



Department of Defense DIRECTIVE

NUMBER 5129.47

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Certified Current as of December 9, 2003

DOT&E

SUBJECT: Center for Countermeasures

References: (a) DoD Directive 5129.47, "Precision Guided Weapons Countermeasures Test and Evaluation Directorate," August 2, 1989 (hereby canceled)
(b) Title 10, United States Code
(c) Title 42, United States Code
(d) [DoD 8910.1-M](#), "DoD Procedures for Management of Information Requirements," June 1998

1. REISSUANCE AND PURPOSE

1.1. This Directive supersedes reference (a).

1.2. Pursuant to the authority vested in the Secretary of Defense under reference (b), this Directive renames the Precision Guided Weapons Countermeasures (PGWCM) Test and Evaluation (T&E) Directorate, as the Center for Countermeasures and prescribes its organization, mission, objectives, functions, responsibilities, administration, authority, and funding.

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, 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. Precision Guided Weapon Systems. Those systems operating in all frequency bands, particularly those in the electro-optical and millimeterwave regimes.

3.2. Electro-optical Guided Weapon Systems. Those systems that employ integral electro-optical sensors typically in the 0.2 to 14.0 micrometer region for sensing, acquisition, mid-course and terminal guidance, or for fuzing functions.

3.3. Millimeterwave Guided Weapon Systems. Those systems that are typically designed to operate in the 30 to 300 gigahertz region for sensing, acquisition, mid-course and terminal guidance, or for fuzing functions.

3.4. Countermeasures (CM). Any device, technique, or action taken intended to impair the operational effectiveness of enemy activity that depend on, or take advantage of, the technical and operational characteristics of electro-optical sensors and/or millimeterwave systems or related componentry.

3.5. Counter-Countermeasures (CCM). Any device, technique, or action that is intended to impair the operational effects of a countermeasure that depends on, or takes advantage of, the technical and operational characteristics of electro-optical sensors and/or millimeterwave systems or related componentry.

3.6. Related Componentry. Electro-optical and millimeter-wave hardware such as target acquisition and fire control systems, countermeasures systems and equipment, position location and/or identification systems, fuses, and intelligence collection devices.

4. ORGANIZATION

The Center for Countermeasures is a joint activity that operates under the policy guidance, supervision, and technical direction of the Director of Operational Test and Evaluation (DOT&E). The Center shall be located at White Sands Missile Range, New Mexico; however, the ability to conduct CM/CCM test operations on a worldwide basis shall be retained as a necessary capability.

5. MISSION

The mission of the Center for Countermeasures is to direct, coordinate, support, and conduct CM/CCM T&E activities applicable to all precision guided weapon systems, including electro-optical guided weapon systems, millimeterwave guided weapon systems, and related componentry, and such other T&E activities as the DOT&E may direct.

6. OBJECTIVES

The objectives of the Center for Countermeasures are to:

6.1. Perform early countermeasures assessments to support the requirements process, warfare experimentation, and concept and technology development, and demonstrations of precision guided weapon systems, subsystems, and related componentry.

6.2. Determine the performance and limitations of precision guided weapon systems, subsystems, and related componentry in a CM environment, following program initiation, and extending throughout their operational lifetimes.

6.3. Evaluate the practicability and effectiveness of CM/CCM techniques and devices against guided weapon systems, subsystems, and related componentry with emphasis on the operational environment.

6.4. Provide information and recommendations to weapon system developers, developmental T&E organizations, Operational Test Agencies, the DOT&E, and the DoD Components on the effectiveness of CM/CCM techniques and devices.

6.5. Develop, maintain, and disseminate a lexicon of precision guided weapon system vulnerability and/or susceptibility terminology. Included in this product is the collection of related test conditions, analyses, and evaluation criteria. Also included in this product is the collection of countermeasures concepts and operational characteristics, related test conditions, analyses, and evaluation criteria.

7. FUNCTIONS AND RESPONSIBILITIES

7.1. The DOT&E shall:

7.1.1. Provide technical direction, supervision, and policy guidance to the Director, Center for Countermeasures.

7.1.2. Review and approve the annually updated Center for Countermeasures Program Plan.

7.1.3. Review and approve the program budget plans.

7.1.4. Coordinate susceptibility and vulnerability analyses and test reports with appropriate OSD Agencies.

7.1.5. Ensure that T&E activities are conducted in accordance with the National Environmental Policy Act (42 United States Code 4321-4347) (reference (c)).

7.2. The Director, Center for Countermeasures, shall:

7.2.1. Report to the DOT&E for test policy, program direction and planning, execution, and reporting of the funded program.

7.2.2. Organize, manage, and operate the Center for Countermeasures within the policies and guidance of the DOT&E and the annually updated Program Plan, as approved.

7.2.3. Coordinate directly with weapon system developers and T&E Agencies to define the scope, depth, and schedule of precision guided weapon system CM/CCM testing activities. Ensure the independence of precision guided weapons CM/CCM T&E from developer influence.

7.2.4. Identify related test programs within the Military Departments and Defense Agencies and, when feasible, make use of pertinent data or results.

7.2.5. Perform, conduct, or participate in precision guided weapon systems susceptibility and/or vulnerability analyses.

7.2.6. Maintain, obtain, and utilize an inventory of CM test devices and instrumentation sufficient to support program T&E activities.

7.2.7. Develop, or recommend development of, required CM test equipment and devices not under development or available within the DoD Components' programs.

7.2.8. Conduct, coordinate, participate in, or be cognizant of, foreign equipment exploitation within the overall objectives of the program.

7.2.9. Develop specific system CM/CCM test directives and coordinate such directives with the appropriate DoD Components. A copy of each CM/CCM test directive shall be provided to the DOT&E.

7.2.10. Develop, analyze, and test feasible CM/CCM techniques and make CM/CCM recommendations to weapon system developers and the OSD.

7.2.11. Determine resources required to conduct CM/CCM testing, coordinate requirements with the respective DoD Components, and seek support from the appropriate DoD Components.

7.2.12. Conduct or participate in CM/CCM testing at various geographical and environmental locations, collect and analyze data, and evaluate and assess the test results.

7.2.13. Prepare analyses and test reports in cooperation with, but independent of, the participating DoD Components.

7.2.14. Develop and maintain an expanding common CM/CCM database for precision guided weapon systems.

7.2.15. Coordinate educational programs and furnish consultative services to improve the awareness of, and responsiveness to, CM/CCM technology.

7.2.16. Prepare and provide to the DOT&E an annual Center for Countermeasures Program Plan.

7.3. The Secretary of the Army shall serve as the Executive Agent for the Center for Countermeasures, providing administrative support and manpower spaces as requested by the DOT&E to enable the Center for Countermeasures to accomplish its assigned mission.

7.4. The Heads of the DoD Components shall support the Center for Countermeasures as follows:

7.4.1. Identify to the Center for Countermeasures all precision guided weapon systems and related componentry that fall under the purview of the Directorate.

7.4.2. Coordinate with the Center for Countermeasures on the scope, depth, and schedule of precision guided weapon systems CM/CCM testing activities.

7.4.3. Assist the Center for Countermeasures, as required, to perform, conduct, or participate in precision guided weapon systems susceptibility and/or vulnerability analyses.

7.4.4. Coordinate requirements and provide support in response to tasking by the Center for Countermeasures for resources required to conduct CM/CCM testing in support of the requiring DoD Component.

7.4.5. Assist the Center for Countermeasures to conduct or participate in CM/CCM testing at various geographical and/or environmental locations, collect and analyze data, and assess the test results.

8. ADMINISTRATION

8.1. The Director, Center for Countermeasures, shall be a civilian selected by the DOT&E. The Director shall be responsible for the on-site management and conduct of the program and shall report to the DOT&E who is responsible for his efficiency and/or performance ratings.

8.2. Administrative and logistical support at White Sands Missile Range for the Center for Countermeasures shall be provided by the Department of the Army using appropriate inter-Service support agreements. Support for the Center for Countermeasures activities at locations other than White Sands Missile Range shall be provided by the applicable DoD Component requiring Center for Countermeasures services.

8.3. The Army, the Navy, the Air Force, and the Marine Corps shall each attach one technically qualified field grade officer (O-5) to the Center for Countermeasures in accordance with currently approved authorizations and procedures for assignment to joint test activities to perform duties as Service Technical Liaison Officers. The performance and evaluation reports of these officers shall be prepared by the Director in accordance with appropriate Service Letters of Instruction.

9. AUTHORITIES

The Director, Center for Countermeasures, is delegated authority to:

9.1. Communicate directly with the DoD Components and, after appropriate coordination, with other Government and non-Government organizations.

9.2. Obtain such information, data, analyses, reports, and assistance from the DoD Components within available resources as deemed necessary for the performance of assigned functions and responsibilities.

9.3. Manage all program resources within the policies and guidelines provided by the DOT&E and the annually approved Program Plan.

10. FUNDING

Funds for the operation of the Center for Countermeasures shall be provided by the DOT&E.

11. INFORMATION REQUIREMENTS

11.1. The information and recommendations provided to weapons system developers at paragraph 6.4.; the susceptibility and/or vulnerability analyses and test reports at subparagraphs 7.1.4., 7.2.5., and 7.4.3.; the collection of post-CM/CCM test data at subparagraphs 7.2.12. and 7.4.5. and the preparation of test reports at subparagraph 7.2.13. are exempt from licensing in accordance with paragraph C4.4.2. of DoD 8910.1-M (reference (d)).

11.2. The annual Center for Countermeasures Program Plan at subparagraph 7.2.16. is exempt from licensing in accordance with paragraph C4.4.4. of DoD 8910.1-M (reference (d)).

12. EFFECTIVE DATE

This Directive is effective immediately.



Paul Wolfowitz
Deputy Secretary of Defense