

DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

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1. TITLE LSA-056, FAILURE MODES, EFFECTS, AND CRITICALITY ANALYSIS (FMECA) REPORT	2. IDENTIFICATION NUMBER DI-ILSS-81163A
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3. DESCRIPTION/PURPOSE
 3.1 This report contains failure mode and effect analysis, criticality analysis, maintainability information, damage mode and effect analysis, and minimum equipment listing information. This report should be used to identify candidates for RCM analysis or design reviews, identify failure modes which impact item criticality number and SHSC assignment.

4. APPROVAL DATE (YYMMDD) 920923	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) TM	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
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7. APPLICATION/INTERRELATIONSHIP

7.1 This Data Item Description (DID) contains the format and content preparation instructions for the Logistic Support Analysis Record (LSAR) report required by Appendix B, Paragraph 30.31 of MIL-STD-1388-2B.

7.2 This DID is applicable to the acquisition of military systems and equipment.

7.3 This DID supersedes DI-ILSS-81163.

8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER A6821
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10. PREPARATION INSTRUCTIONS

10.1 Reference documents. The applicable issue of the documents cited herein, including their approval dates and the dates of any applicable amendments, notices, and revision, shall be specified in the contract.

10.2 Format. The report shall be prepared in the format of MIL-STD-1388-2B, Appendix B, Figure 45, using one or more of the report selections specified below.

10.3 Content. The source of data appearing on the LSA-056 summary is contained in Appendix B, Figure 14, LSAR Data Tables to Report Matrix. Data displayed on the report is not required if the data is not specified on DD Form 1949-3, LSAR Data Requirements Form, contained in the statement of work.

10.3.1 Calculations of Item Criticality Number, Failure Mode Criticality Number, and Total Failure Mode Ratio shall be performed in accordance with the formula contained in Appendix B, Paragraph 30.31.2.

10.3.2 The FMECA Report consists of the following:

- a. Part I, FMECA Worksheet Summary.
- b. Part II, Criticality Analysis Summary.
- c. Part III, Failure Mode Analysis Summary

(continued on page 2)

11. DISTRIBUTION STATEMENT

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

Block 10. Preparation Instructions (continued)

10.3.3 Mandatory and optional report selections. The LSA-056 report consists of the following mandatory selections:

- a. End Item Acronym Code
- b. Start LCN
- c. LCN Type (Functional or Physical)
- d. Usable On Codes
- e. Service Designators

The following are optional selections for the LSA-056 report:

- a. Alternate LCN (default is all ALCs)
- b. Stop LCN (default is all LCNs subordinate to, and including, the Start LCN)
- c. Report Parts 1, 2, 3 (default is no Part is selected)
 1. Report Part 1 is further selectable as follows
 - (a) Safety Hazard Severity Codes (default is SHSCs of 1 and 2 only)
 2. Report Part 2 is further selectable as follows
 - (a) Safety Hazard Severity Codes (default is SHSCs of 1 and 2 only)
 - (b) Failure Mode Criticality Number value
 - (c) Failure Probability Level value (a selection must be made against Failure Mode Criticality Number or Failure Probability Level; if Failure Mode Criticality Number and Failure Probability Level are both selected default to Failure Mode Criticality Number)
 3. Report Part 3 is further selectable as follows
 - (a) Safety Hazard Severity Codes (default is SHSCs of 1 and 2 only)