



Department of Defense

INSTRUCTION

NUMBER 5000.67
January 25, 2008

USD(AT&L)

SUBJECT: Prevention and Mitigation of Corrosion on DoD Military Equipment and Infrastructure

- References:
- (a) Section 2228 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) Deputy Secretary of Defense Memorandum, "Delegation of Corrosion Official for the Department of Defense," May 8, 2003¹
 - (d) DoD Corrosion Prevention and Mitigation Strategic Plan, 1 June 2007²
 - (e) through (j), see Enclosure

1. PURPOSE

This Instruction establishes policy, assigns responsibilities, and prescribes procedures under References (a) and (b) to:

1.1. Provide guidance by assigning responsibilities for the establishment and management of programs to prevent or mitigate corrosion of DoD military equipment and infrastructure.

1.2. Assign responsibilities for the DoD Corrosion Executive and the Secretaries of the Military Departments.

1.3. Designate a DoD Corrosion Executive responsible, in accordance with Reference (c), to:

1.3.1. Develop and recommend corrosion prevention and mitigating policy and guidance.

¹ Available at: www.corrdefense.org, Search, type "Corrosion Official"

² Available at: www.corrdefense.org, Search, type "Prevention and Mitigation Strategic Plan"

1.3.2. Review corrosion programs and corrosion-related research, development, test, and evaluation (RDT&E) funding levels of each Military Department and Defense Agency under the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L)).

1.3.3. Monitor and coordinate DoD efforts to prevent or mitigate corrosion during the acquisition and sustainment cycles of military equipment and infrastructure.

1.3.4. Monitor acquisition practices to ensure use of corrosion prevention technologies.

1.3.5. Develop a long-term strategy to reduce corrosion and the effects of corrosion on military equipment and infrastructure according to the DoD Corrosion Prevention and Mitigation Strategic Plan (Reference (d)).

2. APPLICABILITY

This Instruction applies to the Office of the Secretary of Defense, the Military Departments, the Office of the Chairman of the Joint Chiefs of Staff, the Combat 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 collectively referred to as “DoD Components”).

3. DEFINITIONS

3.1. Corrosion. The deterioration of a material or its properties due to a reaction of that material with its chemical environment.

3.2. Military equipment. Includes all weapon systems, weapon platforms, vehicles, and munitions of the Department of Defense and the components of such items.

3.3. Infrastructure. All buildings, structures, airfields, port facilities, surface and subterranean utility systems, heating and cooling systems, fuel tanks, pavements, and bridges.

4. POLICY

It is DoD policy that:

4.1. Trade-off decisions involving cost, useful service life, and effectiveness shall address corrosion prevention and mitigation in accordance with paragraph E1.1.17. of DoD Directive 5000.01 (Reference (e)).

4.2. Corrosion prevention and control (CPC) programs and preservation techniques shall be implemented throughout the life cycle of all military equipment and infrastructure in accordance with this Instruction.

4.3. CPC reporting for military equipment shall provide for data collection, archiving, and feedback. Conclusions and recommendations drawn from this information shall be used to address CPC as well as related logistics and readiness issues in accordance with paragraph 3.3.7. of DoD Directive 4151.18 (Reference (f)).

4.4. For acquisition category (ACAT) I programs, a review and evaluation of corrosion planning shall be a topic for the Overarching Integrated Product Team, with issues raised to the Defense Acquisition Board in accordance with USD(AT&L) guidance (Reference (g)). ACAT program criteria are contained in Reference (h).

4.5. During the annual internal DoD budget process, the Military Departments shall submit information on the proposed corrosion programs and corrosion-related RDT&E funding levels to the DoD Corrosion Executive in accordance with Reference (a).

5. RESPONSIBILITIES

5.1. The USD(AT&L) is the DoD Corrosion Executive, and in that capacity shall:

5.1.1. Oversee and coordinate efforts throughout the Department of Defense to prevent and mitigate corrosion of military equipment and infrastructure.

5.1.2. Develop and establish policy and guidance on the prevention and mitigation of corrosion.

5.1.3. Annually report recommendations to the Secretary of Defense pertaining to the Military Departments' corrosion prevention and mitigation programs and corrosion-related RDT&E funding levels as required by Reference (a).

5.1.4. Provide oversight and coordination of the efforts within the Department of Defense to prevent or mitigate corrosion during:

5.1.4.1. The design, acquisition, and maintenance of military equipment.

5.1.4.2. The design, construction, and maintenance of military infrastructure.

5.1.5. Designate an individual to be the Special Assistant for Corrosion Policy and Oversight (SA/CPO). The SA/CPO shall head the CPC Integrated Product Team (IPT).

5.1.6. Develop and implement an overarching, long-term corrosion prevention and mitigation strategy. The strategy shall be reviewed at least annually and provide for:

5.1.6.1. Expansion of the emphasis on corrosion prevention and mitigation within the Department of Defense for military equipment and infrastructure in accordance with paragraph (c)(2)(A) of Reference (a).

5.1.6.2. Uniform application throughout the Department of Defense of an evaluation process that accounts for common and Military Department-unique requirements and criteria for the testing and certification of new corrosion-prevention materials and processing technologies for equipment and infrastructure with similar characteristics, missions, or operating environments in accordance with paragraph (c)(2)(B) of Reference (a).

5.1.6.3. Implementation of programs - including archival of supporting information packages and databases - to ensure a focused and coordinated approach throughout the Department of Defense to collect, review, validate, and distribute information on proven methods and products for corrosion prevention of military equipment and infrastructure in accordance with paragraph (c)(2)(C) of Reference (a).

5.1.6.4. Establishment of a coordinated research and development program for the prevention and mitigation of corrosion for new and existing military equipment and infrastructure. Include a plan to transition new corrosion prevention technologies into operational systems in accordance with paragraph (c)(2)(D) of Reference (a).

5.1.7. Establish a set of performance measures and milestones to manage the program and quantify results.

5.1.8. Accomplish cost of corrosion baseline studies with recurring assessments provided to the Military Departments and USD(AT&L) Defense Agencies.

5.2. The Secretaries of the Military Departments shall:

5.2.1. Oversee and coordinate efforts throughout their respective Military Departments to prevent and mitigate corrosion of military equipment and infrastructure.

5.2.2. Designate a senior individual to execute the responsibilities for corrosion matters and to coordinate with SA/CPO.

5.2.3. Provide to the DoD Corrosion Executive, through the SA/CPO, information on proposed corrosion programs and corrosion-related RDT&E funding levels as described in paragraph 5.1.3. and in accordance with Reference (a). This includes establishing responsibilities and methods for collecting and submitting the data.

5.2.4. Establish a process to review and evaluate the adequacy of corrosion planning, and require that program and project managers consider and implement corrosion prevention and mitigation planning to minimize the impact of corrosion throughout the system and infrastructure life cycle.

5.2.4.1. For military equipment:

5.2.4.1.1. Develop procedures for corrosion planning, process implementation, management, review, and documentation of results.

5.2.4.1.2. Establish and maintain a corrosion prevention and mitigation reporting system for data collection and feedback.

5.2.4.1.3. Establish a process to review and evaluate corrosion for all development, acquisition, and sustainment contracts requiring an acquisition plan.

5.2.4.2. For infrastructure:

5.2.4.2.1. For all sustainment, restoration, modernization, or new construction projects, regardless of appropriation, establish a process to review and evaluate corrosion planning in accordance with Deputy Under Secretary of Defense for Installations and Environment guidance (Reference (i)).

5.2.4.2.2. Establish and maintain a process to collect information on the results, to include costs and estimated cost avoidance, of corrosion prevention and mitigation activities. This information will be available for use within each Military Department to monitor the effectiveness of each Department's respective corrosion prevention and mitigation program.

5.2.5. Support the CPC IPT process by:

5.2.5.1. Designating qualified representatives to the CPC IPT.

5.2.5.2. Submitting candidate military equipment and infrastructure corrosion prevention and mitigation projects during the annual project data call.

5.2.5.3. Implementing standardized DoD product qualification requirements.

5.2.5.4. Reviewing the results and assessments from the cost of corrosion baseline studies to support corrosion prevention and mitigation activities.

6. INFORMATION REQUIREMENTS

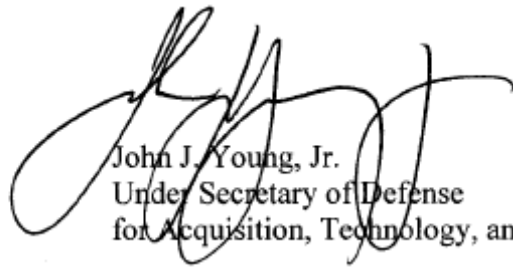
The annual report to the Secretary of Defense prescribed by paragraph 5.1.3. has been assigned Report Control Symbol DD-AT&L(A) 2309 in accordance with DoD 8910.1-M (Reference (j)).

7. RELEASABILITY

UNLIMITED. This Instruction is approved for public release. Copies may be obtained through the Internet from the DoD Issuances Web site at <http://www.dtic.mil/whs/directives>.

8. EFFECTIVE DATE

This Instruction is effective immediately.



John J. Young, Jr.
Under Secretary of Defense
for Acquisition, Technology, and Logistics

Enclosure - 1

E1. References, continued

E1. ENCLOSURE 1

REFERENCES, continued

- (e) DoD Directive 5000.01, "The Defense Acquisition System," May 12, 2003
- (f) DoD Directive 4151.18, "Maintenance of Military Materiel," March 31, 2004
- (g) Under Secretary of Defense for Acquisition, Technology and Logistics Memorandum, "Corrosion Prevention and Control," November 12, 2003³
- (h) DoD Instruction 5000.2, "Operation of the Defense Acquisition System," May 12, 2003
- (i) Deputy Under Secretary of Defense for Installations and Environment Memorandum, "Facility Corrosion Prevention and Control," March 10, 2005⁴
- (j) DoD 8910.1-M, "Department of Defense Procedures for Management of Information Requirements," June 30, 1998

³ Available at: www.corrdefense.org, Search, type "CPC Policy Memorandum"

⁴ Available at: www.corrdefense.org, Search, type "Facility Corrosion Prevention & Control Memorandum, DUSD I&E"