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DATA ITEM DESCRIPTION

Form Approved
OMB No. 0704-0188

2. TITLE	1. IDENTIFICATION NUMBER
TELECOMMUNICATION SYSTEM INSTALLATION PLAN	DI-MGMT-81118

3. DESCRIPTION/PURPOSE

3.1 The Telecommunication System Installation Plan provides detailed installation instructions, drawings, and list of all materials required to accomplish installation of operational parts, components, equipment, subsystems, or systems. An installation schedule is also included.

(Continued on Page 2)

4. APPROVAL DATE (YYMMDD)	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR)	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
901219	ASQB-SEP-A		

7. APPLICATION/INTERRELATIONSHIP

7.1 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.

7.2 This Data Item Description is applicable to contracts requiring preparation of a Telecommunication System Installation Plan. Submission of this plan should be scheduled to allow adequate review

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8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER
		A6004

10. PREPARATION INSTRUCTIONS

10.1 General. The Telecommunication System Installation Plan shall provide the narrative, graphic, and material requirements data necessary to install the operational parts, components, equipment, subsystems, or systems at each site listed in the contract specification.

10.2 Contents.

10.2.1 Narrative specification. The narrative specification shall include the scope and purpose of the installation plan; list of applicable documents, including drawings provided and reference manuals required during the installation; scheduling considerations; description of construction or building modification required prior-to or during installation; and installation instructions which relate to and supplement the drawings provided in the installation plan.

10.2.2 Drawings. The drawings shall show the location and installation details of all equipment and material to be installed at each site as follows:

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11. DISTRIBUTION STATEMENT

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Block 3, Description/Purpose (Continued)

3.2 The plan enables the Government to monitor, review, and evaluate the contractor's engineering installation efforts prior to system installation.

Block 7, Application/Interrelationship (Continued)

and incorporation of required changes prior to approval of the installation concept and commencement of on-site installation.The plan shall identify the type of labor to be used and visa and security requirements.

7.3 This DID supersedes DI-E-1137.

Block 10, Preparation Instructions (Continued)

a. Site layout plans showing location and configuration of all existing facilities plus location, configuration, and installation details of all equipment and facilities installed by the contractor. New equipment facilities shall be easily distinguishable from existing facilities. Important dimensions shall be given.

b. Floor plan and equipment layouts showing location and configuration of all existing equipment plus location configuration and installation details of all equipment installed by the contractor. New equipment shall be easily distinguishable from existing equipment. The floor plans shall also show all significant obstructions and include important dimensions.

c. Layout and installation details of contractor-installed cable trays, ladders, and ducts.

d. Rack face elevation drawings of all contractor-furnished equipment, racks, and cabinets. Equipment rack and cabinet details shall be furnished showing ac power distribution, outlets, grounding, and equipment mounting provisions.

e. Cable termination frame type, size, and configurations; terminal block layout; types, and functional assignment.

f. Technical ac power distribution and wiring from the main site technical power panel to the end equipment. Existing and contractor-added wiring and equipment shall be clearly identified.

g. Grounding distribution and connection to equipment, racks, and cabinets from the station earth ground. Existing and contractor-added wiring shall be clearly identified. The latest actual ground resistance reading obtained from the responsible facilities engineer or on site records shall be entered on the grounding plan.

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Block 10, Preparation Instructions (Continued)

h. Complete dc power distribution and wiring from actual power source to the end equipment including all switches, circuit breakers, fuses, and other contractor-furnished equipment. Breaker and fuse sizes and types shall be included.

i. Equipment, radio, video (wideband), audio frequency, and control wiring drawings showing the external wiring from the equipment to the frame, or to other equipment (patch bays, peripherals, modems, etc.) if wired direct.

j. Outside plant cable details, entrances, and terminations where contractor provided.

k. Audio frequency and digital (date and TTY) circuit configurations, including signaling and conditioning equipment for all applicable circuits.

l. Wideband, audio frequency and digital (data and TTY) patch panel layouts, details, and assignments.

m. Other interface requirements.

n. Installed test equipment layouts and wiring.

o. Order wire, including order wire multiplex, and fault alarm status display and reporting configuration and wiring.

p. Radio and multiplex including synchronization configuration and wiring.

q. Tower face drawings with all existing and proposed antennas. Details to be included are site coordinates, elevation, tower dimensions, antenna heights, azimuths, mounting heights, sizes, and types.

r. Contractor-installed antenna and platform mounting details.

s. Contractor-installed waveguide type, layout, lengths, and installation details, including pressurization.

t. Test equipment required for installation and checkout.

u. Test equipment required for maintenance and operation.

v. Drawings which contain illustrative matter common to equipment or other configurations and are not site or system peculiar shall be treated as common drawings and shall not be furnished as site drawings.

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10.2.3 Material list. The list of materials shall be provided as an attachment to the narrative specification or as a separate drawing. This list of materials shall include all contractor-furnished equipment, including manufacturer, type, general description, federal stock number (FSN), where available, and manufacturer's part number (MPN).

10.2.4 Personnel statement. The plan shall include information stating the extent to which third-country or other foreign personnel will be used in the installation effort.

10.2.5 Format.

a. The narrative specification shall be prepared on standard letter size paper (8 1/2 x 11 inches). The cover and title pages shall contain the title, name of contractor and contract number, name of procuring activity, and the date of preparation. When attachments are included, they shall be fully identified and referenced in the text.

b. Drawings and associated data lists larger than page size shall be furnished as full size reproductions. These drawings and associated data lists shall be folded and furnished separate from the bound narrative specification.