

FED. SUPPLY CLASS

HAZARDOUS MATERIALS MANAGEMENT PROGRAM

STANDARD PRACTICE



AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
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1. HAZARDOUS MATERIALS MANAGEMENT PROGRAM

1.1 Scope

This National Aerospace Standard (NAS) 411 was created by the Aerospace Industries Association (AIA) as an industry standard to manage hazardous material (HAZMAT) used in Products and Services (see definition in Section 2.2). As appropriate, NAS411 requirements can be applied to all Products and Services lifecycle phases, e.g. Materiel Solution Analysis, Technology Maturation and Risk Reduction, Engineering and Manufacturing Development, Production and Deployment, Operations and Support, and Disposal.

The Hazardous Materials Management Program (HMMP) is the process to ensure appropriate consideration is given to the systematic identification, evaluation, elimination or minimization of HAZMAT risks to human health or the environment (including risks of violating related and applicable regulatory requirements), and to identify measures to appropriately control such risks that are not eliminated. Unless otherwise noted, the process includes risks attributed to products, systems, components and associated contractor-specified support materials (e.g. paints, sealants, lubricating oils, etc.) throughout all phases of the Products and Services life cycle. The emphasis of the HMMP is on eliminating or minimizing HAZMAT-related risks early in the design of Products and Services. The use of the term "Hazardous Material Management Program" is consistent with the performance requirements of the "Hazardous Material Management Plan", as used in MIL-STD-882.

The application of NAS411 shall only cover those lifecycle phases, applicable to Products and Services that are specifically cited in the contract. HAZMAT used for production or manufacturing will only be included in the scope of the HMMP when specifically required by contract. Specific HAZMAT may be excluded from the scope of the HMMP, if identified as such in a contract or in a specification for Products and Services.

1.2 Purpose

The purpose of the HMMP is to influence the design and planning of Products and Services in order to eliminate or minimize HAZMAT risks, and control any remaining risks for the protection of human health and the environment. This standard is intended to be consistent with other similar standards such as MIL-STD-882 and to achieve contract compliance in a manner that maintains a balanced consideration of meeting cost, schedule, and performance requirements while minimizing HAZMAT risks. Risks associated with HAZMAT include, but are not limited to:

- Potential adverse impacts related to the hazards of materials to people, environment, and equipment;
- Restrictions on the use, operations and support of, or disposition of covered products; or
- Restrictions on chemicals used in the performance of services.

1.3 Tailoring

Tasks described in NAS411 shall be tailored to meet customer requirements. The applicable tasks shall be negotiated with the contractor based upon contract requirements.

1.4 Consistency

Tasks described herein should be consistently applied across contractor programs, as appropriate to allow uniformity in practices and processes. Tasks performed after system delivery may be performed on a contract-by-contract basis in accordance with the contract statement of work.

1.5 Compatibility with Existing Regulations

Unless format and/or content are specified in a given contract, the contractor may satisfy HMMP data requirements by referencing or submitting data in the format already required by regulation or statute or in contractor format.

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1.6 Creating a HAZMAT List

HAZMATs targeted for restrictions, reductions and/or reporting requirements under an HMMP should be classified into three categories, Prohibited, Restricted, or Tracked (see definitions in section 2). The customer should communicate their preferences in an initial HAZMAT list provided in solicitations for Products and Services. The final HAZMAT List is developed collaboratively between the customer and the contractor during the contracting process and reflects both the needs of the customer and the capabilities of the contractor.

The customer's Contracting Officer (CO) shall designate the representative(s) who has/have the authority to approve the use of Prohibited HAZMAT and shall communicate the process for requesting approval for the use of Prohibited HAZMAT.

2. **ACRONYMS AND DEFINITIONS**

2.1 Acronyms

The acronyms used in this NAS411 are defined as follows:

a.	AIA	Aerospace Industries Association
b.	CAGE	Commercial and Government Entity
c.	CAS	Chemical Abstracts Service
d.	CFR	Code of Federal Regulations
e.	CO	Contracting Officer
f.	DLSC	Defense Logistics Service Center
g.	DOD	Department of Defense
h.	ESOH	Environment, Safety, and Occupational Health
i.	HAZMAT	Hazardous Material
j.	HMIRS	Hazardous Material Information Resource System
k.	HMMP	Hazardous Materials Management Program
l.	LPD	Logistics Product Data
m.	LSA	Logistics Support Analysis
n.	MSDS	Material Safety Data Sheet
o.	NAS	National Aerospace Standard
p.	NSN	National Stock Number
q.	OSHA	Occupational Safety and Health Administration
r.	PPE	Personal Protective Equipment
s.	SDS	Safety Data Sheet
t.	SMCC	Special Material Content Code

2.2 Definitions

The following definitions apply:

2.2.1 Contracting Officer (CO)

A person with the authority to enter into, administer, and/or terminate contracts on behalf of the customer or contractor.

2.2.2 Environment, Safety, and Occupational Health (ESOH)

An acronym that refers to the combination of disciplines that encompass the processes and approaches for addressing laws, regulations, Executive Orders (EO), DoD policies, environmental compliance, and hazards associated with environmental impacts, system safety (e.g., platforms, systems, system-of-systems, weapons, explosives, software, ordnance, combat systems), occupational safety and health, hazardous materials management, and pollution prevention.

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