

STATEMENT OF WORK
N47408-00-D-8133 Basic Contract
Engineering Support Services
For Naval Telecommunications Sites

1.0 Scope

The Naval Facilities Engineering Services Center (NFESC) provides engineering and technical services to a variety of U.S. Government Departments and Agencies. The Naval Computer & Telecommunications Command (NAVTELCOM), Utility and Antenna Systems Division, has tasked NFESC to provide A&E and technical support for systems and equipment worldwide. NFESC provides engineering and maintenance services for various utility and antenna systems and equipment.

Representative examples include antenna towers, power plants, electrical substations, un-interruptible power systems, HVAC (heating, ventilation, and air conditioning), and associated distribution systems. Existing systems and equipment require routine service, maintenance, repair, overhaul or refurbishment, and upgrades to increase the equipment or system life, decrease operating costs, and maintain a state of readiness. Many of these systems are located in remote sites supported by NAVTELCOM. The objective of this contract is to provide engineering support, preventative and routine maintenance services, and service call work to support the full range of scheduled and unscheduled work for these antenna and utility systems. The contractor shall provide all labor, materials, and facilities to perform engineering and maintenance services in support of antenna and utility systems and equipment. This technical support includes: engineering surveys, design, developing engineering drawings, modifying existing engineering drawings, analyzing systems and equipment, developing repair plans, performing operations, conducting routine maintenance, providing service and trouble calls, developing and fabricating equipment to proof out equipment modification or re -design, testing and evaluating equipment, developing or revising technical documentation, and providing logistics support.

2.0 Applicable Documents

MIL-STD-100E Engineering Drawings Practice
MIL-M-7298 Manuals, Commercial Off the Shelf
TBD As required to support individual Task Orders
NFPA 70 NFPA – National Electrical Code

3.0 Requirements

3.1 Routine and Preventative Maintenance and Operations – Provide operation support and perform routine and preventative maintenance on a variety of systems and equipment, as identified in the individual task order. Develop and implement a Quality Control Plan for equipment maintenance, operation and repair.

3.2 Service calls – Provide scheduled worldwide service calls to support equipment operations, and short-fused Emergency response, as required to maintain operations and maintenance.

3.3 Surveys and quarterly analysis – Perform equipment surveys and conduct periodic analysis of equipment (e.g. Oil and fuel analysis)

3.4 Vendor Equipment Data – Research and provide updated vendor catalogs and data for equipment, as identified in individual Task orders.

3.5 Maintenance Management Database –Develop and maintain a maintenance management database for equipment and systems identified in individual orders

3.6 Emergency Repair and Response – Perform turn-key rapid response of damaged or failed equipment--worldwide, when notified by the Contracting Officer.

3.7 Engineering Analysis and Design – Perform detailed engineering design and provide calculations and drawings to support system modifications, repair, or overhaul as stated in the individual delivery order. The government will review and approve designs prior to hardware development.

3.8 Engineering drawings – Provide technical services to create or revise hard copy and digital engineering drawings in Auto CAD format. Drawings should conform to MIL-STD-100E.

3.9 Technical manuals and documentation – Revise or develop technical manuals to match current equipment configurations as specified in the individual task order. Manuals shall conform to MIL-M-7298.

3.10 Equipment modifications and refurbishment – Provide technical services to fabricate, assemble and install equipment to meet the specifications or design parameters as specified in individual task orders.

3.11 Utilities and antenna system surveys – Visit installations to analyze equipment and systems operation, and provide reports summarizing the survey.

3.12 Repair plan – Analyze existing equipment to develop cost effective repair plans, or repair alternatives as specified in the individual task order.

3.13 Integrated logistics support – Develop spare parts checklists and spare parts kits, as specified in the individual task order

3.14 Configuration management – Update or develop configuration management plans and develop or update databases to document the equipment configuration.

3.15 Test and evaluation – Develop procedures, test fixtures, equipment, and conduct the test and evaluation of existing, modified, or newly developed equipment as specified in the individual task order.

4.0 Deliverables

4.1 Routine and Preventative Maintenance Reports

4.2 Service calls Reports

4.3 Surveys and Quarterly Analysis

4.4 Vendor Equipment Data

4.5 Maintenance Management Database

4.6 Emergency Repair and Response Procedures

4.7 Engineering design calculations

4.8 Engineering Drawings

4.9 Technical manuals

4.10 Test and Evaluation reports

4.11 Repair Plans

4.12 Spare parts checklist

4.13 Survey plans

4.14 Technical reports

4.15 Monthly progress reports

5.0 Government Furnished Information (GFI) and Materials/Equipment (GFM/GFE)

The following government GFI and GFM /GFE will be provided or made available to the contractor by the government.

5.1 N/A

5.2 N/A

5.3 Auto CAD format diskette

5.4 Manuals, sketches, drawings, and specifications required to perform each task.

End SOW