

DATA ITEM DESCRIPTION

Title: Critical Task Analysis Report

Number: DI-HFAC-81399A

AMSC Number: A7322

Approval Date: 19980708

DTIC Applicable:

Limitation:

Office of Primary Responsibility: A/AMCOM **GIDEP Applicable:**

Applicable Forms:

Use/relationship: The Critical Task Analysis Report describes the results of analyses of critical tasks performed by the contractor to provide a basis for evaluation of the design of the system, equipment, or facility. The evaluation will verify that human engineering technical risks have been minimized and solutions are in hand.

a. This data item description (DID) contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement as delineated in the contract.

b. This DID supersedes DI-HFAC-81399.

Requirements:

1. Format. The Critical Task Analysis Report format shall be contractor selected. Unless effective presentation would be degraded, the initially used format arrangement shall be used for all subsequent submissions.

2. Content. The Critical Task Analysis Report shall describe and analyze each critical task including:

a. Information required by and available to personnel which is relevant to the critical task assigned to them.

b. Actions which each performer shall complete to accomplish the critical task, including responses to specific information, responses to combinations of information, and self-initiated responses.

c. The functional consequences of each operator or maintainer critical task with respect to the effects upon both the immediate subsystem functions and the overall system mission.

d. All affected missions and phases including degraded modes of operation. Information on each critical task shall be

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provided to a level sufficient to identify operator and maintainer problem areas that can adversely affect mission accomplishment and to evaluate proposed corrective action. For each critical task, identify the:

- (1) Information required by operator/maintainer, including cues for task initiation.
- (2) Information available to operator/maintainer.
- (3) Evaluation process.
- (4) Decision reached after evaluation.
- (5) Action Taken.
- (6) Body movements required by action taken
- (7) Workspace envelope required by action taken.
- (8) Workspace available.
- (9) Location and condition of the work environment.
- (10) Frequency and tolerances of action.
- (11) Time base.
- (12) Feedback informing operator/maintainer of the adequacy of actions taken.
- (13) Tools and equipment required.
- (14) Number of personnel required, their specialties, and experience.
- (15) Job aids, training, or references required.
- (16) Communications required, including type of communication.

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- (17) Special hazards involved.
 - (18) Operator interaction where more than one crew member is involved.
 - (19) Performance limits of personnel.
 - (20) Operational limits of machine and software.
3. End of DI-HFAC-81399A.