

Statement of Objectives

Building 5010 Server Rack Replacement and Cable Management Project

1.0 Description of Services/Purpose

The 355th Communications Squadron is looking to replace several server racks and have cable management/clean-up services performed in the same racks that are being replaced. The Contractor shall provide all required transportation, personnel, equipment, tools, parts, labor, appropriate supervision, and management needed to accomplish the work requested. A site survey shall be conducted prior to final purchase of necessary equipment to ensure all racks and fiber optic cable for replacement are properly identified and any concerns with facility or overall install are to be addressed. Please see the following section for tasks expected to be performed to meet the intent of the work being requested. Visuals of the area of the data center where services will be performed are located in Appendix A.

1.1 Tasks

1. Replace Server Racks

The total count of racks that are to be replaced is 11, 7 in Row #1 Racks 7-14A (rack 11 does not exist) and 4 in Row #2 Racks 1-4:

- The replacements must include the following:
 - 42U data center cabinet supporting 19" rack mounted equipment.
 - Nominal width should be at least 29" with a front opening of at least 25".
 - Nominal depth should be at least 39" with rail depth up to 36".
 - Must have adjustable rails.
 - Must have a single perforated front door and a double perforated rear door, both with lockable key latches.
 - The top panel must have 4 cable openings, one at each corner, with included grommets.
 - Must have 4 vertical cable managers with fingers aligning between each U that are also in-line with the top panel's cable openings but do not interfere with the installation or removal of rack mounted equipment.
 - Must come with enough cage nuts and screws to populate every slot on all 4 rails.
 - Must come with a vertical PDU, mounted securely, supporting 48 NEMA 5-20 outlets and a NEMA L6-30 input plug.

- Remove equipment from old racks and reinstall in the replacements.
- Dispose of the old server racks.

2. Cable management/Clean Up

The contractor will conduct the following regarding cable management and clean up:

- Replace and organize all connections in Row #1 Racks 7-14A (rack 11 doesn't exist) and Row #2 Racks 1-4.
- Utilize maintenance loops using existing cable trays to provide neatness, accessibility, and to allow freedom of movement for future serviceability.
- Properly identify cables in accordance with ANSI/TIA-606-C to include identifying:
 - o Pathways
 - o Patch panels
 - o Ports
 - o Cabling
 - o Telecommunications space
 - o Work area outlets
 - o Racks and cabinets
 - o Grounding busbars
 - o Firestop locations
 - o Data center room grid
- Update LIU/patch panel labels and legend inserts.

3. Documentation

The contractor shall provide the following documentation to the 355th Communication Squadron after the completion of all services:

- Topology diagrams of all replaced cable connections, Visio compatible format
- Rack elevation diagrams, front and back, showing locations of equipment, patch panels, and PDUs, Visio compatible format
- Any product warranties for newly installed equipment

2.0 DMAFB Infrastructure Work Center Responsibilities

The 355th Infrastructure work center will provide the following support:

- Any required tiered shutdown of equipment
- Escorting as required

3.0 Government Provided Services

3.1 Point of Contact (POC)

The 355th Communication Squadron will provide a POC during the Period of Performance (PoP).

3.2 Emergency Services

The Government will provide Security Forces services (call 228-4444 for emergencies only), and Fire Protection services (call 228-3333). There are no emergency medical services available on DMAFB; therefore, the Contractor must dial 911 for emergency medical services. If a Contractor employee calls 911 from a base phone, they must tell the 911 operator that they are calling from DMAFB.

4.0 General Information

4.1 Contractor POC

The Contractor shall designate a contract POC, who will be responsible for Contractor performed services. Upon contract award, the Contractor shall submit the name and telephone number of the POC, in writing, to the Contracting Officer. The POC shall have full authority to act for the Contractor on all matters relating to daily execution of the contract and must be always available by phone during normal work hours to discuss any contract issues or problem areas. POC must notify 355 CS provided POC if any requirements previously understood as feasible are no longer able to be met.

4.2 Security Requirements

4.2.1 Pass and Identification Items

The Contractor shall ensure the pass and identification items required for contract performance are obtained for Contractor employee(s) and non- Government Owned Vehicles. For entry to the base, submit an Entry Authorization Request letter for each individual requiring access to the project, at least 10 calendar days prior to beginning work. A copy of the format of this letter may be obtained from the Contracting Officer on or before the Pre-Performance Conference. Valid identification with a photograph together with the base pass will be required for all individuals when entering the base.

4.2.2 Wireless Devices

Wireless technologies/devices used for storing, processing, and/or transmitting information are prohibited in B1540 server rooms and must be stored in a lock box outside of the rooms. Devices include: cell phones (personal and work phones), cameras, cordless telephones, wireless microphones, wireless keyboards, or wireless mice, wireless or infrared Local Area Networks (LANs), and personal electronic devices (PEDs). PEDs include iPod's, MP3 players, fitness bracelets/watches, GPS wristwatches, computers and laptops, CDs and DVDs, flash/thumb drives, electronic picture frames, and all other personal electronic devices not specifically addressed above that are used for storing, processing, and/or transmitting information.

4.2.3 Retrieval of Identification Media

The Contractor shall retrieve all identification media, including vehicle passes, upon termination of employment or just prior to contract expiration from Contractor employee(s)

who depart for any reason before the contract expires (e.g. terminated for cause, retirement, etc.), or completion of the project, whichever occurs first, and turn them in to the issuing office.

4.2.4 Traffic Laws

Contractor employee(s) shall comply with all DMAFB traffic regulations. Contractor employee(s) are subject to random vehicle speed control checks. Contractor personnel cited for speeding on the installation may suffer loss of base driving privileges and debarment from the base. The use of cell phones is prohibited while driving on DMAFB, unless equipped with a hands-free mode. Seat belt use is mandatory for all vehicle occupants.

4.2.5 Random Personnel and Vehicle Searches

Contractor personnel are subject to random personnel and vehicle searches. If Contractor personnel refuse to be searched, they will be denied entry to the base, and may result in loss of base driving privileges and debarment from the base.

4.2.6 Weapons, Firearms, and Ammunition

Contractor employee(s) are prohibited from possessing weapons, firearms, or ammunition, on themselves or within their Contractor-owned vehicle or privately owned vehicle while on DMAFB.

4.2.7 For Official Use Only (FOUO)

The Contractor shall comply with DoD 5400.7-R, Chapter 4, DoD Freedom of Information Act (FOIA) Program requirements. This regulation sets policy and procedures for the disclosure of records to the public and for marking, handling, transmitting and safeguarding FOUO material.

4.2.8 Reporting Requirements

Contractor personnel shall immediately report to an appropriate Government authority any information or circumstances of which they are aware may pose a threat to the security of Department of Defense personnel, Contractor employee(s), resources, and classified or unclassified defense information.

4.2.9 Physical Security

The Contractor shall safeguard all Government property, including controlled forms provided for Contractor use. At the close of each work period, Government equipment, facilities, and other valuable materials shall be secured.

4.2.10 Contractor Travel on DMAFB

Contractor employee(s) shall not loiter in any working area before or after performing services. All Contractor employee(s) shall limit their travel on DMAFB only to the specific areas required for performance of services or in travel directly to and from these locations. Upon completion of contract services, Contractor employee(s) shall promptly depart DMAFB.

4.2.11 Contractor Employee Conduct

The Government reserves the right to require removal from the installation any Contractor employee(s) who endangers persons or property, whose actions are inconsistent with professional conduct, whose continued employment is inconsistent with the interest of military security or who is found to be incapacitated or under the influence of alcohol, drugs, or other substances. Removal of employee(s) for any reason does not relieve the Contractor of the requirement to perform contract services.

4.3 Project Hours

All project work shall be accomplished during business hours between 8:00 a.m. and 5:00 p.m. the following day local time, Monday through Friday otherwise approved in writing by the Contracting Officer or approved network down times scheduled over weekends. Also, Federal holidays list will be provided during the scheduled scope of work for planned off time. Additionally, if an Authorized Service Interruption is needed to conduct cable cleanup, the potential to work weekends exists.

4.4 Quality Control

The Contractor shall provide quality control over the entire project including but not limited to the items of equipment and materials intended for installation, necessary coordination, and services to facilitate the performance of the work, site conditions, and the workmanship of the Contractor personnel and any subcontractors.

4.4.1 Contract Familiarity

The Contractor shall become familiar with all the details of the work depicted in the contract documents and shall verify all field conditions and fence measurements related to the project prior to commencement of the work. If conditions are discovered by the Contractor prior to commencement of the work which conflict with the contract documents, and which will substantially affect the construction as designed and depicted in the contract documents, identify and explain the condition(s) in writing to the Contracting Officer within 48 hours of discovery of the condition(s); and request clarification from the Contracting Officer before commencing work.

4.5 Manufacturer's Instructions

The Contractor shall comply fully with manufacturer's instructions, including each step, in sequence. If such instructions conflict with the contract documents, identify and explain the conflict in writing to the Contracting Officer within 48 hours of discovery of the conflict; and request clarification from the Contracting Officer before proceeding.

5.0 Testing/Acceptance

The Contractor shall perform an operational check to the below items after installation. If any component is not deemed acceptable, the contractor shall make necessary adjustments/repairs at no additional cost to the Government.

- Conduct walk through after entire server rack replacements and cable cleanup
- Demonstrate system stability with 72-hour burn-in period.

- Gain concurrence from 355 CS POC of acceptable cable management.

6.0 Cleanup

The Contractor shall keep the work area and surrounding surfaces clean and orderly. Remove any Contractor-caused residue, dirt, or markings immediately upon completion of the work involved. The Contractor shall clean the worksite daily.

7.0 Extended Support

The Contractor must be able to provide onsite support for 30 days after acceptance to work out any issues that occur after 72- hour burn-in period.

Appendix A















