

DATA ITEM DESCRIPTION

Title: EXPLOSIVE HAZARD CLASSIFICATION DATA REPORT (EHCDR)

Number: DI-SAFT-81299C

Approved Date: 20150612

AMSC Number: F9556

Limitation: N/A

DTIC Applicable: No

GIDEP Applicable: No

Preparing Activity: 40 (AFMC/SE)

Project Number: SAFT-2015-009

Applicable Forms: N/A

Use/Relationship: The Explosive Hazard Classification Data Report is used to obtain the necessary information for assigning hazard classifications, such as hazard class/division, storage compatibility group, and Department of transportation (DoT) marking. These classifications establish the procedures for the storage and transportation of the item for all user elements.

a. This Data Item Description (DID) is applicable to the acquisition of any new explosive item or component which has not previously received an approved hazard classification.

b. This DID contains the content and format preparation instructions for the data products generated by MIL-STD-882, *System Safety*, and any specific and discrete task requirements as delineated in the contract.

c. This DID is related to DI-SAFT-80101, *System Safety Hazard Analysis Report (SSHAR)*; DI-SAFT-80105, *System Safety Program Progress Report (SSPPR)*; and DI-SAFT-80106, *Health Hazard Assessment Report (HHAR)*.

(Copies of MIL-STD-882 and these DIDs are available online at <http://quicksearch.dla.mil>.)

d. This DID supersedes DI-SAFT-81299B.

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 EHCDR shall be in contractor format.

3. Content. The EHCDR shall contain the following:

3.1 Type of classification. Include a statement as to the type of classification being sought, either interim or final.

3.2 Hazard classification data: The data necessary for assignment of hazard classification will be supplied as shown below, using additional pages if sufficient space is not available. The "used on" or "used with" hardware item(s) will be identified, including their ancillary or delivery equipment. For interim hazard classifications, some of this data may not be available, but all should be available for final hazard classifications.

3.2.1 Nomenclature. (see FED-STD-5, *Standard Guides for Preparation of Proposed Item Logistics Data Records*.)

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- 3.2.2 Part number(s) and Commercial and Government Entity (CAGE) number. Prime contractor and vendor(s).
- 3.2.3 National stock number (NSN).
- 3.2.4 System used on. System in which the subject item is associated.
- 3.2.5 Next assembly. Next higher assembly subject item is a part of.
- 3.2.6 Size, Size of unpacked item.
- 3.2.7 Weight. Weight of unpacked item.
- 3.2.8 Explosive or chemical formulation. Include type, composition, and total weight of each explosive or chemical subassembly in the item (e.g., detonator, booster, squib, rocket motor, etc.).
- 3.2.9 Weights of explosive or chemical material.
- Net explosive weight. Total weight of all materials that mass detonate (i.e., Class/Division 1.1).
 - Net propellant weight. Total weight of all propellant and pyrotechnic material (i.e., Class/Division 1.3).
 - Explosive weight for Quantity-Distance (Q-D) determinations. Net explosive weight, net propellant weight, or some combination of the two, according to results of testing and/or current policy for Q-D computations. Only this weight may be used directly in Q-D computations. Include equation used to calculate TNT equivalent weight and the reference where the equation was obtained.
- 3.2.10 Items containing a liquid or gas:
- Name or type of liquid or gas.
 - Physical state.
 - If pressurized, what pressure.
 - Vapor pressure.
 - Flash point.
- 3.2.11 Narrative. A narrative description of the item.
- 3.2.12 Functioning. Step-by-step, on how the item functions and its relation to higher assemblies.
- 3.2.13 Illustration. Illustration of the configuration of the explosive item and the relationship of the item's parts as assembled. An illustration of the relationship of the explosive item to other items in the next higher assembly.
- 3.2.14 Packaging data:
- How item is packed (narrative description).
 - Number of items per inner package.
 - Number of inner packages per outer package.
 - United Nations (UN) identification code, Department of Transportation (DOT) Specification number (if packaging is exempt from UN standard packaging) (49 Code of Federal Regulations), or DoD Certification of Equivalency (COE) as applicable.

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(Copies of this document are available on line at www.ecfr.gov.)

- e. Type and size.
- f. Gross weight of packaged item(s).
- g. Specific DOT labels, if required.
- h. If a DOT special permit or exemption applies, give number and to what it applies.
- i. Illustration of packing and shipping containers.

3.2.15 Limitations. Special storage or shipping limitations.

3.2.16 Test data. Hazard classification test data.

3.2.17 Responsible individual. Typed name, signature, and company of individual responsible for accuracy of the above data.

3.3 Changes in items. When hazard classification has been established for a basic item, a change in the Part Number (P/N), or change in the prefix or suffix dash number of the item will not require an additional data package, unless the change affects major configuration or explosive type and quantity. Minor changes will be explained in a letter narrative indicating why a change in classification is not warranted.

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