



# Department of Defense

## **DIRECTIVE**

**NUMBER 4715.1E**

March 19, 2005

Incorporating Change 2, December 30 2019

USD(A&S)

**SUBJECT:** Environment, Safety, and Occupational Health (ESOH)

- References:
- (a) DoD Directive 4715.1, "Environmental Security," February 24, 1996 (hereby canceled)
  - (b) Defense Installations Strategic Plan<sup>1</sup>
  - (c) DoD Directive 5134.1, "Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L))," April 21, 2000
  - (d) Executive Order 13101, "Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition," September 14, 1998
  - (e) Executive Order 12196, "Occupational Safety and Health Programs for Federal Employees," February 26, 1980
  - (f) DoD Directive 5101.1, "DoD Executive Agent," September 3, 2002
  - (g) Deputy Secretary of Defense Memorandum, "Establishment of the Office of the Under Secretary of Defense for Research and Engineering and the Office of the Under Secretary of Defense for Acquisition and Sustainment," July 13, 2018
  - (h) DoD Instruction 4150.07, "DoD Pest Management Program," December 26, 2019

### 1. REISSUANCE AND PURPOSE

This Directive reissues reference (a) and establishes policies on Environment, Safety, and Occupational Health (ESOH) to sustain and improve the DoD mission.

### 2. APPLICABILITY AND SCOPE

This Directive applies to:

2.1. The Office of the Secretary of Defense (OSD), the Military Departments (including their Reserve components), 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 in the Department of Defense (hereafter referred to collectively as the "DoD Components").

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<sup>1</sup> Available from the Office of the Deputy Under Secretary of Defense (Installations and Environment) or on [www.acq.osd.mil/ie](http://www.acq.osd.mil/ie)

2.2. DoD operations, activities, and installations worldwide, including Government-owned, contractor-operated facilities and non-DoD activities operating on DoD installations.

2.3. Pollution prevention, compliance, conservation, restoration, munitions response, safety, occupational health, environmental health, explosives safety, fire and emergency services, pest management, environmental technology, and international activities.

### 3. DEFINITIONS

Terms used in this Directive are defined in enclosure 1.

### 4. POLICY

It is DoD policy:

4.1. To manage and apply the Department of Defense's installation assets to sustain the DoD national defense mission.

4.2. To use the vision, mission, and goals of the Department of Defense's Defense Installations Strategic Plan (reference (b)) to guide ESOH decision-making.

4.3. To use ESOH management systems in mission planning and execution across all military operations and activities, including acquisition, procurement, logistics, and facility management.

4.4. To ensure that all organizations plan, program, and budget to manage the ESOH risks that their activities generate.

4.5. To evaluate all activities for current and emerging ESOH resource requirements and make prudent investments in initiatives that support mission accomplishment, enhance readiness, reduce future funding needs, prevent pollution, prevent illness and injury, ensure cost-effective compliance, and maximize the existing resource capability.

4.6. To ensure, through a host-tenant agreement or otherwise, that all DoD tenants and non-DoD tenants comply with all applicable laws and DoD policies relating to ESOH requirements. For overseas installations, commanders shall implement this policy to the extent possible under stationing and international agreements.

4.7. To protect DoD personnel from accidental death, injury, or occupational illness.

4.8. To protect the public from risk of death, injury, illness, or property damage because of DoD activities.

4.9. To establish and maintain open and productive ESOH dialogue:

4.9.1. In the United States, with Federal, State, inter-State, Indian tribal, and local officials; the public; and private organizations.

4.9.2. Outside the United States, with host nation governments and, as appropriate, other foreign governments and relevant international organizations.

## 5. RESPONSIBILITIES

5.1. The Under Secretary of Defense for Acquisition, Technology, and Logistics USD(AT&L) shall:

5.1.1. Establish goals, objectives, guidance, and procedures for ESOH aspects of the DoD mission, as authorized by DoD Directive 5134.1 (reference (c)).

5.1.2. Delegate ESOH-related authorities assigned in this Directive and reference (c), as required for efficient program execution.

5.1.3. Support the operational mission by establishing objectives, guidance, and procedures requiring:

5.1.3.1. Management of ESOH assets to cost-effectively sustain mission capability.

5.1.3.2. Identification of ESOH asset requirements.

5.1.3.3. Measurement and reporting of ESOH performance.

5.1.4. Identify and analyze operational and financial risks of emerging ESOH issues.

5.1.5. Issue ESOH asset management policy for use by the DoD Components in planning, programming, and budgeting, including recommendations concerning the occupational health aspects of the Defense Health Program (DHP).

5.1.6. Provide oversight for DoD ESOH programs as follows:

5.1.6.1. Establish processes to measure, audit, and report internally and externally on DoD ESOH performance across all functional areas and activities.

5.1.6.2. Validate the DoD Components' resource requirements within ESOH asset management programs.

5.1.6.3. Conduct annual ESOH program reviews with the DoD Components.

5.1.6.4. Review ESOH asset management performance relative to established metrics at least annually.

5.1.6.5. Monitor occupational health and environmental health program execution and notify the Assistant Secretary of Defense for Health Affairs (ASD(HA)), under the Under Secretary of Defense for Personnel and Readiness (USD(P&R)), of any discrepancies.

5.1.6.6. Conduct quarterly DHP budget execution reviews.

5.1.6.7. Initiate corrective action for discrepancies found through oversight activities of ESOH asset management.

5.1.6.8. Request focused program evaluations from the DoD Inspector General, as needed.

5.1.6.9. Ensure productive use of ESOH Corporate Information Management processes through the Defense Environmental Information Technology Management Program.

5.1.7. Establish an OSD-level ESOH management review process involving DoD leadership to oversee ESOH performance and support continual improvement of mission and DoD-wide ESOH performance.

5.1.8. Support the Security Cooperation Guidance and Strategy of the Secretary of Defense through the Defense Environmental International Cooperation Program and other related international activities, consistent with national security policy.

5.1.9. Select and appoint the Chair of the DoD Explosives Safety Board (DDESB).

5.1.10. Designate the Agency Environmental Executive pursuant to Executive Order (E.O.) 13101 (reference (d)).

5.1.11. Designate the Deputy Under Secretary of Defense (Installations and Environment) (DUSD(I&E)) to serve as the DoD Designated Agency Safety and Health Official in accordance with E.O. 12196 (reference (e)).

5.1.12. Support the Defense Safety Oversight Council, chaired by the USD(P&R).

5.1.13. Designate the USD(AT&L) co-chair of the Sustainable Ranges Integrated Product Team.

5.1.14. Nominate, in accordance with DoD Directive 5101.1 (reference (f)), the Secretary of a Military Department to serve as the DoD Executive Agent for Environmental Coordination in each of the 10 standard Federal Environmental Protection Agency regions.

5.1.15. In accordance with reference (f), nominate DoD Executive Agents for ESOH activities worldwide, as needed.

5.1.16. Designate a focal point for DoD Executive Agent oversight requirements for ESOH, in accordance with reference (f).

5.1.17. Resolve ESOH management issues and disputes between or among the DoD Components or between DoD and non-DoD organizations or individuals that may not be resolved at lower organizational levels.

5.1.18. Maintain an awards program recognizing outstanding ESOH achievements in support of the DoD mission.

5.1.19. Report annually to the Secretary of Defense on DoD ESOH performance.

5.2. The Deputy Under Secretary of Defense for Logistics and Materiel Readiness, under the USD(AT&L), shall establish objectives, guidance, and procedures requiring:

5.2.1. Control of ESOH risks for all end-to-end supply chain, transportation, and maintenance organizations.

5.2.2. Identification and management of ESOH asset requirements across all logistics operations.

5.2.3. Measurement and reporting of ESOH asset management performance for all end-to-end supply chain, transportation, and maintenance organizations.

5.3. The Director, Defense Procurement and Acquisition Policy (DP&AP), under the USD(AT&L), shall:

5.3.1. Establish objectives, guidance, and procedures requiring:

5.3.1.1. Identification and management of ESOH asset requirements across all DP&AP organizations.

5.3.1.2. Control of DP&AP operations to effectively manage ESOH risks and ensure DoD compliance with Federal Affirmative Procurement requirements, cited in reference (d).

5.3.1.3. Measurement and reporting of ESOH asset management performance across all DP&AP organizations.

5.3.2. Participate in USD(AT&L) management reviews of ESOH asset management performance.

5.4. The Director, Defense Research and Engineering (DDR&E), under the USD(AT&L), shall:

5.4.1. Establish objectives, guidance, and procedures for:

5.4.1.1. Control of DDR&E operations to effectively manage ESOH risks.

5.4.1.2. Identification and management of ESOH asset requirements across all DDR&E organizations.

5.4.1.3. Measurement and reporting of ESOH asset management performance across all DDR&E organizations.

5.4.2. Develop and oversee a science and technology investment strategy to address the ESOH technology requirements defined by the DUSD(I&E) and the DoD Components.

5.4.3. Participate in USD(AT&L) management reviews of ESOH asset management performance.

5.5. The Under Secretary of Defense for Personnel and Readiness shall:

5.5.1. Ensure the ASD(HA):

5.5.1.1. Programs, budgets, and monitors execution of DHP resources for the occupational health program within available fiscal guidance and overall DHP priorities.

5.5.1.2. Monitors occupational health resources to ensure that they are properly expended.

5.5.1.3. Informs the USD(AT&L) of any occupational health program execution discrepancies.

5.5.2. Establish objectives, guidance, and procedures requiring:

5.5.2.1. Control of USD(P&R) operations to manage ESOH risks.

5.5.2.2. Identification of ESOH asset management requirements across all USD(P&R) organizations.

5.5.2.3. Measurement and reporting of ESOH asset management performance across all USD(P&R) organizations.

5.5.3. Chair the Defense Safety Oversight Council.

5.5.4. Participate in USD(AT&L) management reviews of ESOH asset management performance.

5.6. The Under Secretary of Defense (Comptroller) shall:

5.6.1. Establish objectives, guidance, requirements, and procedures requiring identification of ESOH costs across all functional areas.

5.6.2. Establish ESOH programming and budgeting policy incorporating statutory and regulatory drivers, mission priorities, emerging issues, and funding responsibility aligned with management authority for mission activities entailing ESOH risks.

5.7. The Director, Operational Test and Evaluation (DOT&E), shall establish objectives, guidance, and procedures requiring:

5.7.1. Consideration of ESOH risks in test and evaluation planning.

5.7.2. Participation in USD(AT&L) management reviews of ESOH asset management performance.

5.7.3. Identification and management of the Major Range Test Facility Base ESOH asset management requirements.

5.8. The OSD Principal Staff Assistants shall ensure all matters that affect ESOH management policies are coordinated with the USD(AT&L).

5.9. The Heads of the DoD Components shall:

5.9.1. Implement this Directive and any implementing guidance.

5.9.2. Use the vision, mission, and goals of reference (b) to guide ESOH decision-making.

5.9.3. Provide and maintain a sufficient number of personnel trained to form a knowledge-based workforce capable of effectively managing ESOH aspects of the Department of Defense's mission.

5.9.4. Implement ESOH management system(s), in compliance with this Directive, that best suit their mission needs.

5.9.5. Plan, program, and budget for ESOH resource requirements.

5.9.6. Maintain readiness by cost-effectively providing adequate natural infrastructure to support mission completion and sustainable living and working environments.

5.9.7. Ensure that activities under their purview conduct reviews of ESOH asset management performance at least annually to ensure continual improvement of the system and mission performance. Corrective actions shall be documented and tracked through completion.

5.9.8. Ensure through host-tenant agreements or otherwise that all DoD tenants and non-DoD tenants are required to comply with applicable ESOH laws, regulations, and DoD policies.

5.9.9. Negotiate, approve, and sign compliance and other types of regulatory agreements consistent with DoD guidance, keeping the OSD and the other affected DoD Components

informed in advance of potentially precedential decisions. Delegate these duties as required for efficient compliance agreement execution.


5.9.10. Participate in the selection and prioritization process for ESOH technology requirements in coordination with the DUSD(I&E).

5.9.11. Assign representation to the DDESB Secretariat staff.

6. SUMMARY OF CHANGE 2. This change is administrative. It removes guidance regarding the Armed Forces Pest Management Board in accordance with the reissuance of DoD Instruction 4150.07 (Reference (h)) and updates references.

7. EFFECTIVE DATE

This Directive is effective immediately.

  
Paul Wolfowitz  
Deputy Secretary of Defense

Enclosures – 1  
E1. Definitions



## E1. ENCLOSURE 1

### DEFINITIONS

E1.1.1. Compliance. Meeting applicable statutory, E.O., and regulatory standards, including standards for protection of human health and the environment for DoD operations in foreign countries, applicable international agreement requirements, and the requirements of DoD policy.

E1.1.2. Environment. Air, water, land, living things, built infrastructure, cultural resources, and the interrelationships that exist among them.

E1.1.3. Environmental Health. The programs, activities and subsequent risk determination associated with the anticipation, recognition, evaluation, and potential control of hazards identified within the media of the environment. Environmental Health focuses on the reduction or mitigation of the health hazards identified in the operational and/or garrison environment.

E1.1.4. Environment, Safety, and Occupational Health (ESOH) Aspects. Any part of an organization's mission activities that may impact installation assets or adjacent communities, but not including combat.

E1.1.5. ESOH Assets. The workforce and natural infrastructure. A subset of the installation assets necessary to support operational capability over perpetual useful life.

E1.1.6. ESOH Management. Sustaining the readiness of the U.S. Armed Forces by cost-effectively maintaining all installation assets through promotion of safety, protection of human health, and protection and restoration of the environment.

E1.1.7. Host Nation. A foreign nation in which DoD personnel are present with the consent of the foreign government.

E1.1.8. Installation Assets. ESOH assets, living things, built infrastructure, and cultural resources associated with owning, managing, and operating an installation.

E1.1.9. International Activities. DoD activities taking place outside the United States that affect installation assets, operations (excluding actual combat), or exercises and may have an ESOH component. International activities include bilateral or multilateral negotiations, Security Cooperation activities, information exchanges, and military activities for basing, exercises, and operations outside the United States.

E1.1.10. Munitions Response. Response actions, including investigation, removal actions, and remedial actions to address the explosives safety, human health, or environmental risks presented by unexploded ordnance, discarded military munitions, or munitions constituents.

E1.1.11. Natural Infrastructure. All natural resources (air, water, and land) that the Department of Defense operates in or controls. A subset of ESOH assets.

E1.1.12. Occupational Health. Activities directed toward anticipation, recognition, evaluation, and control of potential occupational and environmental health hazards; preventing injuries and illness of personnel during operations; and accomplishment of mission at acceptable levels of risk.

E1.1.13. OSD Principal Staff Assistants. The Under Secretaries of Defense, the DDR&E, the Assistant Secretaries of Defense, the General Counsel of the Department of Defense, the Inspector General of the Department of Defense, the DOT&E, the Assistants to the Secretary of Defense, certain Deputy Under Secretaries of Defense, and the OSD Directors or equivalents who report directly to the Secretary or the Deputy Secretary of Defense.

E1.1.13. Resource Capability. The amount of natural, built, and workforce resources available to meet current and future mission requirements.

E1.1.14. Safety. The programs, risk management activities, and organizational and cultural values dedicated to preventing injuries and accidental loss of human and material resources, and to protecting the environment from the damaging effects of DoD mishaps.

E1.1.15. United States. As used in this Directive, the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, the Commonwealth of the Northern Marianas Islands, the U.S. Virgin Islands, Guam, American Samoa, Johnston Atoll, Kingman Reef, Midway Island, Nassau Island, Palmyra Island, Wake Island, and any other territory or possession of the United States, and associated navigable waters, including the territorial seas.