

## **DATA ITEM DESCRIPTION**

**Title:** Critical Safety Item, Characteristic and Critical Defect Report

**Number:** DI-SAFT-80970A

**Approval Date:** 2 June 1998

**AMSC Number:** A7314

**Limitation:**

**DTIC Applicable:** N/A

**GIDEP Applicable:** N/A

**Office of Primary Responsibility:** A/AMSTA-AR-QAW

### **Applicable Forms:**

**Use/relationship:** The Critical Safety Item, Characteristic and Critical Defect Report identifies components, assemblies and processes with one or more critical characteristics that if not conforming to the design data or quality requirements would result in an unsafe condition. This report also identifies the occurrence(s) of critical defects, event rates, investigation results, corrective action and notification actions.

- a. This DID contains the format and content preparation instructions for the data product generated by the specific and discrete task requirements as delineated in the contract.
- b. This DID supersedes DI-SAFT-80970.
- c. This DID is applicable to the acquisition of designs or hardware with items considered to have, or potentially have, critical parts or characteristics in the technical data package.
- d. This DID may be tailored on DD Form 1423 for the particular acquisition. If the acquisition includes both design and hardware, tailoring may not be necessary.

### **Requirements:**

1. General: Definitions applicable to this DID are as follows:
  - a. Critical Item: A part, assembly, installation, or production process with one or more critical characteristics that, if not conforming to the design data or quality requirements, would result in an unsafe condition.
  - b. Critical Characteristics: Any feature (e.g., tolerance, finish, material composition, manufacturing, assembly, inspection process) of product, material, or process, which if nonconforming or missing could cause the failure or malfunction of the critical item.
2. Format: The Safety Report shall be in contractor format. Hard copy submittals shall be on 8 1/2 by 11-inch bond paper. Electronic/computer generated reports approved by the procuring activity shall be printable in the

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same format. When necessary to provide clarification (e.g., identification of the items, parts, assemblies, and materials); detailed diagrams, drawings, sketches, photographs, etc. shall be included in conjunction with the text. When consistent with an effective presentation, the contractor-selected format used in the initial submission shall be used for subsequent submissions.

3. Content for Design: The Safety Critical Items/Characteristics Report content shall be as follows:

3.1 Title Page: The title page shall identify the contract number, the reporting period, and the date of the report.

3.2 Table of Contents: The table of contents shall identify the major topics addressed in the report.

3.3 Critical Item Characteristics List: The lists shall identify the following elements:

- a. Critical item identification including the part number, nomenclature, and National Stock Number.

- b. Associated critical item characteristics.

- c. The Commercial and Government Entity Code (CAGEC) that identifies the manufacturer of the critical item.

- d. Analytical data and results, which support the determination that, an item and associated characteristics are critical.

- e. Documents which control the critical characteristics.

- f. The service life, if established, for the critical item.

- g. The most effective inspection method to be performed on the critical item to inspect for the critical characteristics. The inspection method shall include any applicable test requirements (e.g., test equipment, test conditions, detailed test procedures, test results).

4. Content for Report of Hardware Containing Critical Safety or Critical Defect:

4.1 Notification. The notification information shall include:

- a. Prime Contractor name and contract number.

- b. Subcontractor name: (If defect occurred at a subcontractor).

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- c. Item Identity: (Part Nomenclature, Drawing Number and Revision).
- d. Specification Requirement: (Specification, Paragraph, Characteristic).
- e. Lot Identity: (Lot number and lot size).
- f. Defect Quantity this Occurrence: (Total critical defects this contract).
- g. Cumulative Defect Quantity: (Total critical defects this contract).
- h. Quantity of Suspect Material: (Identify segregated lots and sizes).

### 4.2 Detailed Investigation. Investigation Information shall include:

A narrative description of the detailed investigation and analysis of the critical defect. The narrative shall include the root cause of the defect, evidence that the segregated material is not affected and corrective action(s) taken to eliminate the defect in remaining material and to preclude recurrence.

### 4.3 Segregated Material Use and Restart Request. The request(s) shall include:

- a. Reference to the approved notification, detailed investigation and corrective action(s).
- b. Identify of material, lot number, and quantity.
- c. Narrative request for use or restart authority.

### 4.4 End of DI-SAFT-80970A