

| DATA ITEM DESCRIPTION | | | Form Approved OMB No. 0704-0188 | |
|--|---|--------------------------|------------------------------------|-----------------|
| 2. TITLE | | 1. IDENTIFICATION NUMBER | | |
| Failed Item Analysis Report | | DI-RELI-80253 | | |
| 3. DESCRIPTION / PURPOSE | | | | |
| 3.1 This report is to be prepared for each failed item which is contractually required to be analyzed. It presents the results of failure analysis, methods of analysis, failure histories and corrective action taken or recommended. | | | | |
| 4. APPROVAL DATE (YYMMDD) | 5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) | 6a. DTIC APPLICABLE | 6b. GIDEP APPLICABLE | |
| 861017 | EC | | | |
| 7. APPLICATION / INTERRELATIONSHIP | | | | |
| 7.1 This DID contains the format and content preparation instructions for the Failed Item Analysis Report requirements of Tasks 202, 301, 302, and 401, and paragraph 4.6.1 of MIL-STD-781D and Task 104 of MIL-STD-785B. | | | | |
| 7.2 The report is used by the procuring activity to determine and evaluate the effectiveness of the Contractor's corrective action program. | | | | |
| 7.3 This DID is related to DI-RELI-80255, Failure Summary and Analysis Report. | | | | |
| 7.4 The Statement of Work (SOW) must invoke the appropriate task or paragraph of MIL-STD-781 and MIL-STD-785, or a specific and discrete work task to develop this data product. | | | | |
| 7.5 This DID supersedes DI-R-7039, DI-R-1735, and DI-R-4805. | | | | |
| 8. APPROVAL LIMITATION | | 9a. APPLICABLE FORMS | | 9b. AMSC NUMBER |
| | | | | N3985 |
| 10. PREPARATION INSTRUCTIONS | | | | |
| 10.1 <u>Reference documents</u> . The applicable issue of documents cited herein, including their approval dates, and the dates of any applicable amendments and revisions, shall be as reflected in the contract. | | | | |
| 10.2 <u>General</u> . The report shall describe the failure analysis performed on each failure as specified by the SOW. | | | | |
| 10.3 <u>Content</u> . The report may be prepared in contractor selected format and shall include the following data: | | | | |
| <ul style="list-style-type: none"> a. Date of failure. b. Date of report. c. Name of engineer responsible for failure analysis. d. Nomenclature and generic number of failed item. e. Type of test during which failure occurred. f. Operational and environmental conditions under which failure occurred. g. Description of failure systems by which failure was detected. h. Description of item's mode of failure. i. Description of specific laboratory method employed in failure analysis (e.g., x-ray, spectrographic analysis, dissection). j. Description of failure cause. k. Impact, if any, of environmental conditions on the failure cause. l. Description of specific analytical method employed in identifying failure causes. m. Failure history to date of subject item. n. Recommendation for corrective action. o. Failure analysis number. p. Manufacturer of failed part. | | | | |
| 11. DISTRIBUTION STATEMENT | | | | |
| DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited. | | | | |

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10. PREPARATION INSTRUCTIONS (Cont'd)

- q. Result of failure (abort, degradation, etc.)
- r. The time to failure.