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DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188
Exp. Date: Jun 30, 1986

1. TITLE	2. IDENTIFICATION NUMBER
TELECOMMUNICATIONS SYSTEM INSTALLATION PLAN	DI-GDRQ-80150

3. DESCRIPTION/PURPOSE

3.1 This plan details the contractor's methods and site specific plans for installation of the telecommunications system. It provides the government the opportunity to review the contractor's plans so any problems can be identified and resolved prior to installation start.

4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)	6a. DTIC REQUIRED	6b. GIDEP REQUIRED
860407	F/AFCC-TSPMO		

7. APPLICATION/INTERRELATIONSHIP

7.1 This data item description contains the format and content preparation instructions for the data product generated by the specific and discrete task requirement for this data included in the contract.

8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER
		F3813

10. PREPARATION INSTRUCTIONS

10.1 Contract. This data item is generated by the contract which contains a specific and discrete work task to develop this data product.

10.2 General. The Telecommunications System Installation Plan (TSIP) shall contain a detailed description of the methods and procedures the contractor intends to use in installing the system. It shall detail the exact configuration the system shall be installed in. It shall also contain any site specific plans for unique installation requirements at the applicable location. The plan shall be standalone to the maximum extent possible, references to other documents shall be kept to an absolute minimum.

10.3 Contents. The plan shall include the following topics:

a. List of equipment components to be installed.

b. Drawings and diagrams of proposed floor plan layouts.

c. Drawings of installation details.

d. Power requirements and cabling.

e. Installation schedule and implementation flowchart.

f. Detailed installation standards and procedures.

10.3.1 Hardware/Software List. The hardware/software list shall be provided as an appendix to the TSIP. The list shall identify all hardware items and softwware items/modules to be delivered and installed by the contractor. The hardware/software list shall contain the following information for each hardware item and software package:

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10. PREPARATION INSTRUCTIONS (Continued)

a. Manufacturer's or vendor's part nomenclature and brief functional description.

b. Manufacturer's or vendor's part number.

c. Quantity.

d. Equipment frame, shelf, position-slot number (hardware only).

The hardware/software list shall be segregrated into major functional groups (e.g., line base units, trunk base units, processor groups, software packages that correspond to the breakout of established contract line items). When an item consists of several lower level sub-assemblies, modules or units, the listing shall identify the corresponding part nomenclatures, part numbers and quantities down to the lowest replaceable unit. The physical location of each hardware item shall be identified by equipment cabinet, frame, shelf, card slot position etc. A master list shall be included which provides a listing of all hardware and software items by part number and their total quantity.

10.3.2 Floor Plan Layout. The floor plan layout shall be provided as a set of scaled drawings which indicate where and how the contractor proposes to layout all equipment bays, cable racks, main distribution frame, and miscellaneous equipment including the battery room, telephone service center and attendant room. All equipment and layout dimensions and measurements shall be specified. Both front and top views shall be included.

10.3.3 Installation Detail Drawings. Installation detail drawings shall include detailed indications of how the contractor proposes to install the equipment. These drawings shall detail how the equipment will interface government-furnished or commercial equipment, specifying demarcation points of interconnection. All connections required to locate, position, mount or attach equipment to the floor, walls or ceiling shall be specified in detail. Schematic or wiring diagrams of equipment bay interconnection shall be included. Drawings shall include terminal block layouts of the MDF, both vertical and horizontal sides.

10.3.4 Power and Cable Requirements. The power requirements and cable layouts shall be detailed in a separate set of drawings. Cable layouts shall include lists of cable sizes, lengths and wire gauges, exact termination locations, cable routings in racks, trenches, trays or any other location. All power distribution cables or systems shall be detailed including battery rack and rectifier cabling diagrams, and distribution to equipment bays and racks. Information shall be provided on power requirements such as size and capacity of rectifiers, batteries, and any power boards to be furnished by the contractor.

10.3.5 Installation Schedule and Implementation Flowchart. The installation schedule shall cover the overall schedule and milestone dates such as delivery of equipment installation start, installation testing start, etc. An implementation flowchart shall be provided which indicates which critical tasks must be accomplished and in which particular order.

10.3.6 Detailed Installation Standards and Procedures. The detailed narrative shall include all standards, methods and procedures the contractor intends to use to install the system. The narrative shall detail each step required to install the major subsystems. The narrative shall tie together the schedule, flowchart, drawings and equipment list in an overall description of the installation plans. All tables and illustrations shall be clearly understandable and logically arranged. The contractor's format is acceptable.

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10. PREPARATION INSTRUCTIONS (Continued)

10.4 Drawings Format. The drawings can be prepared in accordance with American National Standards Institute Engineering Drawings and Related Documentation Practices. All drawings shall be size "D" or "E". When contractor symbols, referenced designations, codes, standards, abbreviations, etc., are referenced on drawings, they shall, if a government- or nationally-recognized industry standard is applicable, include a cross-reference to the government or industry standard on the drawing or in a document furnished to the government. If a government- or nationally-recognized industry standard is not applicable, the contractor symbols, referenced designations, etc., shall be explained on the drawing or in a document referenced on the drawing. A legend shall be provided to interpret all drafting symbols.

10.5 Revisions. Proposed revisions to the TSIP shall include the following information in the following format:

a. Addressee.

b. Originator. Shall include:

(1) Organization/company requesting the revision.

(2) Representative's name and phone number.

(3) Representative's signature.

(4) Date of request.

c. Revision Request. Shall include:

(1) Revision number. (These numbers will be in sequential order beginning with V001.)

(2) Documents affected.

(3) Contract number.

(4) Indicate whether the revision is installation, removal, and/or relocation.

(5) Proposed date the revision will take affect.

(6) Location(s) affected by the revision.

(7) Reason for the revision - include risks - avoid generalities.

(8) Nature of the revision - include whether temporary or permanent, method to be used, project impact, risk, etc.

(9) Government action(s) required.

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