

DATA ITEM DESCRIPTION

Title: Failure Analysis and Corrective Action Report (FACAR)

Number: DI-SESS-81315B

Approval Date: 28 Mar 2012

AMSC Number: 9247

Limitation: N/A

DTIC Applicable: No

GIDEP Applicable: No

Office of Primary Responsibility: NS/I5223

Applicable Forms: Test Incident Report (TIR) interactive web Corrective Action submittal form or other Army Test Incident Reporting Systems (ATIRS) approved format/transfer method for Army Test Command (ATC) Vision Digital Library System (VDLS) (optional).

Use/relationship:

Provides immediate reporting of failure and subsequent details failure analysis results and corrective action recommendation.

This Data Item Description (DID) contains the format and content preparation instructions for the data resulting from the Reliability test requirements and failures described in the contract (see MIL-HDBK-781 for sample test methods).

This DID supersedes DI-SESS-81315A.

Requirements:

1. Reference documents. The applicable issue of the documents cited herein, including their approval dates and dates of any applicable amendments, notices, and revisions, shall be as cited in the current issue of the DODISS at the time of solicitation; or, for non DODISS-listed documents, as stated herein.
2. Format. The report shall be in contractor's format and shall be the same for both the Preliminary and the Final Report.
3. Content:

The Preliminary Report shall contain the following items:

- A. Originator of the report
- B. Date of the failure/Incident (TIR block 40)
- C. Start date of Contractor's Report
- D. Contractor's name
- E. Failure Analysis Report Number
- F. Contract number
- G. Equipment title, part number, and serial number

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- H. Assembly title, part number, and serial number
- I. Subassembly title, element or module title, part number, and serial number
- J. Part name, part number, serial number, date code, and manufacturer
- K. Name and specification of test failed
- L. Elapsed time and phase of test failed
- M. Total operation time of unit at time of failure
- N. Failure symptoms
- O. Failure mode, Developer's Analysis of Problem (ref: TIR block 106)
- P. Classification failure (independent or dependent)
- Q. Type of failure from Failure Keyword List (see 4.1)
- R. Disposition of failed item
- S. Any supplemental information relating to the failure (i.e., any internal contractor assessments, records, reports, correspondence, etc.)
- T. Corrective Action Status (ref: TIR block 100). The content shall include one of:
 - (1) "Open" (no solution is proposed)
 - (2) "Proposed" (FACAR Initial or Final submitted by contractor)
 - (3) "Verified" (demonstrated at Test Site)
 - (4) "Reviewed" (Corrective Action Review Team (CART) judges Corrective Action as effective)
 - (5) "Completed" (approved for production implementation)
 - (6) "Incomplete" (external program influence)
 - (7) "Not Required"

The Final Report shall contain the items required in the Preliminary Report and the following additional items shall be included:

- U. Failure Analysis methods
- V. Corrective Action Test Results (ref: TIR block 108)
- W. Statement as to whether this is a pattern failure. If it is, the reports of the other failure(s) will be referenced
- X. Corrective action:
 - (1) Description for individual equipment failure (ref: TIR block 107)
 - (2) Implementation – Planned/Achieved to prevent other failures (ref: TIR block 109)

4. Failure Keyword List.

The Failure Keyword List shall include:

- A. Workmanship
- B. Handling
- C. Process
- D. Design
- E. Marking
- F. Test Equipment
- G. Contamination

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- H. Open Bond Wire
- I. Electrical Short
- J. Electrical Open
- K. Software
- L. Mechanical
- M. Testing Error
- N. Tolerance

5. END OF DI-SESS-81315B