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DATA ITEM DESCRIPTION

Title: SUBSYSTEM DESIGN ANALYSIS REPORT

Number: DI-SESS-80567B
AMSC Number: F9469
DTIC Applicable: Yes
Defense Technical Information Center
8725 John J. Kingman Road
Fort Belvoir, VA 22060-6218
Preparing Activity: 11 (AFLCMC/EZFA)
Applicable Forms:

Approval Date: 20140610
Limitation: N/A
GIDEP Applicable: No

Use/Relationship: This report is used to evaluate the design approach for the configuration item or subsystem and to provide visibility to the government. The data may also be used to formulate additional technical direction to the design activity.

This report is normally prepared during the analysis effort for each configuration item or subsystem during system acquisition. It may also be applicable to other developmental efforts.

This is a REV B to previous DID Area GDRQ which has been replaced by SESS. This DID supersedes DI-GDRQ-80567A.

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 specified in the solicitation or contract.

2. Format. This 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.

2.1 The report shall be structured to cover each of the major subsections of the design analysis task separately. The analysis report shall correlate the design requirements with the system requirement and any specified requirement for the subsystem or configuration item. The report shall describe or reference all related data (sketches, preliminary drawings, schematics, functional diagrams) necessary for portrayal of the analysis or to aid in an understanding of the analysis.

2.2 The report shall conform to the specific requirements of ANSI/NISO Z39.18 as stated in the Contract Data Requirements List (CDRL) (DD Form 1423). Copies of ANSI/NISO Z39.18 are available online at www.niso.org.

3. Content. The report shall include the following:

3.1 Objective of the analysis;

3.2 Description of the items involved, including adequate drawings, schematics, and computer print-outs, to support the analysis;

3.3 Specification of design constraints and assumptions imposed on the analysis;

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3.4 Discussion of the evaluation and analysis procedure, method, or technique used, and its probable accuracy, explained by sample calculations;

3.5 Identification of source material used in the analysis;

3.6 Results of the analysis, to include the following:

a. Predicted performance related to requirements;

b. Design impact and any constraints which influence other subsystems or configuration items;

c. Producibility considerations;

d. Problems encountered or revealed, and suggested solutions.

4. End of DI-SESS-80567B.