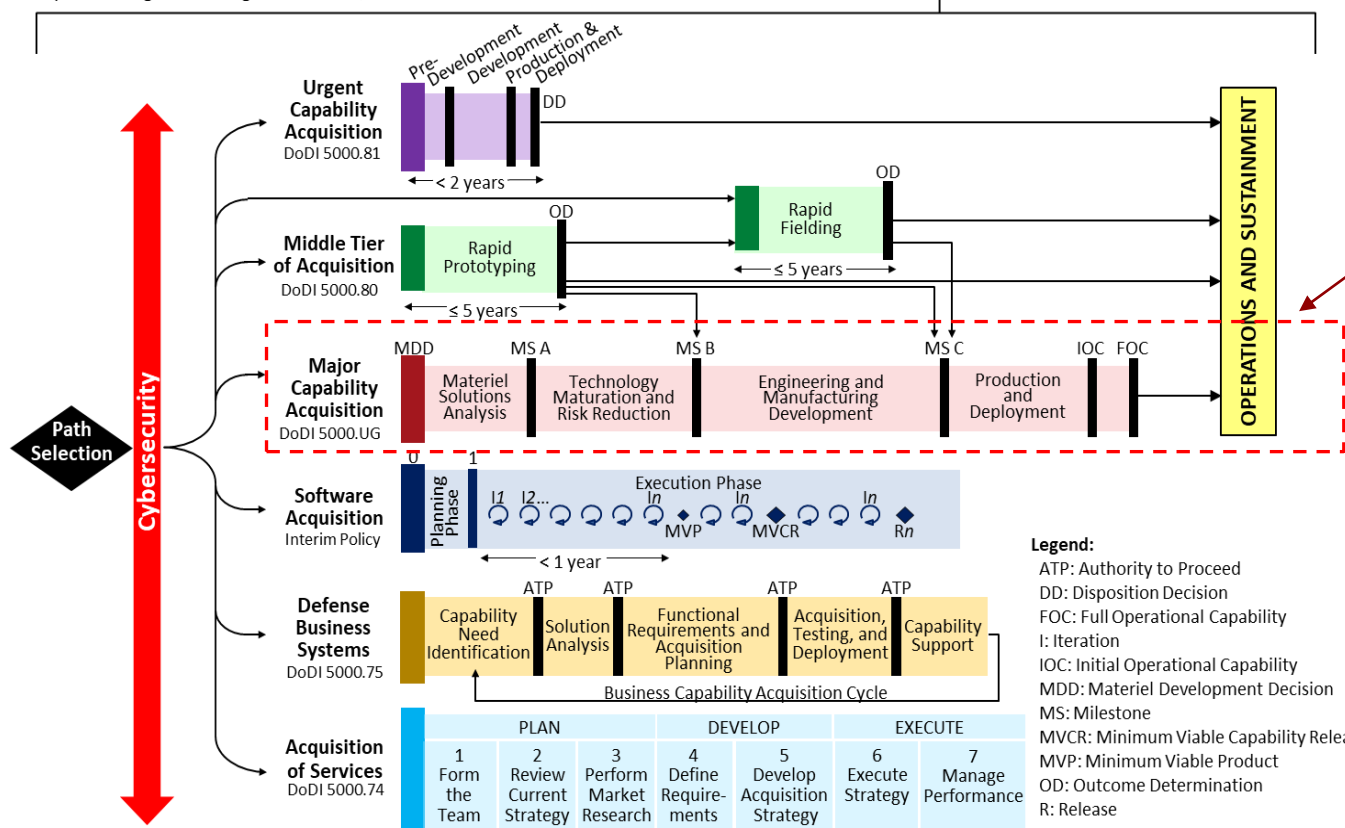
Tenets of the Defense Acquisition System:

1. Simplify Acquisition Policy
2. Tailor Acquisition Approaches
3. Empower Program Managers
4. Conduct Data Driven Analysis
5. Actively Manage Risk
6. Emphasize Sustainment



DoDD 5000.01: The Defense Acquisition System

DoDI 5000.02: Operation of the Adaptive Acquisition Framework



The legacy 5000 series policies offered a single approach for Acquisition

Legend:

- ATP: Authority to Proceed
- DD: Disposition Decision
- FOC: Full Operational Capability
- I: Iteration
- IOC: Initial Operational Capability
- MDD: Materiel Development Decision
- MS: Milestone
- MVCR: Minimum Viable Capability Release
- MVP: Minimum Viable Product
- OD: Outcome Determination
- R: Release

Source: DAU Website

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DOT&E (secondary) mission and responsibilities

- ✓ International Test and Evaluation (IT&E) Program – approve activities authorized under international agreements for reciprocal use of ranges and resources.
- **The Center for Countermeasures (CCM)** – testing and evaluation of U.S. and foreign countermeasure/counter-countermeasure systems as outlined in **DoD Instruction 5129.47**.
- **Joint Aircraft Survivability Program (JASP)** – development of T&E tools and solutions to assess and mitigate U.S. aircraft losses in combat.
- **The Joint Technical Coordinating Group for Munitions Effectiveness (JTTCG/ME)** – development, fielding and sustainment of DOD weaponeering tools for mission planning and execution across warfare domains.
- **The Joint Test & Evaluation Program** – development of non-materiel solutions (tactics, techniques and procedures) to mitigate operational deficiencies as outlined in **DoD Instruction 5010.41**
- **The Joint Live Fire program (JLF)** – development of innovative T&E methods/techniques to support efficient fielding of DOD technologies.
- **The T&E Threat Resource Activity** – ensures T&E programs are adequately supported by the intelligence community.



International Test and Evaluation Program (ITEP) Overview





International Test and Evaluation Program Overview



- The International Test and Evaluation Program (ITEP) was established in 2003 with the statutory authority under Title 10 of the U.S. Code.
- ITEP enables bilateral and multilateral agreements between U.S. forces and Allies critical for expediting the development and fielding of advanced warfighting technologies and supporting test and evaluation infrastructure and capabilities.
- DOTE manages 11 bilateral master agreements and two multilateral master agreements.



International Test and Evaluation Program Purpose

- Supports U.S. DOD National Defense Strategy to strengthen alliances and attract new Partners.
- The U.S. requires access to test facilities and ranges not available in the U.S. to test defense materiel. ITEP was established to:
 - Fulfill the requirement to test U.S. defense materiel in natural environments not available in the U.S.
 - Gain access to technical test capabilities the U.S. does not have or that are out of service.
 - Provide for partner access to U.S. ranges/facilities for similar purposes.
 - Promote partner defense capabilities as well as U.S. and partner interoperability.



Agreements and Activities Under ITEP

- Provides for:
 - Reciprocal Use of Test Facilities (RUTF) Project Agreement (PAs)
 - Cooperative Test & Evaluation (CTE) PAs
 - Equipment and Material Transfers Agreement (E&MTA)
 - Working Groups
 - Facility Visits
- Allows Bilateral and Multilateral PAs.
- Supports Testing in Conjunction with Training Events.

Acronyms in Slide: CTE – Cooperative Test and Evaluation; E&MTA – Equipment and Material Transfers; ITEP – International Test and Evaluation Program; PA – Project Agreement; RUTF - Reciprocal Use of Test Facilities



Benefits of International Test and Evaluation Program

- The ITEP program gives access to each other's test facilities and ranges.
- Can quickly meet testing needs with access to more assets.
- Streamlined process provides administrative efficiency.
- Ability to cooperate on testing advanced weapon systems.

Acronyms in Slide: ITEP – International Test and Evaluation Program



Past/Current ITEP Successes

- F-18 Center Barrel RUTF
- Formidable Shield RUTF
- Air Electronic Warfare CTE
- Joint Strike Missile (JSM) RUTF
- Sky Sabre RUTF
- Combat Archer/Hammer recurring RUTFs
- Multiple Chemical, Biological, Radiological, and Nuclear (CBRN) RUTFs
- Land Platforms Autonomy and Robotics Working Group



The International Test and Evaluation Program Provides Proven Benefits to the U.S. and our Partners.

Acronyms in Slide: CTE – Cooperative Test and Evaluation; ITEP – International Test and Evaluation Program; PA – Project Arrangement; RUTF - Reciprocal Use of Test Facilities



Questions?

