DATA ITEM DESCRIPTION

Title: Computer Software Flowchart

Number: DI-MCCR-80491A
AMSC Number: 7636
DTIC Applicable: No
Office of Primary Responsibility: NS/DA02
Applicable Forms: N/A

Approval Date: 14 Nov 2006
Limitation: N/A
GIDEP Applicable: No

Use/relationship:

The Computer Software Flowchart describes preparation requirements for flowcharts that provides graphic portrayals of the logic design and logic steps that computer software follows.

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

This DID supersede DI-MCCR-80491.

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. General requirements.

2.1 Functional flowchart. Depict overall logic design, operation, and information flow. Limit to one page, when possible.

2.2 General flowchart. Depict major logic steps, operations, and information flow. Limit to two pages and not more that 30 representative symbols.

2.3 Detailed flowchart. Depict processing being performed in the sequence of operation and all branch and decision points which fulfill the objectives of each of the major logic steps shown in the general flowchart.

2.3.1 Duplicate instructions. Depict duplication sets of instructions for a procedure by a single sequence of symbols with appropriate annotations.

3. Format.

3.1 Functional and general flowcharts. Prepared on one side only of white bond paper 8 ½ x 11 inches with a 1 ¼ inch margin on left side and minimum of ¾ inch margin on all other sides.

3.2 Detailed flowcharts. Prepared on two sizes of paper. First size is prepared in accordance with 3.1. Second size prepared on 22 x 34 inch paper and includes all flow on one chart.

3.3 Identification. All flowcharts shall contain the following identification on upper right hand corner of page.

3.3.1 Program number

3.3.2 Program name

3.3.3 Programmer's name

3.3.4 Date and revision number

3.3.5 Description

3.4 Number of pages. The page number (and total number of pages) shall be applied in center of lower margin.

3.5 Table of contents. Used for multiple page flowcharts. Indicates each program included in the document and shall divide each into its separate activities, showing page locations and name of each activity and program.

4. Flowcharting standards. Flowcharting symbols shall conform to ANSI X3.5 with the following exceptions.

4.1 Flow-line symbols. Flowcharts shall use the following flow-line symbols for clarity.

4.2 Annotation symbol. Used as follows:

a. On functional flowcharts to further clarify the significance of a symbolic function.

b. On general flowcharts to provide direct linkage with the detailed flowchart(s)

c. With a flowchart symbol, when it is impractical to include explanatory information within the designated symbol.

4.3 Magnetic tape symbol. Shall contain information to identify the type of information contained and its name.

4.4 Communication link symbol. Depicted by use of open arrowheads for each time symbol is used.

4.5 Predefined process symbol. Contains name and page location of the process and a brief description.

4.6 Connector symbol. Entry connectors shall be the first symbol of each page and shall conform to the requirements of 10.5.

5. Symbol identification and cross references. Identifies and, when applicable, cross references each symbol; i.e., connector and striped symbols.

5.1 Identification notation used on detailed flowcharts(s) shall relate directly to program labels as specified by Computer Software Coding Standards specified in the contract.

6. END OF DI-MCCR-80491A