



Department of Defense INSTRUCTION

NUMBER 5134.17

October 25, 2011

USD(AT&L)

SUBJECT: Deputy Assistant Secretary of Defense for Developmental Test and Evaluation (DASD(DT&E))

- References:
- (a) Section 139b of title 10, United States Code
 - (b) DoD Directive 5134.01, "Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L)), December 9, 2005
 - (c) DoD 8910.1-M, "Department of Defense Procedures for Management of Information Requirements," June 30, 1998
 - (d) DoD Instruction 5000.02, "Operation of the Defense Acquisition System," December 8, 2008

1. PURPOSE. This Instruction establishes policy, assigns responsibilities and functions, and prescribes relationships and authorities for the DASD(DT&E) pursuant to Reference (a) and in accordance with the authority in Reference (b).

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

3. POLICY. It is DoD policy that the DASD(DT&E) shall be the focal point for all policy, practice, procedures, and acquisition workforce issues relating to developmental test and evaluation (DT&E) within the DoD.

4. RESPONSIBILITIES. See Enclosure 1.

5. RELATIONSHIPS. See Enclosure 2.

6. AUTHORITIES. See Enclosure 3.

7. INFORMATION REQUIREMENTS. The annual report to the defense committees at paragraph 1.j of Enclosure 1 has been assigned RCS DD-AT&L(A)2258 in accordance with DoD 8910.1-M (Reference (c)).

8. RELEASABILITY. UNLIMITED. This Instruction is approved for public release and is available on the Internet from the DoD Issuances Website at <http://www.dtic.mil/whs/directives>.

9. EFFECTIVE DATE. This Instruction is effective upon its publication to the DoD Issuances Website.



Frank Kendall
Acting Under Secretary of Defense for
Acquisition, Technology, and Logistics

Enclosures

1. Responsibilities
2. Relationships
3. Authorities

Glossary

ENCLOSURE 1

RESPONSIBILITIES

1. DASD(DT&E). The DASD(DT&E) is the principal advisor to the Secretary of Defense and the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L)) on DT&E in the DoD in accordance with Reference (a). In this capacity, the DASD(DT&E) shall:

a. Develop policies and guidance for:

(1) The planning, execution, and reporting of DT&E in the DoD, including integration and DT&E of software.

(2) The integration of developmental and operational tests in coordination with the Director of Operational Test and Evaluation (DOT&E).

(3) The planning, execution, and reporting of DT&E executed jointly by more than one Military Department or Defense Agency.

(4) The use of DT&E planning principles and best practices.

(5) Development of test and evaluation strategies (TESs) and test and evaluation master plans (TEMPs) in conjunction with the DOT&E.

(6) Inclusion of provisions in requests for proposals that relate to DT&E.

(7) The use of DT&E approaches to effectively support reliability growth programs.

(8) The reporting of DT&E results to the DASD(DT&E) and USD(AT&L).

b. Provide advice and make recommendations to the Secretary of Defense and the USD(AT&L) regarding DT&E and the execution of these activities within and across defense acquisition programs. Issue guidance to and consult with the Heads of the DoD Components with respect to DT&E in the DoD.

c. Provide guidance to defense acquisition programs for developing and documenting the program's evaluation strategy and management approach in the TES and TEMP throughout the program's life cycle.

d. Review and approve DT&E portions in the TES and TEMP for each program on the OSD test and evaluation (T&E) oversight list in accordance with DoD Instruction 5000.02 (Reference (d)).

e. Beginning with the materiel development decision, monitor and review the DT&E and development planning activities of the pre-major defense acquisition programs (MDAPs) and pre-major automated information system (MAIS) programs.

f. Monitor and review the DT&E activities of all MDAPs and MAIS programs, and special interest programs identified on the OSD T&E oversight list.

g. Serve as the functional leader for the T&E acquisition career field within the DoD. Provide advocacy, oversight, and guidance to the acquisition workforce responsible for T&E.

h. As an advisory member of the Defense Acquisition Board (DAB) and other key acquisition bodies, provide independent assessments, planned and ad hoc, of programs' DT&E, execution, and risk.

i. Periodically review the organizations and capabilities of the Military Departments with respect to DT&E and identify needed changes or improvements to such organizations and capabilities, and provide input regarding needed changes or improvements for the T&E strategic plan developed in accordance with Reference (a).

j. Submit, not later than March 31 of each year, to the congressional defense committees, an annual report, jointly with the Deputy Assistant Secretary of Defense for Systems Engineering (DASD(SE)), in compliance with section 139b(c) of Reference (a), that includes information on significant DASD(DT&E) activities undertaken during the preceding year; an assessment of the Military Departments and Defense Agencies for systems engineering, development planning, and DT&E; and an assessment of MDAPs with activity in the preceding year.

k. In coordination with the Director, Performance Assessments and Root Cause Analyses (PARCA), and the DASD(SE), jointly issue guidance on:

(1) Development and tracking of detailed, measurable performance criteria as part of the systems engineering plans and the DT&E plans required in TEMPs.

(2) Use of DT&E to measure the achievement of performance objectives.

(3) A system for storing and tracking information relating to the achievement of the performance criteria and objectives.

l. Conduct an independent assessment of operational test readiness (AOTR) for all MDAPs and special interest programs. An AOTR shall be completed before the program may proceed to initial operational test and evaluation. Where feasible, the AOTR shall be conducted in conjunction with the operational test readiness review. The results of the AOTR are provided to the USD(AT&L), DOT&E, program manager, DoD Component acquisition executives, and Service Vice Chiefs.

m. Jointly with the DOT&E, and in consultation with the T&E executives of the cognizant DoD Components, determine the programs designated for OSD T&E oversight.

n. Establish and lead a senior-level forum with participation from the DoD Components as a means to collaborate and leverage activities within the Components and to provide forums to institutionalize DT&E across the DoD.

o. Ensure that all DASD(DT&E) policies, guidance, procedures, and programs are designed and managed to improve standards of performance, ethics, economy, and efficiency.

p. Perform such other activities relating to the DT&E activities of the DoD as the USD(AT&L) may prescribe.

q. Provide advocacy and guidance for integrated testing as appropriate on all programs.

r. Report reliability growth curve progress to plan at Defense Acquisition Boards and Defense Acquisition Executive Summaries.

2. OTHER OSD OFFICIALS AND THE HEADS OF THE DoD COMPONENTS. Other OSD officials and the Heads of the DoD Components shall coordinate with the DASD(DT&E) on all matters under their purview related to the authorities, responsibilities, and functions assigned in this Instruction in accordance with Reference (a).

ENCLOSURE 2

RELATIONSHIPS

In the performance of assigned functions and responsibilities, the DASD(DT&E) shall:

- a. Report to the USD(AT&L) through the Assistant Secretary of Defense for Research and Engineering (ASD(R&E)).
- b. Serve as an advisory member of the DAB.
- c. Cooperate with the Director, Cost Assessment and Program Evaluation (DCAPE), and, to the extent agreed upon with the DCAPE, serve as a participant and technical advisor in the development of analysis of alternatives (AoA) study guidance and serve on the AoA Study Advisory Group to facilitate the consideration of technology and engineering risks for the alternatives under consideration.
- d. Coordinate with the Director, DoD Test Resource Management Center, regarding needed changes or improvements on all T&E facility and resource matters for the T&E strategic plan.
- e. Work with the DoD Components and the designated lead Government DT&E organization that is qualified to conduct detailed planning and execute the DT&E and is responsible to gather objective T&E information on defense acquisition programs and provide the report of results to the DASD(DT&E).
- f. In support of the ASD(R&E), periodically review and assess the technological maturity and integration risk of critical technologies of the DoD MDAPs and report on the findings of such reviews and assessments to the USD(AT&L).
- g. Coordinate with the Joint Staff to provide technical advice on the feasibility to evaluate, test, and measure requirements and to inform the Joint Requirements Oversight Council processes.
- h. Maintain relationships with national and international organizations to promote the application of DT&E, establish common DT&E standards, and share best practices.
- i. Coordinate with the Director, PARCA, to provide technical input to root cause analyses and provide subject matter expertise for the periodic conduct of performance assessments.
- j. Work with the appropriate overarching integrated product team to assist in the acquisition management, oversight, and adherence to regulatory and statutory requirements pertaining to DT&E of MDAPs and MAIS programs.
- k. Coordinate with DOT&E on T&E policy and guidance.

ENCLOSURE 3

AUTHORITIES

The DASD(DT&E) is hereby delegated authority to:

- a. Comply with requests from Congress for information relating to DT&E in the DoD. Communications with representatives of the Legislative Branch shall be coordinated with the Assistant Secretary of Defense for Legislative Affairs or the Under Secretary of Defense (Comptroller)/Chief Financial Officer, Department of Defense, as appropriate, and be consistent with the DoD Legislative Program.
- b. Review and approve the DT&E plans within the TES and TEMP for each MDAP, MAIS program, and special interest program. Coordinate on the T&E portions of the acquisition program management documents.
- c. Develop DoD policy for the approval and signature of the USD(AT&L) in DoD Instructions.
- d. Communicate directly with the Heads of the DoD Components, as necessary, to carry out assigned responsibilities and functions, including the transmission of requests for advice and assistance. Communications to the Military Departments shall be through the Secretaries of the Military Departments, their designees, or as otherwise provided in law or directed by the Secretary of Defense in other DoD issuances. Communications to the Commanders of the Combatant Commands normally shall be transmitted through the Chairman of the Joint Chiefs of Staff.
- e. In accordance with Reference (a), have access to all DoD records and data (including the records and data of each Military Department and including classified and propriety information, as appropriate, to include periodic and preliminary reports of test events) considered necessary to carry out the authorities herein assigned.

GLOSSARY

ABBREVIATIONS AND ACRONYMS

AoA	analysis of alternatives
AOTR	assessment of operational test readiness
ASD(R&E)	Assistant Secretary of Defense for Research and Engineering
DAB	Defense Acquisition Board
DASD(DT&E)	Deputy Assistant Secretary of Defense for Developmental Test and Evaluation
DASD(SE)	Deputy Assistant Secretary of Defense for Systems Engineering
DCAPE	Director, Cost Assessment and Program Evaluation
DOT&E	Director, Operational Test and Evaluation
DT&E	developmental test and evaluation
MAIS	major automated information system
MDAP	major defense acquisition program
PARCA	Performance Assessments and Root Cause Analyses
T&E	test and evaluation
TEMP	test and evaluation master plan
TES	test and evaluation strategy
USD(AT&L)	Under Secretary of Defense for Acquisition, Technology, and Logistics