

DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

TITLE

RELIABILITY-CENTERED MAINTENANCE ANALYSIS DATA

2. IDENTIFICATION NUMBER

DI-ILSS-80111A

3. DESCRIPTION / PURPOSE

3.1 This Data Item Description (DID) identifies the Reliability-Centered Maintenance (RCM) Analysis data required to develop preventive maintenance requirements, to identify initial age exploration requirements, and to enable a review of the audit trail from the Failure Mode and Effects Analysis (FMEA) results to the development of detailed preventive maintenance requirements, input to part III of the Maintenance Plan.

4. APPROVAL DATE
(YYMMDD)

900906

5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)

AS/AIR-41112

6a. DTIC APPLICABLE

6b. GIDEP APPLICABLE

7. APPLICATION / INTERRELATIONSHIP

7.1 This DID contains the format and content preparation instructions for that data generated under the work task described by 5.2 of MIL-STD-2173(AS).

7.2 This DID is applicable for all new acquisitions and in-service programs that require RCM analysis data to establish or change preventive maintenance requirements.

7.3 This DID relates to DID DI-R-7085A which provides Failure Modes Effects and Critically Analysis (FMECA) data. The FMEA data acquired as specified in DI-R-7085A serves as input to the RCM Process.

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8. APPROVAL LIMITATION

9a. APPLICABLE FORMS

9b. AMSC NUMBER

N4984

PREPARATION INSTRUCTIONS

10.1 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 specified in the contract.

10.2 Format. The suggested formats describing the seven RCM worksheets are included in MIL-STD-2173(AS). Worksheets shall be typewritten or machine produced in a legible or readable style chosen by the preparer. If any item of data required does not apply to a particular data group, "N/A" shall be entered in the appropriate block or column, unless otherwise directed by the instructions in MIL-STD-2173(AS).

10.3 Description. RCM analysis data shall be documented on seven worksheets: RCM Worksheet No. 1, Summary Data, RCM Worksheet No. 2 Failure Consequence/Service/Lubrication Task Evaluation, RCM Worksheet No. 3 On-Condition Task Evaluation, RCM Worksheet No. 4 Hard Time Evaluation, RCM Worksheet No. 5 Combination/Failure Finding Task Evaluation, RCM Worksheet No. 6 SSI Task Evaluation, and RCM Worksheet No. 7 Determination of Age Exploration Tasks.

10.3.1 RCM Worksheet No. 1, Summary Data. Complete Blocks a through k and columns 1 through 7 in accordance with paragraph 5.2.1.1 of MIL-STD-2173(AS).

10.3.2 RCM Worksheet No. 2, Failure Consequence/Service/Lubrication Task. Document failure consequences logic, columns 1 through 4, in accordance with paragraphs 5.2.2.1 and 5.2.2.2 of MIL-STD-2173(AS).

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DISTRIBUTION STATEMENT

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

Block 7 Continued

The RCM process establishes the preventive maintenance requirements for maintenance plans.

7.4 This DID superseded DI-ILSS-80111.

Block 10 Continued

Record servicing and lubrication tasks, columns 5 and 6, in accordance with paragraph 5.2.3.1 of MIL-STD-2173(AS).

10.3.3 RCM Worksheet No. 3, On-Condition Task Evaluation. Complete columns 1 through 7 in accordance with paragraph 5.2.4 of MIL-STD-2173(AS).

10.3.4 RCM Worksheet No. 4, Hard Time Task Evaluation. Complete columns 1 through 7 in accordance with paragraph 5.2.5 of MIL-STD-2173(AS).

10.3.5 RCM Worksheet No. 5, Combination/Failure Task Evaluation. Complete columns 1 through 7 in accordance with paragraph 5.2.6 of MIL-STD-2173(AS).

10.3.6 RCM Worksheet No. 6, SSI Task Evaluation. Complete columns 1 through 7 in accordance with paragraph 5.2.7 of MIL-STD-2173(AS).

10.3.7 RCM Worksheet No. 7, Determination of Age Exploration Tasks. Complete columns 1 through 8 in accordance with paragraph 5.2.8.1 of MIL-STD-2173(AS).