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**PERFORMANCE WORK STATEMENT (PWS)**

**INFORMATION TECHNOLOGY SERVICES (ITS), INFRASTRUCTURE SUPPORT SERVICES  
(ISS), AND AUDIO-VISUAL SERVICES (AVS)  
FY2023**

Part 1

General Information

1. **Overview:** This is a non-personnel services contract to provide the U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID) with Information Technology Services (ITS), Infrastructure Support Services (ISS), and Audio-Visual services (AVS) to include Audio/Video support. The Government shall not exercise any supervision or control over the contract service providers performing the services herein. Such contract service providers shall be accountable solely to the Contractor who, in turn is responsible to the Government.

The Contracting Activity will be US Army Medical Research Acquisition Activity (USAMRAA), 820 Chandler Street, Fort Detrick, MD, 21702.

1.1 **Description of Services/Introduction:** The contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to perform Information Technology Services (ITS), Infrastructure Support Services (ISS), and Audio Visual Services (AVS) to include Audio/Video System support as defined in this Performance Work Statement except for those items specified as government furnished property and services. The contractor shall perform to the standards in this contract.

1.2 **Background** USAMRIID works closely with other U.S. Army Medical Research and Development Command (USAMRDC) organizations, DoD, the Interagency (including Interagency Laboratories), and private companies to accomplish its mission of protecting the Warfighter from biological threats and being prepared to investigate disease outbreaks or threats to public health.

1.3 **Objectives:** USAMRAA/USAMRIID shall issue task orders against this proposed IDIQ. Each task order will define the deliverables for each particular task. Each task order shall represent a Firm-Fixed-Price response to a USAMRAA issued ITS ISS and AVS PWS and shall represent all personnel and materials required to provide a turnkey solution to the Government's requirement as defined in the PWS.

Controlled by: USAMRIID  
CUI Category: OPSEC  
Limited Dissemination Control: FEDCON  
POC: CPT Guerra, 301-619- XXXX

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1.4 Scope: The Government intends to award a single award five-year Indefinite Delivery/Indefinite Quantity (IDIQ) contract for Information Technology Services (ITS), Infrastructure Support Services (ISS), and Audio-Visual Services (AVS) to include Audio/Video System support. These services include, but are not limited to communications network engineering and implementation, Alternating Current (AC) power systems engineering and installation; Direct Current (DC) power systems engineering and installation; Heating, Ventilating, and Air Conditioning (HVAC) engineering and installation; Grounding, and Shielding engineering and installation, lightning protection engineering and installation, provisioning of equipment, installation services, material handling and activation of communications and electronic systems and equipment, audio/video systems installation, integration, and sustainment, and maintenance and configuration support of AVS to include High Definition Video Teleconference (HDVTC) rooms. The Contractor shall provide the capability for infrastructure components; and the expertise to identify, implement and manage the most cost effective and efficient applications and use of information technology to meet the USAMRIID mission and other customers as defined by the Contracting Officer.

1.5 Period of Performance: The contract shall be an Indefinite Delivery/Indefinite Quantity (IDIQ) contract with a five-year ordering period for ITS, ISS, and AVS support. The contract shall be effective from date of award and be valid for five years. A six month FAR 52.217-8 Option Period, if required, will be exercised.

1.6 General Information

1.6.1 Quality Control: The contractor shall develop and maintain an effective quality control program to ensure services are performed in accordance with this PWS. The contractor shall develop and implement procedures to identify, prevent, and ensure non-recurrence of defective services. The contractor's quality control program is the means by which he assures himself that his work complies with the requirement of the contract. The Quality Assurance Plan documents that the delivered products and services satisfy contractual agreements and meet or exceed the applicable standards referenced in Part 6. This plan will be completed no later than fifteen (15) calendar days after Task Order award and delivered in the current Industry standard of Microsoft Word or Adobe Acrobat X (PDF) format to the KO and the COR via electronic mail. After acceptance of the quality control plan, the contractor shall receive the contracting officer's acceptance in writing of any proposed change to his QC system.

1.6.2 Quality Assurance: The government shall evaluate the contractor's performance under this contract in accordance with the Quality Assurance Surveillance Plan. This plan is primarily focused on what the Government must do to ensure that the contractor has performed in accordance with the performance standards. It defines how the performance standards will be applied, the frequency of surveillance, and the minimum acceptable defect rate(s). This document will be provided for informational purpose only, and it is non-binding on the Government and may be updated and revised at any time by the Government.

1.6.3 Recognized Holidays: The contractor is not required to perform services on federal holidays.

New Year's Day	Labor Day
Martin Luther King Jr.'s Birthday	Columbus Day
President's Day	Veteran's Day
Memorial Day	Thanksgiving Day
Independence Day	Christmas Day
Juneteenth	

1.6.4 Hours of Operation: The contractor is responsible for conducting business, between the hours of 8:00 AM to 5:00 PM Monday thru Friday except Federal holidays or when the Government facility is closed due to local or national emergencies, administrative closings, or similar Government directed facility closings. The Contractor must at all times maintain an adequate workforce for the uninterrupted performance of all tasks ordered under the PWS when the Government facility is not closed for the above reasons. When hiring personnel, the Contractor shall keep in mind that the stability and continuity of the workforce are essential.

1.6.5 Place of Performance: The USAMRIID, located at Fort Detrick, Maryland.

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1.6.6 Type of Contract: The government will award an Indefinite Delivery/Indefinite Quantity (IDIQ) contract with a five-year ordering period for ITS, ISS, and AVS support.

1.6.7 Security Requirements: USAMRIID considers the safety of its employees, neighbors, and the surrounding community its number one priority. USAMRIID's Biosecurity Program is governed by a broad set of Federal, DoD and US Army regulations and policies, which enables USAMRIID to safeguard both the biological materials used in the laboratories as well as the personnel who work here. USAMRIID is frequently inspected by those regulating agencies, and successful completion of those inspections is required for USAMRIID to continue its operation. It is therefore critical that all employees, including Contractor employees, meet standards and maintain compliance with all regulations, policies, and procedures that have been instituted for their protection and the protection of others. Security, training, and other requirements may be subject to change based upon changes in regulations and policies, and the Contractor shall be immediately responsive to those changes.

The Contractor shall not employ, or continue employment, of persons for work on this contract, if such employee is identified to the Contractor by the Contracting Officer as a potential threat to the health, safety, security, general well-being, or operational mission of the installation or its population. All Contractor employees shall be screened before hiring for active participation in any group that opposes the use of animals in research; such candidates shall not be selected for work on this PWS (all contract employees shall support the humane use of laboratory animals in research). In addition, if it becomes known that an employee is an active member of any group that opposes animal research or in any other way demonstrates a desire to compromise the security or the mission of the Institute, the Contractor employee shall be removed from this requirement immediately.

1.6.7.1 Security Requirements

The Contractor shall protect all Controlled Unclassified Information (CUI) and unclassified information involved in the performance under this contract.

1.6.7.2 Installation Access Requirements.

1.6.7.3 All visitors must enter through the Nallin Gate which is open 24 hours per day, seven (7) days per week. Contractors are to provide proof of identification to the Fort Detrick security staff at the Visitor Center located at the Nallin Gate. A Criminal History Check will be conducted on all Contractor and subcontractor employees requiring base access. Acceptable forms of Government issued identification include a passport or Driver's License that complies with the REAL ID ACT. Non-U.S. citizens visiting Fort Detrick will require a Federal employee escort onto the Base. Non-U.S. Citizens visiting or working at USAMRIID will require MRDC approval. Vehicles entering the Base will be searched before being allowed to enter the Base. In addition to your vehicle, the trunk, boxes, bags, or other items located in the vehicle is subject to search. Federal law prohibits the following items on Federal property: firearms, explosives, archery equipment, dangerous weapons, knives and blades over 2 ½ inches, alcoholic beverages and open containers of alcohol. No photographs may be taken while on Fort Derick. Cell phones may be used while driving only if hands free.

1.6.7.4 The Contractor and all associated subcontractors' employees shall comply with applicable installation, facility, and area commander installation and facility access and local security policies and procedures provided by the Government representative. The Contractor shall return all issued U.S. Government Common Access Cards, installation badges, access badges to the COR when the Contract is completed or when a Contractor employee no longer requires access to the installation and facility as defined in the contract.

1.6.7.5 Force Protection Condition (FPCON) impact on work levels. The Contractor employees must comply with all personal identity verification requirements as directed by DoD, and local policy. In addition to the changes otherwise authorized by the changes clauses of this contract, should the FPCON change, the Government may require changes in Contractor security matters or process. IAW DoDI 2000.16, the FPCON is defined as follows:

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1.6.7.6 FPCON ALPHA. This condition applies when there is a general threat of possible terrorist activity against personnel and facilities, the nature and extent of which are unpredictable, and circumstances do not justify full implementation of FPCON BRAVO measures. However, it may be necessary to implement certain measures from higher THREATCONS resulting from intelligence received or as a deterrent. The measures in this THREATCON must be capable of being maintained indefinitely.

1.6.7.7 FPCON BRAVO. This condition applies when an increased and more predictable threat of terrorist activity exists. The measures in this THREATCON must be capable of being maintained for weeks without causing undue hardship, affecting operational capability, and aggravating relations with local authorities.

1.6.7.8 FPCON CHARLIE. This condition applies when an incident occurs or intelligence received indicating some form of terrorist action against personnel and facilities is imminent. Implementation of measures in this THREATCON for more than a short period probably will create hardship and affect the peacetime activities of the unit and its personnel.

1.6.7.9 FPCON DELTA. This condition applies in the immediate area where a terrorist attack has occurred or when intelligence has been received that terrorist action against a specific location or person is likely. Normally, this THREATCON is declared as a localized condition.

2.11.5 Security Clearance Requirements. - DD 254 at the task order level.

2.11.5.1 The Contractor shall acquire the necessary security clearances. A facility clearance through a servicing Defense Security Service is required to be maintained and updated when applicable as established on the DD Form 254 (**Attachment XXX**). The Contractor shall initiate the necessary personnel background checks for successful processing of contract employees through the USAMRIID Personnel Security Office. USAMRIID is a restricted area and the minimum personnel background investigations will be a T1, previously known as a National Agency Check with Inquiries (NACI). A NACI is also acceptable provided the individual has not had a 24-month break-in-service from the previous Government employment. It is anticipated that the highest clearance required will be SECRET.

1.6.9 Post Award Conference/Periodic Progress Meetings: The Contractor agrees to attend any post award conference convened by the contracting activity or contract administration office in accordance with Federal Acquisition Regulation Subpart 42.5. The contracting officer, Contracting Officers Representative (COR), and other Government personnel, as appropriate, may meet periodically with the contractor to review the contractor's performance. At these meetings, the contracting officer will apprise the contractor of how the government views the contractor's performance and the contractor will apprise the Government of problems, if any, being experienced. Appropriate action shall be taken to resolve outstanding issues. These meetings shall be at no additional cost to the government.

1.6.10 Contracting Officer Representative (COR): The (COR) will be identified by separate letter. The COR monitors all technical aspects of the contract and assists in contract administration. The COR is authorized to perform the following functions: assure that the Contractor performs the technical requirements of the contract; perform inspections necessary in connection with contract performance; maintain written and oral communications with the Contractor concerning technical aspects of the contract; issue written interpretations of technical requirements, including Government drawings, designs, specifications; monitor Contractor's performance and notifies both the Contracting Officer and Contractor of any deficiencies; coordinate availability of government furnished property, and provide site entry of Contractor personnel. A letter of designation issued to the COR, a copy of which is sent to the Contractor, states the responsibilities and limitations of the COR, especially with regard to changes in cost or price, estimates or changes in delivery dates. The COR is not authorized to change any of the terms and conditions of the resulting order.

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1.6.13 Contractor Travel: As designated, travel shall be used to satisfy the requirements identified at the Task Order level. Travel shall be at the direction of the Government, as authorized in the Federal Acquisition Regulation part 31.205-46. Contractor will be authorized travel expenses consistent with the substantive provisions of the JTR and the limitation of funds specified in this contract. All travel requires Government approval/authorization and notification to the COR.

1.6.14 Organizational Conflict of Interest: Contractor and subcontractor personnel performing work under this contract may receive, have access to or participate in the development of proprietary or source selection information (e.g., cost or pricing information, budget information or analyses, specifications or work statements, etc.) or perform evaluation services which may create a current or subsequent Organizational Conflict of Interests (OCI) as defined in FAR Subpart 9.5. The Contractor shall notify the Contracting Officer immediately whenever it becomes aware that such access or participation may result in any actual or potential OCI and shall promptly submit a plan to the Contracting Officer to avoid or mitigate any such OCI. The Contractor's mitigation plan will be determined to be acceptable solely at the discretion of the Contracting Officer and in the event the Contracting Officer unilaterally determines that any such OCI cannot be satisfactorily avoided or mitigated, the Contracting Officer may affect other remedies as he or she deems necessary, including prohibiting the Contractor from participation in subsequent contracted requirements which may be affected by the OCI.

PART 2  
DEFINITIONS & ACRONYMS

2. **DEFINITIONS AND ACRONYMS:**

2.1. DEFINITIONS:

2.1.1. **CONTRACTOR**. A supplier or vendor awarded a contract to provide specific supplies or service to the government. The term used in this contract refers to the prime.

2.1.2. **CONTRACTING OFFICER**. A person with authority to enter into, administer, and or terminate contracts, and make related determinations and findings on behalf of the government. Note: The only individual who can legally bind the government.

2.1.3. **CONTRACTING OFFICER'S REPRESENTATIVE (COR)**. An employee of the U.S. Government appointed by the contracting officer to administer the contract. Such appointment shall be in writing and shall state the scope of authority and limitations. This individual has authority to provide technical direction to the Contractor as long as that direction is within the scope of the contract, does not constitute a change, and has no funding implications. This individual does NOT have authority to change the terms and conditions of the contract.

2.1.4. **DEFECTIVE SERVICE**. A service output that does not meet the standard of performance associated with the Performance Work Statement.

2.1.5. **DELIVERABLE**. Anything that can be physically delivered, but may include non-manufactured things such as meeting minutes or reports.

2.1.6. **KEY PERSONNEL**. Contractor personnel that are evaluated in a source selection process and that may be required to be used in the performance of a contract by the Key Personnel listed in the PWS. When key personnel are used as an evaluation factor in best value procurement, an offer can be rejected if it does not have a firm commitment from the persons that are listed in the proposal.

2.1.7. **PHYSICAL SECURITY**. Actions that prevent the loss or damage of Government property.

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2.1.8. **QUALITY ASSURANCE.** The government procedures to verify that services being performed by the Contractor are performed according to acceptable standards.

2.1.9. **QUALITY ASSURANCE Surveillance Plan (QASP).** An organized written document specifying the surveillance methodology to be used for surveillance of contractor performance.

2.1.10. **QUALITY CONTROL.** All necessary measures taken by the Contractor to assure that the quality of an end product or service shall meet contract requirements.

2.1.11. **SUBCONTRACTOR.** One that enters into a contract with a prime contractor. The Government does not have privity of contract with the subcontractor.

2.1.12. **WORKDAY.** The number of hours per day the Contractor provides services in accordance with the contract.

2.1.12. **WORK WEEK.** Monday through Friday, unless specified otherwise.

2.2. ACRONYMS:

ACOR	Alternate Contracting Officer's Representative
AVS	Audio Visual Services or Audio/Video Systems
CCE	Contracting Center of Excellence
CFR	Code of Federal Regulations
CONUS	Continental United States (excludes Alaska and Hawaii)
COR	Contracting Officer Representative
COTR	Contracting Officer's Technical Representative
COTS	Commercial-Off-the-Shelf
DD250	Department of Defense Form 250 (Receiving Report)
DD254	Department of Defense Contract Security Requirement List
DFARS	Defense Federal Acquisition Regulation Supplement
DOD	Department of Defense
FAR	Federal Acquisition Regulation
HIPAA	Health Insurance Portability and Accountability Act of 1996
HVAC	Heating, Ventilation, and Air Conditioning
ITS	Information Technology Services
ISS	Infrastructure Support Services
KO	Contracting Officer
OCI	Organizational Conflict of Interest
ODC	Other Direct Costs
OSHA	Occupational Safety and Health Administration
PgMP	Program Management Professional
POC	Point of Contact
PRS	Performance Requirements Summary
PWS	Performance Work Statement
QA	Quality Assurance
QAP	Quality Assurance Program
QASP	Quality Assurance Surveillance Plan
QC	Quality Control
QCP	Quality Control Program
TE	Technical Exhibit
VTC	Video Tele-Conferencing

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PART 3  
GOVERNMENT FURNISHED PROPERTY, EQUIPMENT, AND SERVICES

**3. GOVERNMENT FURNISHED ITEMS AND SERVICES:**

3.1 Government Furnished Property (GFP) and Equipment (GFE): The Government retains title to all Government-furnished property until properly disposed of, as authorized by law or regulation. If a deliverable item is to be retained by the Contractor for use after inspection and acceptance by the Government, it shall be made accountable to the contract through a contract modification listing the item as Government-furnished property. All GFP will be identified at the task order level. The Government will furnish all necessary equipment for Contractor use at the Government site as identified at the task order level.

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PART 4  
CONTRACTOR FURNISHED ITEMS AND SERVICES

**4. CONTRACTOR FURNISHED ITEMS AND RESPONSIBILITIES:**

4.1 General: The Contractor shall furnish all supplies, equipment, facilities and services required to perform work under this contract that are not listed under Section 3 of this PWS.

4.2 Security Clearance: The contractor shall possess and maintain a SECRET facility clearance from the Defense Security Service. The Contractor's employees, performing work in support of this contract shall have been granted a SECRET security clearance from the Defense Industrial Security Clearance Office. The DD 254 is provided as Attachment XXXX.

4.3. Equipment. The Contractor shall furnish and maintain all tools and test equipment required by the Contractor's personnel to complete work outlined in the IDIQ contract and task orders to include but not limited to hand tools, power tools, generators, fans, lights, heaters, presses, fiber optic cable testers, fiber optic cable splicers, copper cable testers and other telecommunications and network test equipment, confined space entry atmospheric testers, replacement parts and calibration etc. unless otherwise identified in an individual task order.

4.4 Personnel. The Contractor shall furnish personnel that are qualified in accordance with [OSHA 29 CFR § 1910.146](#) that can perform all facets of their job as required in a Confined Space environment when required.

PART 5

SPECIFIC TASKS

**5. Specific Tasks:**

5.1. Basic Services. The contractor shall provide services for integrating and developing approaches and solutions using IT into existing customer (third party) voice and data network environments. An individual tasking could include engineering, furnishing, installing and making operational voice and data communications infrastructure meeting network criteria, AVS, VTC/HDVTC capabilities, video, local area network (LAN) and wide area network (WAN), radio communications capabilities, inside and outside plant cabling supporting structures, and unique equipment interfaces or devices including programming routers and switches to function in their respective networks. AC/DC power systems engineering and installation, HVAC, Grounding, and Shielding engineering and installation shall only be performed in support of IT Project(s) and coordinated with USAMRIID Facilities Management Office. Each task order is unique and will require flexibility in design, schedule and execution.

5.2. Power. The Contractor shall engineer, furnish, install, and make operational AC and DC power distribution systems. The size and scope of the power distribution systems will be directly related to communications system implementation requirements identified in individual Performance Work Statements (PWS).

5.3 Grounding and Shielding. The Contractor shall engineer, furnish and install Grounding, Shielding, and lightning protection systems associated with new and existing communications rooms, data centers, and other facilities as identified in the Government's PWS. Consistently engineering effective grounding systems allows for safe and reliable operation, regardless of the type of information technology and telecommunications equipment. Failure to do so in conjunction with communications rooms, data centers, and other facilities projects may result in unexplained equipment malfunctions, component damage/degradation, and personnel safety hazards. The Contractor shall address Grounding and Shielding requirements in each task order.

5.4 HVAC. The Contractor shall engineer, furnish and install HVAC systems associated with new and existing communications rooms, data centers, and other facilities as identified in the Government's PWS. The Contractor shall address HVAC requirements in each task order.

5.5. Maintenance. The Contractor shall provide continuous maintenance of new and existing ITS, ISS, and AVS systems, to include hardware and software installed, in the duration of the IDIQ. The equipment will be identified at the task order level.

5.6 Removal of Equipment. The Contractor shall properly dispose of any replaced equipment and furnishings. If the equipment is identified as a property book item, it will be provided to the Property Book Office or Information Management Division for proper disposal.

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PART 6  
APPLICABLE PUBLICATIONS

**6. APPLICABLE PUBLICATIONS (CURRENT EDITIONS)**

6.1. The Contractor must abide by all applicable regulations, publications, manuals, and local policies and procedures.

Federal Acquisition Regulation (FAR)

Department of Defense FAR Supplement (DFARS)

Army FAR Supplement (AFARS)

Department of Defense Financial Management Regulation (DoD 7000.14-R)

6.2 Agency Standards.

CNSSI No. 7003, Protected Distribution Systems (PDS) (September 2015)

CNSSAM TEMPEST/1-13 (U) RED/BLACK Installation Guidance (17 Jan 2014)

ICD 705 Sensitive Compartmented Information Facilities (26 May 2010)

DCID DNI Annex Pt1 & 2 2006 700 - (12 July 2006)

DoDD 5000.01, The Defense Acquisition System (August 2018)

(<https://www.esd.whs.mil/Portals/54/Documents/DD/issuances/dodd/500001p.pdf>)

DoDI 5000.02, Operation of the Defense Acquisition System (23 Jan 2020)

(<https://www.esd.whs.mil/Portals/54/Documents/DD/issuances/dodi/500002p.pdf>)

DoDI 8510.01 Risk Management Framework (RMF) (28 Jul 2017)

(<https://www.esd.whs.mil/Portals/54/Documents/DD/issuances/dodi/851001p.pdf>)

Defense Information Systems Agency (DISA) Security Technical Implementation Guides (STIGS) (<http://iase.disa.mil/stigs/stig/index.html>).

Department of Defense, Civilian Personnel Joint Travel Regulation, Volume 2

([http://www.belvoir.army.mil/JPPSOWA/files/Outbound/JTRvol2\\_ch1\\_16.pdf](http://www.belvoir.army.mil/JPPSOWA/files/Outbound/JTRvol2_ch1_16.pdf)).

DOD Information Technology Standards Registry (DISR-online)

(<https://www.dsp.dla.mil/Specs-Standards/List-of-DISR-documents/>).

DODISS, DOD Index of Specifications and Standards

(<https://www.dsp.dla.mil/Specs-Standards/>).

MIL-HDBK-232A, Red/Black Engineering-Installation Guidelines (24 Oct 2000)

(<http://www.tscm.com/MIL-HDBK-232.PDF>).

MIL-HDBK-419A, Grounding, Bonding & Shielding for Electronic Military Systems, VOL I&II Facilities (30 May 1988)

(<http://www.tscm.com/MIL-HDBK-419A.PDF>).

MIL HDBK-1004/6, Lightning Protection (1 Feb 1992)

MIL-STD-188-124B, Grounding, Bonding and Shielding for Long Haul/Tactical Communications Systems Including Ground Bases Communication-Electronics Facilities and Equipment (1 Feb 1992)

(<http://www.tscm.com/MIL-STD-188-124B.PDF>).

Technical Guide for Installation Information Infrastructure Architecture,

United States Army Information Systems Engineering Command, July 2008

6.3 Army Standards: <https://armypubs.army.mil/ProductMaps/PubForm/AR.aspx>

AR 25-2, Army Cybersecurity (4 Apr 2019)

AR 380-5, Army Information Security Program (22 Oct 2019)

AR 380-27, Control of Compromising Emanations (22 Jul 2014)

AR 380-49, Industrial Security Program (20 Mar 2013)

All software must be compliant with the DHA APL process:

<https://info.health.mil/dadio/InfoSec/assessor/ApprovedProducts/SitePages/Home.aspx>

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ANSI/TIA-526-7 - OFSTP-7, Measurement of Optical Power Loss of Installed Single-mode Fiber Cable Plant (Feb 2002).

ANSI/TIA-526-14-A, OFSTP-14 - Optical Power Loss Measurement of Installed Multimode Fiber Cable Plant (Aug 1998) (revised 2003).

ANSI/TIA-568.0-D, Generic Telecommunications Cabling for Customer Premises (Sept 2015)

ANSI/TIA-568.1-D, Commercial Building Telecommunications Cabling Standard (Sept 2015)

ANSI/TIA-568.2-D Balanced Twisted-Pair Telecommunications Cabling and Components Standards (Jun 2016)

ANSI/TIA-568.3-D, Optical Fiber Cabling and Components Standard (Oct 2016)

ANSI/TIA-568-C.1 Commercial Building Telecommunications Cabling Standard (24 Mar 2020)

ANSI/TIA-568-C.2, Balanced Twisted-Pair Telecommunication Cabling and Components Standard (Sept 2018)

ANSI/TIA-568-C.3, Optical Fiber Cabling Components Standard (25 Oct 2016)

ANSI/TIA- 568-C.4 Broadband Coaxial Cabling and Components Standard (27 Jun 2017)

ANSI/TIA 569, Commercial Building Standard for Telecommunications Pathways and Spaces (May 2019).

ANSI/TIA-598-C, Optical Fiber Cable Color Coding (Jan 2005).

ANSI/TIA-606-C, Administration Standard for the Commercial Telecommunications Infrastructure (Jun 2017).

ANSI/TIA 607B:2011 Telecommunication Bonding and Grounding

ANSI/TIA-942-B, Telecommunications Infrastructure Standard for Data Centers (Aug 2017).

ASHRAE 90.1 Energy Standard for Buildings Except Low-Rise Residential Buildings

NFPA 70, National Electrical Code (Current Edition).

NFPA 76, Standard for Fire Protection of Telecommunications Facilities (Current Edition)

OSHA 29 CFR § 1910.23 Ladders

OSHA 29 CFR § 1910.28 Duty to have fall protection and falling object protection

OSHA 29 CFR § 1910.132 Personal Protective Equipment

OSHA 29 CFR § 1910.140 Personal fall protection systems

OSHA 29 CFR § 1910.146 Permit-required and Non-permit Confined Spaces Standards

OSHA 29 CFR § 1910.147 Control of hazardous energy

OSHA 29 CFR § 1926.102 Eye and Face Protection

OSHA 29 CFR § 1910.268 Telecommunications

OSHA 29 CFR § 1910.146 Permit-required and Non-permit Confined Spaces

6.5 Order of precedence for standards and guidelines are as follows:

6.5.1 Telecommunications Industry Association (TIA)/Electronic Industry Alliance (EIA) standards, and then guidelines, for installation and testing procedures, take precedence over manufacturer's recommended installation and test procedures for all structured cabling systems installed under the base contract.

6.5.2 In the event of conflict between installation, testing, quality control and workmanship standards, the order of preference to be adhered to during the completion of task orders under the base contract is:

6.5.2.1 Specific standards identified in task orders, which are more stringent than those in the base contract.

6.5.2.2 The TIA/EIA standards delineated in the base contract.

6.5.2.3 Manufacturer's recommended installation, testing, quality control, and workmanship standards.

6.5.3 Loss budgets for fiber-optic installations shall be established by performing an insertion loss test with a light source and power meter. That measurement shall be compared to an estimate of a reasonable loss for the subject cable plant installation based on anticipated loss due to the components in the cable plant - fiber, connectors and splices, plus any passive optical components such as splitters, using loss budgets established by TIA/EIA. Optical Time Domain Reflectometer (OTDR), or other testing methodologies, while permissible for troubleshooting or for use during the course of installation, are not acceptable as a final acceptance test for inside-plant cable installation.

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PART 7  
ATTACHMENT/TECHNICAL EXHIBIT LISTING

7. **Attachment/Technical Exhibit List:**

7.1. Attachment 1/Technical Exhibit 1 – Performance Requirements Summary

7.2. Attachment 2/Technical Exhibit 2 – Deliverables Schedule

**TECHNICAL EXHIBIT 1**

**Performance Requirements Summary**

The contractor service requirements are summarized into performance objectives that relate directly to mission essential items. The performance threshold briefly describes the minimum acceptable levels of service required for each requirement. These thresholds are critical to mission success.

<b>Performance Objective</b> (The Service required—usually a shall statement)	<b>Standard</b>	<b>Performance Threshold</b> (This is the maximum error rate. It could possibly be “Zero deviation from standard”)	<b>Method of Surveillance</b>
<b>PRS # 1.</b> The contractor shall integrate solutions using IT into existing customer voice and data network environments; PWS 5.1	Contractor ensures all equipment and systems being used must be approved by the government	Zero deviation from standard	100% inspection by COR
<b>PRS # 2</b> The contractor shall provide Power services, PWS 5.2	Contractor ensures that the size and scope of the power distribution systems will be directly related to communications system implementation requirements provided by the government	Zero deviation from standard	100% inspection by COR
<b>PRS # 3</b> The contractor shall provide Grounding and Shielding services, PWS 5.3	Contractor ensures effective grounding and shielding systems allows for safe and reliable operation	Zero deviation from standard	100% inspection by COR
<b>PRS # 4</b> The contractor shall provide HVAC services, PWS 5.4	Contractor ensures HVAC systems are approved by the government	Zero deviation from standard	100% inspection by COR
<b>PRS # 5</b> The contractor shall provide Communications services, PWS 5.5	Contractor ensures list of equipment and network devices are listed in the approved products list.	Zero deviation from standard	100% inspection by COR
<b>PRS # 6</b> The contractor shall provide Maintenance services, PWS 5.8	Contractor ensures that all equipment, to include new and existing hardware and software, are maintained and supported for the duration of the Task Order.	Zero deviation from standard	100% inspection by COR

**TECHNICAL EXHIBIT 2**

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**DELIVERABLES SCHEDULE**

The following types of deliverables may be required in subsequent work orders. These deliverables shall be delivered to the COR as a hard copy and electronic data files in the formats that are the current Industry standard for the following programs: Microsoft Word, Microsoft Excel, Adobe Acrobat, and AutoCAD. Specific Deliverable requirements and delivery schedule will be identified by the Government on each task order.

<u>Deliverable</u>	<u>Frequency</u>	<u># of Copies</u>	<u>Medium/Format</u>	<u>Submit To</u>
Monthly Status Report (MSR)	As required per TO PWS	1 original and 2 copies	E-mail/ word or pdf	KO, TO COR
In-Progress Review (IPR)	As required per TO PWS	1 original and 2 copies	E-mail/ word or pdf	KO, TO COR
Engineering Analysis Report	As required per TO PWS	1 original and 2 copies	E-mail/ word of pdf	KO, TO COR
Parts/Bill of Materials	As required per TO PWS	1 original and 2 copies	E-mail/ excel or pdf	KO, TO COR
Installation/As-Built Drawings	As required per TO PWS	1 original and 2 copies	Autodesk AutoCAD version 2013 or later	KO, TO COR
Test and Acceptance Plan	As required per TO PWS	1 original and 2 copies	E-mail/ Word or pdf	KO, TO COR
Test Report	As required per TO PWS	1 original and 2 copies	E-mail/ word or pdf	KO, TO COR
Operator Maintenance Manual	As required per TO PWS	1 original and 2 copies	E-mail/ word or pdf	KO, TO COR
Quality Assurance Plan	As required per TO PWS	1 original and 2 copies	E-mail/ word or pdf	KO, TO COR
Communications Cabling Labeling Scheme	As required per TO PWS	1 original and 2 copies	E-mail/ word or pdf	KO, TO COR
OCI Mitigation Plan	Within 30 days of identification of OCI	1 original and 2 copies	E-mail/ word or pdf	KO, Base COR
System Security Plan and Plans of Action and Milestones (SSP/POAM)	Within 30 days of contract award	1 original and 2 copies	E-mail/ word or pdf	KO, Base COR
Anti-Terrorism (AT)/Operational Security (OPSEC) Requirements	As required per TO PWS	1 original and 2 copies	E-mail/ word or pdf	KO, TO COR

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**Monthly Status Report (MSR) (Deliverable 1).** The Contractor shall prepare and deliver an MSR. The MSR shall outline deliverables submitted, problems encountered, and schedule deviations. The MSR also includes any updates to the Task Order Management Plan that describes how the Contractor shall manage, track, and evaluate the various task orders and task performance.

**In-Progress Review (IPR) (Deliverable 2).** In-progress review (IPR) meetings may be held during the period of performance. The Government will approve the IPR frequency. IPRs shall be scheduled to ensure that the Government is able to review progress and task completion semi-annually. The IPR meeting/s shall be no longer than total of three hours and shall be held between the Contractor employee(s), Program Manager and/or Project Manager, Government technical POC, and the COR. Technical discussion between the Contractor employee(s) and the Government technical point of contact (POC) may occur informally. These IPRs will include, but not be limited to demonstrations by the Contractor of task completion, review of progress, and clarifications of requirements.

**Engineering Analysis Report (EAR) (Deliverable 3).** When required by Task Order, this report shall be prepared by the Contractor as a deliverable for specific Task Orders and will be identified in the Task Order PWS. This report shall provide a comprehensive review and analysis of engineering considerations associated with the specific task. Status report data will be used by the COR and the end user to: (1) evaluate potential courses of action; and (2) identify the magnitude and impact of actual and potential problem areas causing significant cost and schedule variances from plan. This report shall be completed no later than fifteen (15) calendar days after Task Order award, unless modified based on the nature of the task order (i.e. increased complexity) and delivered in the current industry standard of Microsoft Word or Adobe Acrobat X (PDF) format to the KO and the COR via electronic mail.

**Parts/Bill of Materials (BOM) (Deliverable 4).** When required by Task Order, miscellaneous items will be ordered on a firm-fixed price basis. A BOM listing all proposed materials shall be provided to the KO. All sole source items with a unit price over \$2,500.00 must be submitted with a statement explaining why it is sole source, for KO approval prior to purchase. For all purchases with a total price over \$2,500.00, evidence of competition must be provided to the KO prior to Task Order award. Evidence of competition will include copies of quotes received from at least two vendors (name of vendors, telephone/facsimile numbers and date of price quotations) and shall be submitted with Task Order proposal. The Task Order BOM shall be provided as an attachment to the Contractor's Statement of Work submitted in response to the Government's Task Order /PWS and delivered in Current industry standard of Microsoft Excel or Adobe Acrobat X (PDF) format to the KO and the Government Technical POC via electronic mail.

**Installation/As-Built Drawings (Deliverable 5).** As-Built Drawings depict the final installed configuration (whether physical or functional). They indicate any deviations to the original specifications and include subsequent revisions; accurately depicting all features of the project as completed. These drawings provide a permanent record of final conditions accepted by the Government and aid as key references for future maintenance processes. The Contractor shall revise the drawings and specifications upon completion of the Task Order, to incorporate all Addenda, all Change Orders for the Work, and any modifications recorded by the Contractor on the As-Built Drawings and Specifications maintained at the job site. The Contractor shall label the revised drawings and specifications as "Record Drawings" and "Record Specifications" and shall deliver copies to the KO and COR for record purposes. As-built drawings shall be completed no later than 30 calendar days after Task Order completion and the Contractor shall provide 2 copies of electronic media on CD readable/writeable using CAD Version: Autodesk AutoCAD version 2013 or later."

**Test and Acceptance Plan (Deliverable 6).** The Test and Acceptance Plan shall be prepared by the Contractor as a deliverable for specific Task Orders and will be identified in the Task Order /PWS. This plan shall provide a description of the recommended acceptance testing procedures and processes associated with verifying that all Task Order requirements have been satisfied. The Contractor's Test and Acceptance Plan will be approved by the Government prior to the start of work. This plan shall be completed no later than fifteen (15) calendar days after Task Order award and delivered in the current industry standard of Microsoft Word or Adobe Acrobat X (PDF) format to the KO and the COR via electronic mail.

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**Test Report (Deliverable 7).** The Test Report shall be prepared by the Contractor as a deliverable for specific Task Orders and will be identified in the Task Order /PWS. This report shall provide the result of all acceptance testing conducted by the Contractor in support of the associated Task Order. This plan shall be completed no later than fifteen (15) calendar days after test completion and delivered in the current industry standard of Microsoft Word or Adobe Acrobat X (PDF) format to the KO and the COR via electronic mail.

**Operator Maintenance Manual (Deliverable 8).** This deliverable shall be prepared by the Contractor as a deliverable for specific Task Orders and will be identified in the Task Order /PWS. This manual shall provide detailed operator instructions for systems and/or devices implemented by the Contractor in support of the associated Task Order. Deliverables shall include Original Equipment Manufacturer (OEM) user manuals and warranty information. All associated equipment manuals and warranty documentation for Contractor provided equipment shall be consolidated in a single Contractor provided package. This deliverable shall include a list of installed equipment, serial numbers, OEM part numbers, manufacturer name, and standard commercial warranty information. These manuals and accompanying documentation shall be delivered no later than fifteen (15) calendar days after Task Order completion to the COR.

**Quality Assurance Plan (Deliverable 9).** The Quality Assurance Plan documents that the delivered products and services satisfy contractual agreements and meet or exceed the applicable standards referenced in Part 6. This plan will be approved by the Government prior to the start of work. The Quality Assurance Plan shall be completed no later than fifteen (15) calendar days after Task Order award and delivered in the current Industry standard of Microsoft Word or Adobe Acrobat X (PDF) format to the KO and the COR via electronic mail.

**Communications Cabling Labeling Scheme (Deliverable 10).** The Contractor shall perform communication cabling labeling schemes in accordance with TIA-606-A.1 Administration Standard for the Commercial Telecommunications Infrastructure (reference Paragraph 6.4) and match any existing scheme in use at the installation site. The proposed scheme will be approved by the Government prior to the start of work. The labeling scheme shall be completed no later than fifteen (15) calendar days after Task Order award and delivered in the current industry standard of Microsoft Word or Adobe Acrobat X (PDF) format to the KO and the COR via electronic mail.

**Organizational and Consultant Conflicts of Interest (OCIs) Mitigation Plan (Deliverable 11).** Offerors are directed to review FAR 9.5, OCIs. Therefore, offerors should identify any all potential Organizational Conflicts of Interest that might result from their performing any aspects of the requirement as detailed in the PWS, and include proposed means of preventing, avoiding or mitigating each OCI identified. Offerors shall identify any potential Organizational Conflicts of Interest (OCI) resulting from performance of these requirements and shall propose a Risk Mitigation Plan for the same in accordance with FAR Part 9.5. If the Offeror proposes personnel who have previously performed this work while employed by the Government or who are currently employed by the Government, the Offeror must either provide a copy of the employee's letter of separation from the Government identifying the employment restrictions or provide a description of the capacity in which the employee currently serves with the Government. Offerors having performed work related to the development of these requirements may not be permitted to propose without a Contracting Officer approved OCI risk mitigation plan.

**System Security Plan and Plans of Actions and Milestones (SSP/POAM) (Deliverable 12).** (a) Within thirty (30) days of contract award, unless otherwise notified by the Government, the Contractor shall make its System Security Plan(s) (SSP(s)) for its covered contractor information system(s) available for review by the Government at the Contractor's facility. The SSP(s) shall describe how the National Institute of Standards and Technology (NIST) Special Publication (SP) 800-171 security requirements are implemented as required by Defense Federal Acquisition Regulation Supplement (DFARS) clause 252.204-7012, which is included in this contract, and identify all applicable Commercial and Government Entity Code codes affected. The Contractor shall fully cooperate in the Government's review of the SSPs at the Contractor's facility.

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(b) If the Government determines that the SSP(s) does not adequately describe how the NIST SP 800-171 security requirements are implemented, then the Government shall notify the Contractor of each identified deficiency. The Contractor shall correct any identified deficiencies within thirty (30) days of notification by the Government. The contracting officer may provide for a correction period longer than Action and Milestones (POAM) for the correction of the identified deficiencies. The Contractor shall immediately notify the contracting officer of any failure or anticipated failure to meet a milestone in such a POAM.

(c) Upon conclusion of the corrected period, the Government may conduct a follow-on review of the SSP(s) at the Contractor's facilities. The Government may continue to conduct follow-on reviews until the Government determines that the Contractor has corrected all identified deficiencies in the SSP(s).

(d) The Government may, in its sole discretion or in response to a cyber incident, conduct subsequent reviews at the Contractor's site to verify the information in the SSP(s). The Government may conduct reviews at any time upon thirty (30) days' notice to the Contractor.

**Potential Anti-Terrorism (AT)/Operational Security (OPSEC) Requirements for Task Orders (Deliverable 13).** The following additional AT and OPSEC requirements and information may be included in Task Orders on an as needed basis.

- AT Level I Training: This standard language is for Contractor employees with an area of performance within an Army controlled installation, facility or area. All Contractor employees, to include subcontractor employees, requiring access Army installations, facilities and controlled access areas shall complete AT Level I awareness training within 15 calendar days after task order start date or effective date of incorporation of this requirement into the contract, whichever is applicable. The Contractor shall submit certificates of completion for each affected Contractor employee and subcontractor employee, to the COR or to the contracting officer, if a COR is not assigned, within 15 calendar days after completion of training by all employees and subcontractor personnel. AT Level I awareness training is available at the following website: <https://jko.jten.mil>.
- Access and General Protection/Security Policy and Procedures. This standard language is for Contractor employees with an area of performance within Army controlled installation, facility or area. Contractor and all associated subcontractors employees shall provide all information required for background checks to meet installation access requirements to be accomplished by installation Provost Marshal Office, Director of Emergency Services or Security Office. Contractor workforce must comply with all personal identity verification requirements (FAR clause 52.204-9, Personal Identify Verification of Contractor Personnel) as directed by DOD, HQDA and/or local policy. In addition to the changes otherwise authorized by the changes clause of this contract, should the Force Protection Condition (FPCON) at any individual facility or installation change, the Government may require changes in Contractor security matters or processes.
- For Contractors requiring Common Access Card (CAC). Before CAC issuance, the Contractor employee requires, at a minimum, a favorably adjudicated National Agency Check with Inquiries (NACI) or an equivalent or higher investigation in accordance with Army Directive 2014-05. The Contractor employee will be issued a CAC only if duties involve one of the following: (1) Both physical access to a DoD facility and access, via logon, to DoD networks on-site or remotely; (2) Remote access, via logon, to a DoD network using DoD-approved remote access procedures; or (3) Physical access to multiple DoD facilities or multiple non-DoD federally controlled facilities on behalf of the DoD on a recurring basis for a period of 6 months or more. At the discretion of the sponsoring activity, an initial CAC may be issued based on a favorable review of the FBI fingerprint check and a successfully scheduled NACI at the Office of Personnel Management.
- For Contractors that do not require CAC, but require access to a DoD facility or installation. Contractor and all associated subcontractors employees shall comply with adjudication standards and procedures using the National Crime Information Center Interstate Identification Index (NCIC-III) and Terrorist Screening Database (TSDB) (Army Directive 2014-05/AR 190-13), applicable installation, facility and area commander installation/facility access and local security policies and procedures (provided by government representative), or, at OCONUS locations, in accordance with status of forces agreements and other theater regulations.

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- iWATCH Training: This standard language is for Contractor employees with an area of performance within an Army controlled installation, facility or area. The Contractor and all associated subcontractors shall brief all employees on the local iWATCH program (training standards provided by the requiring activity ATO). This local developed training will be used to inform employees of the types of behavior to watch for and instruct employees to report suspicious activity to the COR. This training shall be completed within 15 calendar days of contract award and within 15 calendar days of new employees commencing performance with the results reported to the COR NLT 15 calendar days after contract award.
- Army Training Certification Tracking System (ATCTS) registration for contractor employees who require access to government information systems. All contractor employees with access to a government info system must be registered in the ATCTS (Army Training Certification Tracking System) at commencement of services, and must successfully complete the DOD Information Assurance Awareness prior to access to the IS and then annually thereafter.
- For Contracts that Require OPSEC Training. Per AR 530-1, Operations Security, the Contractor employees must complete Level I OPSEC Awareness training. New employees must be trained within 30 calendar days of their reporting for duty and annually thereafter.
- For Information Assurance (IA)/Information Technology (IT) training. All Contractor employees and associated subcontractor employees must complete the DoD IA awareness training before issuance of network access and annually thereafter. All Contractor employees working IA/IT functions must comply with DoD and Army training requirements in DoDD 8570.01, DoD 8570.01-M and AR 25-2 within six months of appointment to IA/IT functions.
- For Contracts that Require Handling or Access to Classified Information. Contractor shall comply with FAR 52.204-2, Security Requirements. This clause involves access to information classified “Confidential,” “Secret,” or “Top Secret” and requires Contractors to comply with— (1) The Security Agreement (DD Form 441), including the National Industrial Security Program Operating Manual (DoD 5220.22-M); (2) any revisions to DOD 5220.22-M, notice of which has been furnished to the Contractor.
- Threat Awareness Reporting Program. For all contractors with security clearances. Per AR 381-12 Threat Awareness and Reporting Program (TARP), Contractor employees must receive annual TARP training by a CI agent or other trainer as specified in 2-4b.