



Department of Defense **DIRECTIVE**

NUMBER 5101.14

June 11, 2007

Incorporating Change 2, Effective June 21, 2019

USD(A&S)

SUBJECT: DoD Executive Agent and Single Manager for Military Ground-Based Counter Radio-Controlled Improvised Explosive Device Electronic Warfare (CREW) Technology

- References:**
- (a) DoD Directive 5101.1, "DoD Executive Agent," September 3, 2002
 - (b) Deputy Secretary of Defense Memorandum, "DoD Executive Agent for Military Ground-Based Counter Radio-Controlled Improvised Explosive Device Electronic Warfare (CREW) Technology," May 24, 2006 (hereby canceled)
 - (c) DoD Directive 2000.19E, "Joint Improvised Explosive Device Defeat Organization (JIEDDO)," February 14, 2006
 - (d) DoD Directive 3025.15, "Military Assistance to Civil Authorities," February 18, 1997
 - (e) through (j), see Enclosure 1

1. PURPOSE. This Directive:

1.1. Establishes policy, assigns responsibilities, and prescribes procedures for a DoD Executive Agent and Single Manager for Military Ground-Based CREW (hereafter referred to as CREW) Technology.

1.2. Designates the Secretary of the Navy as the DoD Executive Agent consistent with Reference (a).

1.3. Establishes a Joint CREW Program Board, a CREW Military Technical Acceptance Board (MTAB), and a CREW Science and Technology (S&T) Board, as described in Enclosure 2, and a Single Manager, as described in Enclosure 3, to assist in the execution of these assigned responsibilities.

1.4. Replaces Reference (b).

2. APPLICABILITY AND SCOPE.

2.1. This Directive applies to the Office of the Secretary of Defense (OSD), the Military Departments, 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 in the Department of Defense (hereafter referred to collectively as the “DoD Components”). The term “Military Services,” as used herein, refers to the Army, the Navy, the Air Force, and the Marine Corps.

2.2. This Directive does not modify existing Military Department operational and training responsibilities that involve CREW systems.

3. DEFINITIONS. For the purpose of this Directive, the following definitions apply.

3.1. CREW. Systems using the electromagnetic spectrum to prevent or inhibit the intended operation of a radio-controlled improvised explosive device (RCIED).

3.2. IED. A device placed or fabricated in an improvised manner incorporating destructive, lethal, noxious, pyrotechnic, or incendiary chemicals and designed to destroy, incapacitate, harass, or distract. It may incorporate military stores, but is normally devised from nonmilitary components.

3.3. RCIED. Any IED whose arming or functioning incorporates or includes the use of a radio transmitter or receiver.

3.4. Weapons Technical Intelligence. Intelligence derived from the technical and forensic exploitation of captured or found explosive devices, associated components, and weapons.

4. POLICY. It is DoD policy that the DoD Joint CREW technology program provide the most effective countermeasures against RCIEDs and improve the efficiency and economy of CREW capability development throughout the Department of Defense by eliminating duplication and overlap of effort. Within this policy, the Military Services may conduct CREW research and development (R&D) programs that satisfy Military Service-unique requirements if such requirements are coordinated before initiation with the Single Manager; and, for any system or system modification resulting from such efforts, the operational technical characteristics and logistics plans are approved by the Single Manager prior to fielding. In this capacity, the Single Manager ensures that all CREW R&D conforms to an overall DoD CREW architecture.

5. RESPONSIBILITIES.

5.1. The Director, Joint Improvised Explosive Device Defeat Organization (JIEDDO), consistent with DoD Directive 2000.19E (Reference (c)), shall:

5.1.1. Serve as proponent for Military Ground-Based CREW.

5.1.2. Interface with offices within OSD for CREW capability requirements and departmental policy.

5.1.3. Provide a voting representative to the Joint CREW Program Board.

5.1.4. Establish priorities for CREW capabilities and advanced development efforts and provide a voting member to the CREW S&T Board.

5.1.5. Coordinate with the Executive Agent for the execution of the DoD CREW effort and support to interagency CREW initiatives.

5.2. The Heads of the DoD Components, who conduct or resource CREW S&T, development or systems fielding, shall coordinate with JIEDDO and the Executive Agent for development of the annual DoD CREW Technology Plan by providing required information.

5.3. The Secretary of the Navy is hereby designated as the Executive Agent for Military Ground-Based CREW Technology and in that role shall:

5.3.1. Designate a Single Manager for CREW, who shall be a flag grade officer with duties and responsibilities outlined in Enclosure 3.

5.3.2. Provide CREW technology support under DoD Directive 3025.15 (Reference (d)), to elements of the Department of Homeland Security (DHS) (including the U.S. Coast Guard by agreement with DHS, when not operating as a Military Service of the Navy), the Federal Bureau of Investigation, the Central Intelligence Agency, the Federal Aviation Administration, Department of State, and other organizations as designated by the Secretary of Defense, or consistent with applicable law.

5.3.3. Support implementation of JIEDDO priorities for CREW capabilities.

5.3.4. Employ existing joint organizational constructs and processes, to the extent practicable, to achieve management efficiencies. In particular, attention shall be paid to close coordination with the functions and processes employed by the Single Manager for Military Explosive Ordnance Disposal Technology and Training as delineated in DoD Directive 5160.62 (Reference (e)).

5.3.5. Provide a Program Management Office (PMO) for CREW matters which shall:

5.3.5.1. Under the direction of the Navy's Service Acquisition Executive and assigned Program Executive Officer, and in coordination with the Single Manager and the Joint CREW Program Board, provide acquisition management in accordance with the Joint Capabilities Integration and Development System and DoD Instruction 5000.2 (Reference (f)), for all Joint CREW Acquisition efforts (utilizing research, development, test, and evaluation (RDT&E) Budget Activity codes BA-4 through BA-7) including legacy, developmental and product improvements for CREW tools and equipment, up to Milestone C and exclusive of Military Department procurement funding, platform integration, installation, and sustainment.

5.3.5.2. Develop resource requirements and appropriate planning documents for establishment of current and future funding needs, including outyear funding requirements.

5.3.5.3. Provide budget formulation, presentations, and execution funding control and evaluation.

5.3.5.4. Provide for development of training materials and programs by the provision of appropriate technical information for operation and repair of CREW devices, and development of training devices when necessary as determined by the CREW Single Manager and the Joint CREW Program Board.

5.3.5.5. In coordination with the Defense Logistics Agency, maintain a harmonized procurement system of Joint Service CREW tools and equipment, which includes provisioning, sustainment, and depot spares, up to the initial inventory objective, as funded for by individual Military Services.

5.3.6. In coordination with JIEDDO and other DoD officials as appropriate, ensure that CREW Acquisition Programs are supported by research and development facilities that best meet DoD interests and needs as determined by the CREW Single Manager and the Joint CREW Program Board.

5.4. The Secretaries of the Military Departments shall:

5.4.1. Ensure coordination with the Single Manager before the initiation of any CREW technology programs that satisfy Military Service-unique requirements to ensure these programs do not duplicate other DoD CREW technology program efforts. The program's operational technical characteristics and logistics plans shall be approved by the Single Manager prior to fielding, to ensure joint operational interoperability and compatibility. The plans shall ensure compliance with DoD Directive 4650.1 (Reference (g)) and DoD Directive 3222.3 (Reference (h)).

5.4.2. Ensure Program Managers for Airborne CREW systems coordinate their efforts with the Single Manager to ensure interoperability and compatibility of systems prior to fielding.

5.4.3. Designate a Joint CREW Program Board member for each Military Service, who shall be a flag grade officer with responsibilities as specified in Enclosure 2. He or she shall be the single point of contact in each respective Military Service to identify internal requirements for CREW technology and to assist in programming to fulfill these requirements.

5.4.4. Designate a staff officer knowledgeable of CREW requirements to act in an advisory and staff capacity to the Joint CREW Program Board for each Military Service.

5.4.5. Designate a senior officer of each Military Service as a member of the CREW MTAB, with responsibilities as delineated in Enclosure 2.

5.4.6. Designate appropriate representatives to the CREW S&T Board, with responsibilities as delineated in Enclosure 2.

5.4.7. Identify to the CREW Single Manager all Military Service requirements for CREW technology.

5.4.8. Fund for individual Military Service procurement, integration (non-recurring and recurring), installation, and sustainment of developed CREW tools and equipment.

5.5. The Commanders of the Combatant Commands shall identify CREW technology requirements to their appropriate Component Commanders for Military Service identification to the CREW MTAB.

6. PROCEDURES. Enclosures 2 and 3 provide procedural detail for execution of the responsibilities assigned.

7. SUMMARY OF CHANGE 2. This issuance is updated to remove expiration language in accordance with current Chief Management Officer of the Department of Defense direction and to update the office of primary responsibility and organizational titles for accuracy.

8. EFFECTIVE DATE. This Directive is effective immediately.



Gordon England

Enclosures - 3

- E1. References, continued
- E2. Responsibilities of the CREW Boards
- E3. Responsibilities of the CREW Single Manager

E1. ENCLOSURE 1

REFERENCES, continued

- (e) DoD Directive 5160.62, "Single Manager Responsibility for Military Explosive Ordnance Disposal Technology and Training (EODT&T)," April 26, 1989
- (f) DoD Instruction 5000.2, "Operation of the Defense Acquisition System," May 12, 2003
- (g) DoD Directive 4650.1, "Policy for Management and Use of the Electromagnetic Spectrum," June 8, 2004
- (h) DoD Directive 3222.3, "DoD Electromagnetic Environmental Effects (E3) Program," September 8, 2004
- (i) Title 47, Code of Federal Regulations, Chapter III, Part 300, as amended
- (j) DoD Directive 5530.3, "International Agreements," June 11, 1987

E2. ENCLOSURE 2

RESPONSIBILITIES OF THE CREW BOARDS

E2.1. The Joint CREW Program Board shall:

E2.1.1. Be chaired by the Single Manager and comprised of flag grade officers from each of the Military Services and a voting JIEDDO flag-level representative.

E2.1.2. Provide CREW technology oversight, preclude duplication of effort, and undertake resolution of problems on CREW technology for the Department of Defense.

E2.1.3. Ensure that all CREW technology programs conform to an overall DoD CREW architecture that accounts for interoperability with other DoD and allies' CREW systems and compatibility with DoD command, control, and communications equipment, as well as other electronic warfare systems.

E2.1.4. Ensure that all CREW technology programs submit requests for frequency approval via command channels to the cognizant military frequency management office to ensure that CREW technology programs comply with U.S. national and Outside Continental U.S. host-nation spectrum management policies in accordance with Reference (g) and Title 47, Code of Federal Regulations, Part 300 (Reference (i)). CREW technology programs will also require electromagnetic environmental effects analysis to quantify the mutual effects of CREW technology programs within all intended operational electromagnetic environments in accordance with Reference (h).

E2.1.5. Serve as the Military Services' focal point and voice to identify CREW technology program requirements, to validate Joint CREW requirements, and to ensure Military Services' planning, programming, and budgeting processes support procurement of CREW technology to meet warfighting requirements.

E2.1.6. Provide recommendations to the Deputy Secretary of Defense on behalf of the Executive Agent, in coordination with the Director, JIEDDO on CREW technology policy and issues of concern.

E2.1.7. Review and endorse the annual CREW technology program content, plan, and budget to the Deputy Secretary of Defense on behalf of the Executive Agent in coordination with the Director, JIEDDO.

E2.2. The CREW MTAB, as authorized by the Joint CREW Program Board, shall:

E2.2.1. Identify Military Service requirements for CREW technology; validate joint CREW technology requirements; recommend courses of action to satisfy technology requirements; and approve CREW technology developed tools and/or equipment, techniques, training procedures, and publications for Joint use.

E2.2.2. Be composed of senior officers appointed by the Military Services with a chair (rotated on an annual basis among the Military Services) and a member from each of the other Military Services. The Chair, Explosive Ordnance Disposal (EOD) MTAB, shall be a member to identify joint EOD requirements for CREW.

E2.3. The CREW S&T Board, as authorized by the Joint CREW Program Board, shall:

E2.3.1. Review all CREW S&T within the Department of Defense, providing oversight to ensure coordination of effort, to identify and resolve CREW issues or elevate them to the Joint CREW Program Board, and to provide the annual CREW Technology Plan for the Executive Manager.

E2.3.2. Be composed of members identified by the DoD Components and shall include representation from all activities engaged in CREW S&T.

E3. ENCLOSURE 3

RESPONSIBILITIES OF THE CREW SINGLE MANAGER

E3.1. As Single Manager for Military Ground-Based CREW Technology, provide support to, and represent, the Executive Agent in the execution of his responsibilities as described in this Directive.

E3.2. Provide for the standardization of CREW tools, equipment, documentation and procedures among the Military Services to ensure interoperability and maximize efficient utilization of DoD research, development, test, and evaluation funding and other resources.

E3.3. Ensure that integrated logistics support plans and documentation, as identified in Reference (f), for new or product-improved Joint CREW tools and/or equipment are included in the Joint CREW Acquisition Program. The plans shall ensure compliance with References (g) and (h).

E3.4. For all Ground-Based CREW programs review and approve their operational technical characteristics and logistics plans prior to fielding to ensure joint operational interoperability and compatibility between relevant DoD systems and equipment.

E3.5. Serve as the primary DoD source contact for international exchange agreements (including the North Atlantic Treaty Organization) on CREW technology issues and to support requests from coalition partners and foreign military sales cases for CREW technology, consistent with DoD Directive 5530.3 (Reference (j)).

E3.6. Provide for technical development, validation, preparation, Joint Service verification, Joint Service approval, and distribution of all CREW procedures, technical information, texts, graphic aids, manuals, and bulletins necessary for the initial fielding of CREW tools and equipment.

E3.7. Chair the Joint CREW Program Board.

E3.8. Direct the efforts of CREW MTAB and the CREW S&T Board, and provide applicable guidance to the CREW PMO.

E3.9. Coordinate the technical exploitation of RCIED for identification of requirements for CREW capabilities with the Director, Defense Intelligence Agency, as the lead for Weapons Technical Intelligence, consistent with Reference (c).

E3.10. Through the Executive Agent, prepare and report annual plans and programs in support of CREW, to include technology roadmaps that identify program interfaces and transitions, to the Director, JIEDDO, and the Deputy Secretary of Defense.

E3.11. Consult with the Under Secretary of Defense for Intelligence during the development of CREW technology to support interoperable technology development where possible.