



# Department of Defense DIRECTIVE

NUMBER 5141.2

May 25, 2000

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DA&M

SUBJECT: Director of Operational Test and Evaluation (DOT&E)

- References:
- (a) Title 10, United States Code
  - (b) DoD Directive 5141.2, "Director of Operational Test and Evaluation," April 2, 1984 (hereby canceled)
  - (c) [DoD Directive 3200.11](#), "Major Range and Test Facility Base," January 26, 1998
  - (d) [DoD 5025.1-M](#), "DoD Directives System Procedures," August 1994
  - (e) through (g), see enclosure 1

## 1. REISSUANCE AND PURPOSE

Pursuant to the authorities provided in reference (a), this Directive reissues reference (b) to update the responsibilities, functions, relationships, and authorities of the DOT&E.

## 2. APPLICABILITY

This Directive applies to the Office of the Secretary of Defense, the Military Departments, the Chairman of the Joint Chiefs of Staff, the Combatant Commands, the Office of the Inspector General of the Department of Defense, the Defense Agencies, and the DoD Field Activities, and all other organizational entities within the Department of Defense (hereafter referred to collectively as "the DoD Components").

## 3. DEFINITIONS

3.1. Operational Test and Evaluation (OT&E). The field test, under realistic operational conditions, of any item (or key component) of weapons, equipment, or munitions for the purpose of determining the operational effectiveness and operational

suitability of the weapons, equipment, or munitions for operational use, including combat, by typical military users, and the evaluation of the results of such test.

3.2. Live Fire Test and Evaluation (LFT&E). A test that involves the firing of actual munitions at targets to examine user casualty, vulnerability and/or lethality issues, and the evaluation of the results of such tests.

3.3. Operational Test Agency (OTA). The Army Test and Evaluation Command, the Navy Operational Test and Evaluation Force, the Air Force Operational Test and Evaluation Center, the Marine Corps Operational Test and Evaluation Activity, and the Joint Interoperability Test Command.

3.4. Test and Evaluation (T&E) Infrastructure. Test ranges, facilities, test beds, instrumentation and communications systems, targets, threat representations, vehicles, modeling and simulation, personnel, base support activities, air space, land space, sea space, and other resources in the Department of Defense used to support the conduct of test and evaluation.

3.5. Major Range and Test Facility Base (MRTFB). Specific test ranges and facilities within the Department of Defense test and evaluation infrastructure governed by reference (c).

#### 4. RESPONSIBILITIES AND FUNCTIONS

4.1. The Director of Operational Test and Evaluation is the Principal Staff Assistant and advisor to the Secretary and Deputy Secretary of Defense for the responsibilities and functions described herein. The DOT&E shall not exercise responsibility for developmental test and evaluation except to provide advice to officials responsible for such testing.

4.2. The DOT&E shall:

4.2.1. Prescribe policies and procedures for the conduct of OT&E and LFT&E, and for the composition and operations of the MRTFB within the Department of Defense.

4.2.2. Provide advice and make recommendations to the Secretary and Deputy Secretary of Defense and the Under Secretary of Defense (Acquisition, Technology, and Logistics) (USD(AT&L)). Issue guidance to and consult with the Heads of the DoD Components with respect to OT&E, LFT&E and the T&E infrastructure in the Department of Defense in general, and with respect to specific OT&E and LFT&E to be

conducted in connection with programs under DOT&E oversight and to specific issues regarding the MRTFB.

4.2.3. Designate, as appropriate, selected special interest weapons, equipment, or munitions, for DOT&E oversight in accordance with section 139 of title 10, United States Code (reference (a)), and this Directive. Such designation will be identified annually, and does not extend to other purposes for which the term may be used outside of this context.

4.2.4. Monitor and review all OT&E and LFT&E in the Department of Defense, and activities of the MRTFB, to ensure adherence to approved policies and standards.

4.2.5. Analyze the results of OT&E and LFT&E conducted on programs under DOT&E T&E oversight, and submit reports as follows:

4.2.5.1. For OT&E, prior to a decision to proceed beyond low-rate initial production, submit a report to the Secretary of Defense, the USD(AT&L), and the congressional defense committees that addresses:

4.2.5.1.1. The adequacy of the test and evaluation performed.

4.2.5.1.2. Whether the results confirm the operational effectiveness, operational suitability, lethality, and survivability of the items or components actually tested.

4.2.5.2. For LFT&E, prior to a decision to proceed beyond low-rate initial production, submit a report to the Secretary of Defense and congressional defense committees that describes the results of the testing and provides an overall assessment.

4.2.5.3. Report annually to the Secretary of Defense, the USD(AT&L), and the Congress summarizing the OT&E and LFT&E activities and the condition of the test and evaluation infrastructure and resources of the Department of Defense during the preceding fiscal year. The report shall include comments and recommendations on resources and facilities available for T&E and levels of funding made available for OT&E and LFT&E activities.

4.2.5.4. Provide evaluation reports as requested by the Secretary of Defense or the USD(AT&L) in support of system acquisition reviews and the Defense Acquisition Executive Summary preparation.

4.2.6. Coordinate Joint Operational Testing.

4.2.7. Ascertain the status of interoperability of information technology and national security systems by assisting the Commanders in Chief of the Combatant Commands and the DoD Components in planning exercises, experiments, and training activities, which will verify proposed solutions to identified shortfalls.

4.2.8. Oversee Joint Operational Test and Evaluation programs, including chartering and test plan approval, to obtain information pertinent to joint operational doctrine, tactics, and procedures.

4.2.9. Manage the Joint Live Fire program to obtain information pertinent to improving system design, operational doctrine, tactics, and procedures relative to survivability and lethality.

4.2.10. Oversee and direct the activities of the Central Test and Evaluation Investment Program, the Joint Technical Coordinating Groups on Aircraft Survivability and for Munitions Effectiveness, DoD Threat Systems Office, the Precision Guided Weapons Countermeasures Test and Evaluation Directorate, and the Defense Test and Evaluation Professional Institute.

4.2.11. Promote coordination, cooperation, and mutual understanding within the Department of Defense and between the Department of Defense and other Federal Agencies, State, local, and foreign governments, and the civilian community with regard to T&E matters.

4.2.12. Co-oversee Joint Test and Evaluation (JT&E) projects and jointly approve JT&E test plans with the USD(AT&L) to ensure an operational test focus.

4.2.13. Establish DoD-wide investment strategies, business processes, policies, for improving the realism, responsiveness and productivity of the test and evaluation infrastructure. Review the DoD Component budget submissions to determine the adequacy of OT&E and LFT&E funding, and the adequacy of funding, for all test investments and recapitalization of ranges and facilities and other resources used for T&E.

4.2.14. Perform such other responsibilities as the Secretary or Deputy Secretary of Defense may prescribe.

## 5. RELATIONSHIPS

5.1. In the performance of assigned functions and responsibilities, the DOT&E shall:

5.1.1. Report directly to the Secretary and Deputy Secretary of Defense.

5.1.2. Serve as a permanent member to the T&E Executive Agent Board of Directors and co-chair the Senior Advisory Group for JT&E.

5.1.3. Require, as appropriate, that observers designated by the DOT&E, be present during the preparation for, and the conduct of, the test part of any OT&E conducted by the DoD Components.

5.1.4. Monitor and review the activities of the Operational Test Agencies.

5.1.5. Use existing systems, facilities, and services of the Department of Defense and other Federal Agencies, whenever practicable, to achieve maximum efficiency.

5.2. Other OSD officials and the Heads of the DoD Components shall coordinate with the DOT&E on all OT&E and LFT&E, independent test and evaluation programs, test resources, the MRTFB, and test and evaluation infrastructure matters as prescribed herein.

5.3. The Secretaries of the Military Departments shall report promptly to the Director, OT&E, the results of all OT&E and LFT&E events conducted by the Military Departments and on all studies conducted by the Military Departments in connection with their OT&E and LFT&E activities.

5.4. The DoD Components, as appropriate, shall report promptly to the DOT&E all activities affecting the composition, capabilities, capacity, resources, activity missions, and funding of the MRTFB and the remainder of the test and evaluation infrastructure, operational training ranges, and modeling and simulation facilities and capabilities used for test and evaluation.

## 6. AUTHORITIES

6.1. The DOT&E is hereby granted authority to:

6.1.1. Co-approve the DoD Test and Evaluation Master Plan (TEMP) and T&E portions of integrated program management documents with the USD(AT&L) for major

and other designated defense acquisition programs, and with the Assistant Secretary of Defense for Command, Control, Communications, and Intelligence for major and other designated automated information systems. Approve the TEMP or T&E portions of the integrated program management documents for programs that are solely under DOT&E oversight.

6.1.2. Approve alternative LFT&E strategies in support of waivers of full-up system-level live fire testing.

6.1.3. Chair and re-charter the Defense Test and Training Steering Group (DTTSG) in conjunction with the Under Secretary of Defense (Personnel and Readiness).

6.1.4. Issue DoD Instructions, DoD Publications, and one-time directive-type memoranda, consistent with DoD 5025.1-M (reference (d)), that implement policies approved by the Secretary of Defense in order to carry out the functions assigned to the Director, OT&E. Instructions to the Military Departments and other DoD Components shall be issued through the Secretaries or the Heads of those Components or their designees. Instructions to Combatant Commands shall be issued through the Chairman of the Joint Chiefs of Staff.

6.1.5. Serve as a permanent member of the Defense Acquisition Board, Program Review Group, and Information Technology Overarching Integrated Product Team for the purpose of carrying out the principles and policies of DoD Directive 5000.1 (reference (e)), DoD 5000.2-R (reference (f)), and DoD Directives System issuances pertaining to test and evaluation activities.

6.1.6. Obtain reports, information, advice, and assistance, consistent with DoD Directive 8910.1 (reference (g)), as necessary in carrying out assigned functions.

6.1.7. Establish arrangements for DoD participation in non-defense governmental programs for which the DOT&E is assigned primary cognizance.

6.1.8. Communicate with other Government officials, representatives of the Legislative Branch, and members of the public, as appropriate, in carrying out assigned responsibilities and functions.

6.1.9. Coordinate and exchange information with other DoD officials exercising collateral or related responsibilities.

7. EFFECTIVE DATE

This Directive is effective immediately.

A handwritten signature in black ink, appearing to read "Rudy de Leon". The signature is fluid and cursive, with the first letter of each word being capitalized and prominent.

**Rudy de Leon**  
**Deputy Secretary of Defense**

Enclosures - 1

E1. References, continued

E1. ENCLOSURE 1

REFERENCES, continued

- (e) [DoD Directive 5000.1](#), "Defense Acquisition," March 15, 1996
- (f) [DoD 5000.2-R](#), "Mandatory Procedures for Major Defense Acquisition Programs (MDAPS) and Major Automated Information System (MAIS) Acquisition Programs," March 15, 1996
- (g) [DoD Directive 8910.1](#), "Management and Control of Information Requirements," June 11, 1993