

DATA ITEM DESCRIPTION

1. TITLE SAFETY ASSESSMENT REPORT		2. IDENTIFICATION NUMBER DI-SAFT-80102	
3. DESCRIPTION/PURPOSE 3.1 The Safety Assessment Report is a comprehensive evaluation of the safety risks being assumed prior to test or operation of the system or at contract completion. It identifies all safety features of the system, design and procedural hazards that may be present in the system being acquired, and specific procedural controls and precautions that should be followed.			
4. APPROVAL DATE (YYMMDD) 860120	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) F/10	6a. DTIC REQUIRED	6b. GIDEP REQUIRED
7. APPLICATION/INTERRELATIONSHIP 7.1 This Data Item Description (DID) identifies the Government content and format preparation instructions for that data generated by Task 207, Task 209, and Task 210 of MIL-STD-882B. 7.2 The Safety Assessment Report (SAR) must be tailored to the specific acquisition; therefore, Preparation Instructions must be tailored in the CDRL to require only certain paragraphs of this DID. 7.3 The SAR should be used to summarize or supplement the hazard analyses obtained under DI-SAFT-80101. For small development programs or Off-the-shelf (Continued on Page 2)			
8. APPROVAL LIMITATION	9a. APPLICABLE FORMS OSHA Form 20, DD Form 1813	9b. AMSC NUMBER F3760	
10. PREPARATION INSTRUCTIONS 10.1 <u>Source Document</u> . The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments and revisions, shall be as reflected in the contract. 10.2 <u>Contents</u> . The Safety Assessment Report (SAR) shall include the following information: 10.2.1 <u>Introduction</u> . State in narrative form the purpose of the safety assessment report. 10.2.2 <u>System Description</u> . This section may be developed by referencing other program documentation such as technical manuals, System Program Plan, System Specification, etc., and shall include the following: a. The purpose and intended use of the system. b. A brief historical summary of system development. c. A brief description of the system and its components. Include name, type, model number, and general physical characteristics of the overall system and its major subsystems and components. d. As applicable, a description of any other system(s) which will be tested or operated in combination with this system. e. As applicable, either photos, charts, flow/functional diagrams, sketches, or schematics to support the system description, test, or operation.			

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7. APPLICATION/INTERRELATIONSHIP (Cont'd)

acquisitions, the SAR may be used as the only formal documentation of safety program activities/hazard assessment.

7.4 Data Items which relate to this DID are DI-SAFT-80100, System Safety Program Plan; DI-SAFT-80101, System Safety Hazard Analysis Report; DI-SAFT-80103, Engineering Change Proposal System Safety Report; DI-SAFT-80104, Waiver or Deviation System Safety Report; DI-SAFT-80105, System Safety Program Progress Report; and DI-SAFT-80106, Occupational Health Hazard Assessment Report.

7.5 This DID supersedes DI-H-7049A.

10. PREPARATION INSTRUCTIONS (Cont'd)**10.2.3 System Operations.**

a. Briefly describe or reference the procedures for operating the system. Discuss the safety design features and controls incorporated into the system as they relate to the operating procedures.

b. Describe any special safety operational procedures needed to assure safe operations, including emergency procedures.

c. Describe anticipated operating environments, and any specific skills required for safe operation, maintenance or disposal.

d. Describe any special facility requirements or personal equipment to support the system.

10.2.4 System Safety Engineering.

a. Briefly summarize or reference the safety criteria and methodology used to classify and rank hazardous conditions.

b. Describe or reference analyses and tests performed to identify hazardous conditions inherent in the system.

(1) List all hazards that have been identified and considered from the inception of the program in an appendix to this SAR. The list should be broken down to the subsystem or major component level.

(a) Discuss the hazards and the actions that have been taken to eliminate or control these hazards.

(b) Discuss the effects of these controls on the probability of occurrence and severity level of the potential mishaps.

(2) Discuss or reference results of tests conducted to validate safety criteria requirements and analyses.

10.2.5 Conclusions and Recommendations.

a. Include a short assessment of the results of the safety program efforts. Include a list of all significant hazards along with specific safety recommendations or precautions required to ensure the safety of personnel and property. Categorize the list of hazards as to whether or not they may be expected under normal or abnormal operating conditions.

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b. If the system does not contain or generate hazardous materials (i.e., explosive, toxic, radioactive, carcinogenic, etc.) a statement to that effect shall be included. For all hazardous materials generated by or used in the system, the following information shall be included:

- (1) Materiel identification as to type, quantity, and potential hazards.
- (2) Safety precautions and procedures necessary during use, storage, transportation, and disposal.
- (3) A copy of the Material Safety Data Sheet (OSHA Form 20 or DD Form 1813).

c. Conclude with a statement signed by the Contractor System Safety Manager and their Program Manager stating that all identified hazards have been eliminated or controlled and that the system is ready to test, operate, or proceed to the next acquisition phase. In addition, the contractor shall make recommendations applicable to the safe interface of his system with the other system(s).

10.2.6 References. List all pertinent references such as Test Reports, Preliminary Operating Manuals and Maintenance Manuals.