

DATA ITEM DESCRIPTION		Form Approved OASD No. 0704-0188 Exp. Date: Jun 30, 1986	
1. TITLE SITE PREPARATION REQUIREMENTS AND INSTALLATION PLAN		2. IDENTIFICATION NUMBER DI-MGMT-80033	
3. DESCRIPTION/PURPOSE 3.1 The Site Preparation Requirements and Installation Plan defines requirements and responsibilities for the coordinated, integrated Government and contractor site preparation and installation efforts of the deliverable end product(s).			
4. APPROVAL DATE (YYMMDD) 850617	5. OFFICE OF PRIMARY RESPONSIBILITY (OPR) G/T21	6a. DTIC-REQUIRED	6b. GIDEP-REQUIRED
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. 7.2 This data item may be applied in any program phase and contract which contains Site Preparation Requirements. 7.3 This data item supersedes DI-L-5083A and U-L-5083B.			
8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER G3626	
10. PREPARATION INSTRUCTIONS 10.1 <u>Contract</u> . This data item is generated by the contract which contains a specific and discrete work task to develop this data product. 10.2 <u>General</u> . The following general instructions shall apply to the Site Preparation Requirements and Installation Plan: a. <u>Text</u> - Typewritten or by such other office composition machine(s) as may be available, provided no additional cost is incurred by the Government for such method of preparation and the delivered plan can be reproduced by standard office copying equipment. b. <u>Diagrams/Drawings</u> - Be in accordance with the contractor's standard engineering drawing practices. c. <u>Illustration/Graphs</u> - Illustrative material, e.g., charts, graphs, photographs, sketches, etc., shall be in accordance with the contractor's normal methods for such data. d. <u>Legibility</u> - The complete plan, including appendices, attachments, illustrations, graphics, etc., shall be clear, legible and reproducible. 10.3 <u>Format</u> . Contractor format.			

10. PREPARATION INSTRUCTIONS (Cont'd)

10.4 Content. Contents of the plan shall include the following as applicable:

a. A detailed description, by major subheadings, of all installation work to be done by the contractor at the site, to include scheduling and dependency of the various tasks.

b. A site layout plan including detailed layouts (placement) of all equipment, racks, cabinets and consoles.

c. General equipment specifications to include:

1. Physical specifications - height, length, width, and weight (floor loading) of each equipment rack, cabinet and console.

2. Equipment rack, cabinet and console templates.

3. Manufacturer's specific machine configuration and space requirements.

4. Maintenance access requirements for each equipment, rack cabinet and console.

5. Special operational line-of-sight requirements between various equipments.

d. A lighting plan to include general and special lighting requirements.

e. A site and/or facility construction section detailing all required structural modifications or additions plans.

f. An electrical power utilization section to include requirements plans for:

1. Input voltages, frequency, and tolerances

2. Grounding

3. KVA required for each rack, cabinet and console and the type of termination to Government's power supply, cable connections, terminal strip, etc.

4. Phasing number and color code of conductors per cabinet.

5. Location of power and signal entry points and their respective hole sizes.

6. Generator and control cabinet dimensions and specifications, control wiring, and emergency off requirements.

10. PREPARATION INSTRUCTIONS (Cont'd)

g. A section containing the plans for an equipment inter-unit cabling, wave guide and wiring, and lists.

h. A cooling section containing plans which show facility and equipment air conditioning requirements, water requirements, and any special cabling requirements, to include:

1. Operating area environmental conditions:

- (a) Temperature range
- (b) Relative humidity range
- (c) Atmospheric pressure

2. Equipment air conditioning requirements which shall specify:

(a) Type of air conditioning required, i.e., ambient or forced air. If forced air is indicated, required static air pressure shall be specified.

(b) Type of air carrier, i.e., subfloor or overhead duct.

(c) Location for each equipment rack, cabinet and console of the required overhead ducts or subfloor opening and their respective sizes.

(d) Equipment operating and non-operating environmental conditions, e.g., temperature, atmospheric pressure and relative humidity.

3. Operating requirements and capabilities of air conditioning equipment to include:

- (a) Temperature range
- (b) KVA
- (c) BTUs
- (d) C.F.M./each, temperature, relative humidity range

i. Shipping requirements and related information to include:

1. Names of time span of contractor personnel to be used at the installation site to ascertain delivery routes, dock facilities and to perform equipment installation.

2. Special requirements for on-site movement of equipment/systems.