

## DATA ITEM DESCRIPTION

**Title:** HAZARDOUS MATERIALS MANAGEMENT PROGRAM (HMMP) REPORT USING NAS 411

**Number:** DI-MISC-81397B

**AMSC Number:** F9242

**DTIC Applicable:** Yes

DTIC Midwestern Regional Office

ATTN: DTIC-BPD, Rm. 103

2245 Monahan Way, Bldg 29

Wright-Patterson AFB OH 45433-7022

**Approved Date:** 20110930

**Limitation:** N/A

**GIDEP Applicable:** Yes

GIDEP Operations Center

Naval Warfare Assessment Center

P.O. Box 8000

Corona CA 91718-8000

**Office of Primary Responsibility:** 11

**Applicable Forms:** N/A

**Use/Relationship:** The Hazardous Materials Management Program (HMMP) Report will be used to document the results of contractor's efforts to eliminate or reduce the use of hazardous materials in the system, system component or support item being acquired.

- a. This data will be used to reduce hazard risk and life cycle ESOH costs. The data will also enable compliance with the requirements of relevant laws and presidential executive orders, including the National Environmental Policy Act, and the regulations that implement those laws and orders.
- b. This DID contains the format, content, and intended use information for the data resulting from the work task described in paragraph 4.4, including subparagraphs 4.4.1 through 4.4.3, of Aerospace Industries Association/National Aerospace Standard (NAS) 411.
  - 1) The HMMP Report shall address hazardous materials imbedded in the system, produced by the system, and used or created by operation and maintenance of the system.
  - 2) The basis for priority determination (NAS 411, paragraph 4.4.2) shall be the MIL-STD-882 risk level determination for each material hazard.
  - 3) The report shall additionally describe the reasonably anticipated hazardous waste(s) generated during normal O&M and emergency situations.
- c. When hexavalent chromium ( $\text{Cr}^{6+}$ ) use is planned, the HMMP Report will address the following topics:
  - 1) Cost effectiveness of alternative materials or processes over weapon life cycle.
  - 2) Technical feasibility of alternative materials or processes.
  - 3) Risks associated with the use of the  $\text{Cr}^{6+}$  or substitute materials in each specific application (use MIL-STD-882 system safety process).
  - 4) Achieving a Manufacturing Readiness Level of at least 8 for any qualified alternative.
  - 5) Material availability of  $\text{Cr}^{6+}$  and the proposed alternative over the projected life cycle of the system.
  - 6) Corrosion performance difference of alternative materials processes compared with  $\text{Cr}^{6+}$ .

d. The Report shall document risk mitigations including 1) special hazardous material training, handling, and storage requirements and 2) safe hazardous material requirements for demilitarization and disposal.

e. DI-MISC-81397B supersedes DI-MISC-81397A. It is intended for use by system acquisition Program Offices responsible for modifying systems where NAS 411 was used previously.

**Requirements:**

1. Reference documents. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as specified in the contract.

2. Format. The HMMP Report shall be in the contractor's format.

3. Content. The HMMP Report shall include the information required by paragraph 4.4 of NAS 411, including all subparagraphs, identify the hazardous materials and wastes created by operation and maintenance of the system and identify  $\text{Cr}^{6+}$  and material substitute data.

**4. End of DI-MISC 81397B.**

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.