

Data Item Description

1. IDENTIFICATION NUMBER. DI-SAFT-80106B
2. TITLE. Health Hazard Assessment Report (HHAR)
3. DESCRIPTION/PURPOSE.

3.1 Health Hazard Assessment Reports are used to systematically identify and evaluate health hazards, evaluate proposed hazardous materials, and propose measures to eliminate or control these hazards through engineering design changes or protective measures to reduce the risk to an acceptable level.

4. APPROVAL DATE. 950731
5. OFFICE OF PRIMARY RESPONSIBILITY (OPR). F/AFMC-SE
6. a. DTIC APPLICABLE. b. GIDEP APPLICABLE.
7. APPLICATION/INTERRELATIONSHIP.

7.1 This Data Item Description (DID) contains the content and format preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

7.2 Data Items which relate to this data item description DI-SAFT-80101B, System Safety Hazard Analysis Report; DI-SAFT-80102B, Safety Assessment Report; DI-SAFT-80105B, System Safety Program Progress Report; DI-H-1332A, Radioactive Material Data; DI-H-1327A, Surface Danger Area Data; and DI-H-1336, Noise Measurement Report.

7.3 This DID supersedes DI-SAFT-80106A.

8. APPROVAL LIMITATION.
9. a. APPLICABLE FORMS. b. AMSC NUMBER. F-7143

10. PREPARATION INSTRUCTIONS.

10.1 Source Document. 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 Contents. The HHAR shall contain the following:

10.2.1 References. A list source materials used in preparing the report. Include for example, government and contractor reports, standards, criteria, technical manuals and specifications. If references are numerous, put them in a bibliography as an appendix.

10.2.2 System Description. A brief identification of the system and its purpose. Address significant health hazard issues that are identified later in the report.

10.2.3 Background. A description of the system and its intended operation. Include pertinent components or subsystems which contribute most to a health hazard. The identity of the intended users and the type of protective clothing and equipment, if any, available to the user. A summary of the evaluations or assessments performed on system prototypes or developmental models.

10.2.4 Identification of Health Hazard Issues. A description and discussion of each potential or actual health hazard issue of concern for each subsystem or component. A health hazard is an existing or likely condition,

inherent to the operation, maintenance, transport or use of material, that can cause death, injury, acute or chronic illness, disability, or reduced job performance of personnel by exposure to physiological stresses.

Use subparagraphs for each subsystem or component, with additional subparagraphs for each health hazard discussion. Include sufficient detail to clearly define the specific problem, issues involved and reasoning behind the analyses.

For each proposed and alternative material, include the following:

a. **Material Identification.** Include material identity, common or trade name, chemical name, chemical abstract service (CAS) number, national stock number (NSN), or local stock number (LSN, physical form (solid, liquid, gas), and manufacturers and suppliers.

b. **Material Use and Quantity.** Include component name, description, and code, and/or operations details for the material. Total system and program, life-cycle quantities to be used. For mixtures, concentrations for each ingredient.

c. **Hazard Identification.** The detrimental effects of the material on the system, personnel, environment, or facilities.

d. **Toxicity Assessment.** A description of the expected frequency, duration, and amount of exposure. Include the reference documentation and methods used to determine potency/toxicity assessment factors and calculations.

e. **Risk Calculations.** Include classification of severity and probability of occurrence, acceptable levels of risk, any missing information, and discussions of uncertainties in data or calculations.

10.2.5 **Assessment of Health Hazard Issues.** Include an analysis of data, observations, findings, reports and other sources of information against health standards and criteria. A discussion of the potential effect of the health hazards identified. An assessment of the risk of the health hazards based on hazard severity and hazard probability as described in MIL-STD-882. Include when the hazards may be expected under normal or unusual operating or maintenance conditions.

10.2.6 **Recommendations.** Include a description of the recommended actions that should be taken to eliminate, reduce or control each actual or potential health hazard described. What is the effect that each action may have on the risk of the health hazard(s).

10.2.7 **Summary.** Include a summary of the major recommendations.

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