

DATA ITEM DESCRIPTION

Title: Human Engineering System Analysis Report

Number: DI-HFAC-80745B

AMSC Number: A7319

Approval Date: 19980708

DTIC Applicable:

Limitation:

Office of Primary Responsibility: A/AMCOM

GIDEP Applicable:

Applicable Forms:

Use/Relationship: The Human Engineering System Analysis report describes the human engineering efforts conducted as part of system analysis and presents results. The data are used by the procuring activity to evaluate the appropriateness and feasibility of system functions and roles allocated to operators and maintainers.

a. This data item description (DID) contains the format and content preparation instructions for the Human Engineering System Analysis Report resulting from applicable tasks delineated in the SOW.

b. This DID supersedes DI-HFAC-80745A.

Requirements:

1. Format. The Human Engineering System 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 Human Engineering System Analysis Report shall contain the following:

a. System objective(s). In accordance with information provided by the procuring activity or contractor studies, the system objective(s) shall be described. If the objective(s) are to be met by the system operating in conjunction with other systems not within the scope of the contract, the following shall also be described.

(1) The overall (or higher level) objective(s) to be met through combined operation of systems.

(2) The sub-objective(s) to be met by the system being developed under the contract.

(3) Interactions required between systems to meet the objective(s).

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b. System missions(s) . In accordance with information provided by the procuring activity or based upon contractor studies, the system mission(s) shall be described. The mission description(s) shall describe the context(s) within which the system will meet its objective(s); e.g., geography, mission time constraints, weather, day/night, humidity, sea state, terrain roughness, vegetation density, enemy force concentration, enemy weapons/countermeasures capabilities, enemy order of battle, presence or absence of other cooperating systems.

c. System functions . In accordance with information provided by the procuring activity or based on contractor studies, or both, the system functions (which must be performed to meet the system objective(s) within the mission context(s) shall be described.

d. Allocation of system functions . Allocation of system functions shall be described. Specifically, the following analyses and the results of these analyses shall be presented:

- (1) Information flow and processing.
- (2) Estimates of potential operator/maintainer processing capabilities.
- (3) Allocation of functions.

e. Equipment identification . In accordance with information provided by the procuring activity and based upon contractor studies conducted to identify equipment, the selected design configuration shall be described.

3. End of DI-HFAC-80745B.