

## **PERFORMANCE WORK STATEMENT (PWS)**

### **AFRICOM Building 3307 4th Floor and Building 3309 Information Technology (IT) / Electronic Security Systems (ESS)**

#### **Part 1**

##### **General Information**

1. **GENERAL:** This is a non-personal services contract under which the personnel rendering the services are not subject, either by the contract's terms or by the manner of its administration, to the supervision and control usually prevailing in relationships between the Government and its employees.

**1.1 Description of services/Introduction:** This is a non-personnel services contract to provide United States Africa Command (USAFRICOM) Building 3307 4th Floor and Building 3309 Information Technology (IT)/ Electronic Security Systems (ESS). The Government will 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 Contractor shall provide all personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to perform Building 3307 Integrated Installation and Testing Support (IITS) and Building 3309 ESS as defined in this PWS except for those items specified as Government Furnished Property (GFP) and Government Furnished Services (GFS). The contractor shall perform to the standards in this contract.

**1.2 Background:** As USAFRICOM modernizes and enhances operational capabilities at Kelley Barracks, USAFRICOM requires modernization of Desktop IT and communications systems within Building 3307. Specifically, for this effort provides tenant systems which consist of: new or renovation and expansion of existing Desktop Automated Information Systems (AIS) and voice communication systems, Electronic Security Systems (ESS), and Audio/Visual Information Systems (AV) necessary to outfit the operational spaces within the facility.

**1.3. Scope:** The Contractor shall provide non-personal services task project management, installation, integrated logistics support, Desktop AIS, Active Infrastructure (AI), Passive Infrastructure (PI), Electronic Security Systems (ESS), and Audio/Visual (AV) system installation, and facilitation of the Government executed System Operation and Verification Test (SOVT) for the AFRICOM Building 3307 4th floor. This proposal provides task project management, installation, integrated logistics support, Electronic Security Systems (ESS) system installation, and facilitation of the Government executed System Operation and Verification Test (SOVT) for the AFRICOM Building 3309. This task is strictly for the tasks as outlined below.

**1.4 Objectives:** The objective of this project is to install and test Desktop AIS, AI, PI, AV and ESS materials/equipment for USAFRICOM in Building 3307 4th floor, and ESS for USAFRICOM in Building 3309. The Contractor shall create a 100% IDP as a follow-on to the Government provided AIS/AV Installation Design Plan (IDP) drawings package (Part 7, Technical Exhibit A, IDP). The Contractor shall create an IDP for the ESS tasking for building 3307.

**1.5 Period of Performance:** Contract completion shall be 120 days after date of contract.

##### **1.6 General Information:**

**1.6.1 Quality Control Plan (QCP):** The contractor shall develop and maintain a Quality Control Plan (QCP) 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 QCP is the means by which it assures that the work provided complies with the requirements of the contract. At a minimum, the QCP must include the following to be acceptable:

a. A chart showing the organizational structure and lines of authority, the names, qualifications, duties, responsibilities, and classification of each member of the contractor's Quality Control Team.

- b. How the contractor will monitor work to ensure that performance complies with all timelines, deadlines, and goals.
- c. How the contractor will monitor work to ensure that performance complies with all specifications and requirements of the contract, including clauses.
- d. How the contractor will monitor and ensure staff qualifications remain current and valid throughout contract performance.
- e. How the contractor will ensure all keys issued will remain controlled items (See 1.4.xx Key Control)
- f. How the contractor will inventory and track maintenance of all Government Provided Equipment / Materials.
- g. How the contractor will identify, investigate, and correct any non-conforming performance and prevent similar deficiencies in the future
- h. How the contractor will file and save all Quality Control related documents for the life of the contract plus 5 years.

A final QCP shall be submitted to the KO through the COR for review and acceptance within ten (10) calendar days after date of contract award. After acceptance of the QCP, the contractor will receive the KO's acceptance in writing. Any changes to the accepted QCP will be required to be resubmitted for acceptance within ten (10) calendar days.

The Contractor shall bring identified issues or potential problems that might affect future performance to the attention of the COR as soon as possible. Verbal reports will be followed up by written reports within five (5) calendar days.

**1.6.2 Quality Assurance:** The government will 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 and contract quality requirements are met. Contract quality requirements means the technical requirements in the contract relating to the quality of the product or service and those contract clauses prescribing inspection, and other quality controls incumbent on the Contractor, to ensure the product or service conforms to the contractual requirements. It defines how the performance standards will be applied, the frequency of surveillance, and the minimum acceptable defect rate(s), and deductions, if applicable.

**1.6.3 Recognized Holidays:** The contractor is not required to be perform services on the following U.S. 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

US Holidays Work cannot be performed on U.S. holidays occurring during the normal workweek. When a U.S. holiday occurs on a Saturday or a Sunday, the holiday is observed on the preceding Friday or following Monday, respectively. Host Nation Holidays Work Can be performed on local Host Nation\* holidays occurring during the normal workweek. Local host nation holidays occur in the region/state where contract performance takes place.

**1.6.4 Hours of Operation:** The contractor is responsible for conducting business, between the hours of 0730 – 1700 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. For other than firm fixed price contracts, the contractor will not be reimbursed when the government facility is closed for the above reasons. The Contractor must at all times maintain an adequate workforce for the uninterrupted performance of all tasks defined within this 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 Training Holidays:** USAREUR has historically granted military personnel Training Holidays as compensation for time that they spent in field training. These are typically combined with regular holiday

leave schedules (for example, Christmas half days or day on day off schedules). Training Holidays may affect access to military operated facilities. If scheduled work or access to facilities is required, coordination with occupants will be necessary or the work in affected facilities shall be rescheduled after the training holiday. However, announced training holidays or exodus of military personnel may provide the contractor with an opportunity for unrestricted access to facilities and areas. The Contractor shall take full advantage of such opportunities by planning maintenance or actions that are better accomplished when such areas are vacant.

**1.6.7 Place of Performance:** The work to be performed under this contract will be performed at the following locations:

1.6.7.1 Stuttgart, Germany, Kelley Barracks, Building 3307

1.6.7.2 Stuttgart, Germany, Kelley Barrack, Building 3309

1.6.7.3 SPAWAR Atlantic Europe Office Building 3307

1.6.7.4 Contractor's facility

**1.6.8 Type of Contract:** The government will award a Firm-Fixed Price (FFP) Contract.

**1.7 Security Requirements:**

**1.7.1 Security Program:** Contractor personnel performing work under this contract shall have an active personnel security clearance at the SECRET level in the Joint Personnel Adjudication System (JPAS) at time of the proposal submission, and shall maintain the level of security required for the life of the contract. The security requirements are in accordance with the attached DD254, "Department of Defense (DOD) Security Classification Specification".

**1.7.2. Personnel Security Clearance Requirements:** Contractor personnel performing work under this contract shall have an active personnel security clearance at the SECRET level in the Joint Personnel Adjudication System (JPAS) at time of the proposal submission, and must maintain the level of security required for the life of the contract. The security requirements are In Accordance With (IAW) the attached DD Form 254, Department of Defense Contract Security Classification Specification. The Contractor shall ensure that contractor employees and sub-contractor employees performing services under this contract comply with FAR 52.204-2, Security Requirements when the employee has access to information classified "Confidential," "Secret," or "Top Secret." The Contractor shall ensure the employee complies with the Security Agreement (DD Form 441), including the National Industrial Security Program Operating Manual (DOD 5220.22-M), and any revisions to DOD 5220.22-M, notice of which has been furnished to the Contractor.

**1.7.3 Installation Access:** See clause **5152-225-4001 -- INSTALLATION CLEARANCE REQUIREMENTS (June 2016)** in basic contract. The COR will provide the Contractor the required information and documents for installation passes. The Contractor shall provide a list of all employees that have that need to be registered for installation access. The format and content will be provided by the COR. The contractor shall provide an installation pass log within thirty (30) calendar days after contract award. The pass log shall be updated as employees are added or removed and submitted to the COR within 5 days after changes.

Access to US controlled areas is limited to personnel meeting security standards outline in AER 190-16 and USAG Stuttgart Command Policy Memorandum #58, Local national Screening Program (LNPS) and Installation Access Control. This requirement applies to all Contractor employees performing work under this contract on U.S. controlled areas. Failure to submit required information or to obtain required documentation will result in the exclusion of such employees from the U.S. controlled areas until such documentation is obtained. Employees of the Contractor who do not possess a valid installation access pass will be restricted from the workplace until the pass is (re)activated. No Contractor employees will be signed on the installation by an active card holder or Contractor, to conduct work duties. The Contractor employees shall be subject to personal and vehicle searches when entering or leaving the installation. The Government retains the right to exclude any employee from performance of duties under this contract if a background security check reveals an employee is a security risk. The exclusion of an employee for security reasons will not relieve the Contractor from performance of services required under this contract.

Upon the termination of employment or termination/cancellation of this contract, the Contractor is responsible to collect the installation access passes. The contractor shall collect the installation access passes the same day employment of an individual has expired/terminated, and shall return them to the issuing office within three (3) workdays.”

**1.8.4 Background Checks:** See clause **5152.204-4008-Background Checks (June 2016)** – U.S. and Host Nation Contractors. The contractor shall provide an installation pass log within thirty (30) calendar days after contract award. The pass log shall be updated as employees are added or removed and submitted to the COR within 5 days after changes.

The Contractor shall ensure Contractor employees and Sub-Contractor employees performing services under this contract have passed a security check conducted by the Host Nation Police Department of their residence or the State Police Department of their U.S. Residence. Security checks that have been completed as part of a personnel security clearance background investigation, or a previous background check that was a condition of employment, meet this requirement. Documentation of these checks will be made available to the KO or COR upon request. The Government retains the right to exclude any employee from performance of duties under this contract if a background security check reveals an employee is a security risk. The exclusion of an employee for security reasons will not relieve the Contractor from performance of services required under this contract. If the Government determines additional background checks are required, at a minimum, and upon request from the Government, the Contractor shall provide to the KO or COR, the following information on any Contractor or Sub-Contractor employee performing services under this contract:

- Full birth name
- Married name (if applicable)
- SSN or local equivalent (ID card number)
- Date of birth
- Place of birth (city, country)

**1.8.4.1 Background Check Notification Requirements:** If a background check on any employee or Sub-Contractor employee performing services under this contract, whether the check was conducted as a condition of employment or as part of the contract with the Government, reveals any information from any source (including host country law enforcement) of criminal activity by Contractor employees, Sub-Contractors, or sub- Contractor employees, the Contractor shall immediately:

- (1) Notify the KO or COR of that information; and
- (2) Traffic violations, other than parking, shall be reported to the KO or COR only if the contract is for drivers for the Government.
- (3) Notify the KO or COR of any suspicious activity by Contractor employees, Sub-Contractors, or sub-Contractor employees the Contractor believes may pose a risk to U.S. or host nation national security or imminent risk of deadly bodily harm to any person;
- (4) Any actions taken against Contractor employees, Sub-Contractors, or Sub-Contractor employees pursuant to this requirement.

The Contractor shall include the substance of this paragraph and the preceding paragraph in all subcontracts.

**1.8.4.2 Employment Eligibility:** [Contractor shall ensure that all Contractor employees and Sub-Contractor employees who reside in the U.S. performing services under this contract have been pre-screened for employment eligibility using the E-verify Program on the Department of Homeland Security website <http://www.uscis.gov/e-verify>.] Personnel that have not met the employment eligibility requirement on this website are not authorized to perform services under this contract. Verification of the eligibility check shall be made available to the KO or COR upon request. This requirement is not in lieu of and does not relieve the Contractor from the I-9 Employment Eligibility Verification Forms for employment of personnel.

**1.8.5 Physical Security:** The contractor shall be responsible for safeguarding all government equipment, information and property provided for contractor use. At the close of each work period, government facilities, equipment, and materials shall be secured IAW AR 190-13, “The Army Physical Security Program.”

**1.8.6 Operations Security (OPSEC) Requirements:** Contractor personnel shall adhere to facility security policies and restrictions. If applicable, government issued access badges shall not be worn outside designated facilities where visible to the general public. The Contractor shall immediately report suspicious activities to security personnel.

**1.8.7 Key Control:** The Contractor shall establish and implement methods of making sure all keys/key cards issued to the Contractor by the Government are not lost or misplaced and are not used by unauthorized persons. NOTE: All references to keys include key cards. No keys issued to the Contractor by the Government shall be duplicated. The Contractor shall develop procedures covering key control that shall be included in the Quality Control Plan, and the Contractor's Security Plan [if applicable]. Such procedures shall include turn-in of any issued keys by personnel who no longer require access to locked areas. The Contractor shall immediately report any incidents of lost or duplicate keys/key cards to the Contracting Officer. In the event keys, other than master keys, are lost or duplicated, the Contractor shall, upon direction of the Contracting Officer, re-key or replace the affected lock or locks; however, the Government, at its option, may replace the affected lock or locks or perform re-keying. When the replacement of locks or re-keying is performed by the Government, the total cost of re-keying or the replacement of the lock or locks shall be deducted from the monthly payment due the Contractor. In the event a master key is lost or duplicated, all locks and keys for that system shall be replaced by the Government and the total cost deducted from the monthly payment due the Contractor. The Contractor shall prohibit the use of Government issued keys/key cards by any persons other than the Contractor's employees. The Contractor shall prohibit the opening of locked areas by Contractor employees to permit entrance of persons other than Contractor employees engaged in the performance of assigned work in those areas, or personnel authorized entrance by the Contracting Officer. The Contractor shall establish and implement methods of ensuring that all lock combinations are not revealed to unauthorized persons. The Contractor shall ensure that lock combinations are changed when personnel having access to the combinations no longer have a need to know such combinations. These procedures shall be included in the Contractor's Quality Control Plan [if applicable].

**1.8.8 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.

**1.8.9 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.

**1.8.10 Key Personnel:** The follow personnel are considered key personnel by the government: Project/Contract Manager, Project Engineer, ESS Project/Design Engineer, ESS Lead Installer, IA SME, and ESS System Administrator. The contractor shall provide a contract manager who shall be responsible for the performance of the work. The name of this person and an alternate who shall act for the contractor when the manager is absent shall be designated in writing to the contracting officer. The contract manager or alternate shall have full authority to act for the contractor on all contract matters relating to daily operation of this contract. The contract manager or alternate shall be available between 8:00 a.m. to 4:30p.m., Monday thru Friday except Federal holidays or when the government facility is closed for administrative reasons. Qualifications for all key personnel are listed below:

### **1.8.11 Special Qualifications:**

1.8.11.1 **Project/Contract Manager and Alternate:** Contractor Project/Contract Manager and Alternate shall have the following qualifications/certifications:

- ☐ Bachelor of Science degree in Business Administration/Management or equivalent
- ☐ Project Management Professional certification
- ☐ At least five years of experience, managing similar projects of complexity and scope
- ☐ SECRET clearance

1.8.11.2 **Project Engineer:** Contractor Project Engineer shall have the following qualifications/certifications:

- ☐ Bachelor of Science degree in engineering field or equivalent
- ☐ BICSI Registered Communications Distribution Designer (RCDD) or equivalent
- ☐ Familiarity of Common Criteria certified equipment that can be found here <http://www.commoncriteriaportal.org/products/>
- ☐ Familiarity of DISA approved products list that can be found here <https://aplits.disa.mil/>
- ☐ Familiarity of applicable DISA STIGs in regards to Desktop AIS and Audio/Visual systems found here <http://iase.disa.mil/stigs/Pages/index.aspx>
- ☐ At least five years of experience on similar projects of complexity and scope
- ☐ SECRET clearance

1.8.11.3 **ESS Project/Design Engineer:** Contractor Project/Design Engineer shall have the following qualifications/certifications:

- ☐ Bachelor of Science degree in engineering field or equivalent
- ☐ At least six years of experience on similar DoD 5200 compliant projects compliant projects
- ☐ Lenel Certified
- ☐ SECRET Clearance

1.8.11.4 **ESS Lead Installer:** Contractor Lead Installer shall have the following qualifications/certifications:

- ☐ At least six years of Lenel ESS installation experience, performing installs for similar DoD 5200 compliant projects compliant projects compliant projects
- ☐ Lenel Certified
- ☐ Kaba-Mas Certified
- ☐ SECRET clearance

1.8.11.5 **ESS System Administrator:** Contractor System Administrator/Programmer shall have the following qualifications/certifications:

- ☐ At least six years of Lenel ESS programming experience, performing installs for similar DoD 5200 compliant projects compliant projects compliant projects
- ☐ Lenel Enterprise Certified
- ☐ TOP SECRET/SCI clearance

1.8.11.6 **Information Assurance (IA) Subject Matter Expert (SME):** Contractor IA SME shall have the following qualifications/certifications:

- ☐ At least six years of Information Assurance experience for similar DoD 5200 compliant projects compliant projects
- ☐ CompTIA Advanced Security Practitioner (CASP)
- ☐ Certified Information Systems Security Professional (CISSP)
- ☐ SECRET Clearance

**1.8.12 Identification of Contractor Employees:** All contract personnel attending meetings, answering Government telephones, and working in other situations where their contractor status is not obvious to third parties are required to identify themselves as such to avoid creating an impression in the minds of members of the public that they are Government officials. The Contractor shall also ensure that all documents or reports

produced by contractors are suitably marked as contractor products or that contractor participation is appropriately disclosed. Contractor personnel identification shall be easily identifiable through the display of badges IAW AER 27-715 Contractor Identification.

**1.8.13 Contractor Travel:** Reserved

**1.8.14 Other Direct Costs:** Reserved.

**1.8.15 Data Rights:** The Government has unlimited rights to all documents/material produced under this contract. All documents and materials, to include the source codes of any software, produced under this contract shall be Government owned and are the property of the Government with all rights and privileges of ownership/copyright belonging exclusively to the Government. These documents and materials may not be used or sold by the contractor without written permission from the Contracting Officer. All materials supplied to the Government shall be the sole property of the Government and may not be used for any other purpose. This right does not abrogate any other Government rights.

**1.8.16 Non-Disclosure Requirements:** Performance under this contract may require the Contractor to access data and information proprietary to a Government agency, another Government Contractor, or of such nature that its dissemination or use other than as specified in this work statement would be adverse to the interests of the Government or others. Neither the Contractor, nor Contractor personnel, shall divulge, nor release data or information developed, or obtained under performance of this work statement, except to authorize Government personnel or upon written approval of the KO. The Contractor shall not use, disclose, or reproduce proprietary data, which bears a restrictive legend, other than as specified in this PWS. All documentation showing individual names or other personal information shall apply, and shall be controlled and protected under the provisions of the Privacy Act of 1974, Public Law 93-579, 5 United States Code (U.S.C.) Section 552a.

The use of propaganda violates DOD Commercial Use of Imagery Guidelines stated at (<http://www.defenseimagery.mil/products/dodimagery/commercialuse.html>). The Contractor shall not cite any information (e.g., contract information, pictures, locations, etc.) obtained through this contract on any marketing tools to include its company website.

**1.8.17 Non-Disclosure Statements** Reserved.

**1.8.18 Organizational Conflict of Interest (OCI):** 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 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.

**1.8.19 Phase In /Phase Out Period:** Reserved.

**1.8.20 Safety:** Reserved.

**1.8.20.1 Safety Plan and Program:** Reserved.

**1.8.22 Environmental Compliance:** Reserved.

**1.8.22.1 Environmental Compliance Plan and Program:** Reserved.

**1.9 Required Training:**

**1.9.1 Anti-Terrorism (AT) Level I Training:** The Contractor shall complete AT Level I Training within Thirty (30) calendar days after contract start date or effective date of incorporation of this requirement into the

contract, whichever applies, or Thirty (30) calendar days after employment of new personnel, all contractor employees, including subcontractor employees, who are employed under the contract shall complete AT Level I awareness training within Thirty (30) calendar days after contract start date or effective date of incorporation of this requirement into the contract, whichever applies. Contractor personnel travelling overseas shall complete area of responsibility (AOR) specific AT awareness training for U.S. based contractor employees and associated sub-contractor employees. 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 ten (10) calendar days after completion of this training by all employees and subcontractor personnel. AT Level I awareness training is available at <https://jkodirect.jten.mil>. Contractor personnel must complete refresher training every twelve (12) months except AOR specific AT Level I training which shall be completed as required by local AT policies

If training cannot be conducted on the website, the Contractor shall coordinate with the COR who will contact the local AT Officer at their assigned location for classroom training. Contractor personnel completing training in the classroom will receive a certificate or the training attendance roster signed by the AT Officer. Verification of the training shall be provided to the COR within ten (10) calendar days after completion of the training.

**1.9.2 OPSEC Training:** Contractor employees, including subcontractors, shall complete Level I OPSEC training within thirty (30) calendar days of employment under this contract. OPSEC Level I training is available at <http://www.cdse.edu/catalog/elearning/GS130.html>. Contractor personnel must complete refresher training every 12 months. If training cannot be conducted on the website, the Contractor shall coordinate with the COR who will contact the local OPSEC Officer at their assigned location for classroom training. Contractor personnel completing training in the classroom will receive a certificate or the training attendance roster signed by the OPSEC Officer. Verification of the training shall be provided to the COR within 10 calendar days after completion of the training.

**1.9.3 iWATCH Training:** The contractor and all associated subcontractors will brief all employees on the local iWATCH program (training standards provided by the requiring activity ATO). This locally 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 will be completed within thirty (30) calendar days after the contract is awarded and within thirty (30) calendar days after new employees commence contract performance, with the results reported to the COR within thirty (30) calendar days after the contract is awarded and no later than five (5) calendar days after completion. All training materials can be found at <http://www.detrack.army.mil/ready/iwatch.cfm/>.

**1.9.4 Information Assurance (IA) Training:** Reserved.

**1.9.5 Foreign (OCONUS) Requirements:**

**1.9.5.1 Theater and Country Clearance Requirements:** Contractor shall ensure all U.S. citizen or U.S. resident Contractor employees and Sub-Contractor employees performing services under this contract comply with the training and Theater/Country Clearance requirements listed in the Government Foreign Clearance Guide for the country in which they will be employed. The requirements can be found at <https://www.fcg.pentagon.mil/fcg.cfm>. Verification of the training shall be made available to the KO or COR upon request.



## PART 2

### DEFINITIONS & ACRONYMS

#### 2. Definitions and Acronyms:

##### 2.1 Definitions:

**Active Infrastructure (AI)** – Specialized equipment and associated cabling approved for connection of secure multi-enclave AIS systems. Systems include: switches, routers, and cryptographic devices (up to SECRET).

**Audio/Visual Systems (AV)** – Large screen displays, programmable control systems (touch panels, KVMs, etc.), multi-source routing, speakers, microphones, video teleconferencing suites, multi-display systems, media converters, and audio mixing equipment.

**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.

**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.

**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.

**Defective Service** - A service output that does not meet the standard of performance associated with the Performance Work Statement.

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

**Desktop Automated Information Systems (AIS)** – Specialized equipment and associated cabling approved for secure multi-enclave computing, telephony, and desktop video conferencing. Systems include: computers, monitors, headphones, Common Access Card (CAC) readers, secure Keyboard/Video/Mouse (KVM) switch, analog/digital/VoIP telephones, and desktop video teleconferencing systems (up to SECRET).

**Department of Defense (DoD) Manuel 5200.01** – DoD information Security Program Manuel that includes overview, classification, declassification, marking of classified information, protection of classified information and Controlled unclassified Information (CUI).

**Electronic Security Systems (ESS)** – Security panels, sensors, cameras, badge readers and all others associated with Intrusion Detection Systems (IDS), Access Control Systems (ACS), and Closed Circuit Television (CCTV).

**Enterprise-Wide Contractor Manpower Reporting (eCMRA)** - Section 2330a of title 10, United States Code (10 USC 2330a), requires the Secretary of Defense to submit to Congress an annual inventory of contracts for services performed during the prior fiscal year for or on behalf of the Department of Defense (DoD). The inventory must include the number of contractor employees using direct labor hours and associated cost data collected from contractors.

**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.

**Local national Screening Program (LNPS)** – The LNPS requires a National Agency Check equivalent on all Local Nationals and U.S. personnel with Work Visas applying for employment with the U.S. military or requiring access to United States Army, Europe installations.

**Optical Time Dispersion Reflectance (OTDR)** – The process used to precisely detect faults in an optical fiber link of a communication network.

**Passive Infrastructure (PI)** – Cabling, hardware, conduit, racks, patch panels, and physical, non-powered infrastructure required for the connection of AI and AIS systems.

**Performance Work Statement (PWS)** - A statement of work for performance-based acquisitions that describes the required results in clear, specific, and objective terms with measurable outcomes.

**Physical Security** - Actions that prevent the loss or damage of Government property.

**Quality Assurance** - The government procedures to verify that services being performed by the Contractor are performed according to acceptable standards.

**Quality Assurance Surveillance Plan (QASP)** - An organized written document specifying the surveillance methodology to be used for surveillance of contractor performance.

**Quality Control** - All necessary measures taken by the Contractor to assure that the quality of an end product or service shall meet contract requirements.

**Returned Merchandise Authorization (RMA)** - Part of the process of returning a product in order to receive a refund, replacement, or repair during the product's warranty period.

**Shall** - Imperative.

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

**U.S. Navy's Space and Naval Warfare Command Atlantic (SPAWAR LANT)** - U.S. Navy's Space and Naval Warfare Command, Atlantic headquartered in Charleston, SC

**USAG Stuttgart Command Policy Memorandum #58** – Standardized installation access control requirements for entering USAG Stuttgart installations relating to personnel screening, permanent and temporary installation passes.

**Work Day** - The number of hours per day the Contractor provides services in accordance with the contract.

**Work Week** - Monday through Friday, unless specified otherwise.

## 2.2 Acronyms:

ACOR	Alternate Contracting Officer's Representative
AER	Army Europe Regulation
AFFSSIR	Armed Forces Repository of Specimen Samples
AFARS	Army Federal Acquisition Regulation Supplement
AI	Active Infrastructure
AIS	Automated Information System
ANSI	American National Standards Institute
AOR	Area of Responsibility
AR	Army Regulation
AT	Anti-Terrorism
AV	Audio-Video
BICES	Battlefield Information Collection and Exploitation System
BOM	Bill of Materials
CAT6	Category 6
CCE	Contracting Center of Excellence
CENTRIXS	Combined Enterprise Regional Information Exchange System
CFR	Code of Federal Regulations
Class	Classified
CLIN	Contract Line Item Number
CMR	Contract Manpower Reporting
COTR	Contracting Officer's Technical Representative
COTS	Commercial-Off-the-Shelf
CONUS	Continental United States (excludes Alaska and Hawaii)
COR	Contracting Officer Representative
CSG	Civilian Support Group
CSP	Construction Security Plan
DA	Department of the Army
DD250	Department of Defense Form 250 (Receiving Report)
DD254	Department of Defense Contract Security Requirement List
DFARS	Defense Federal Acquisition Regulation Supplement
DMDC	Defense Manpower Data Center
DNA	Deoxyribonucleic Acid
DOD	Department of Defense
DODD	Department of Defense Directive
DODI	Department of Defense Instruction
DPW	Department of Public Works
eCRMA	Enterprise-Wide Contractor Manpower Reporting
ESS	Electronic Security System
FAR	Federal Acquisition Regulation
FHP	Force Health Protection
FY	Fiscal Year
GFE	Government Furnished Equipment
GFP	Government Furnished Property
GFS	Government Furnished Services
HIPAA	Health Insurance Portability and Accountability Act of 1996
IA	Information Assurance
IAW	In Accordance With
IDP	Installation Design Plan
IITS	Integrated Installation and Testing Support
IT	Information Technology
ISP	Inside Plant
JPAS	Joint Personnel Adjudication System
JTR	Joint Travel Regulation
KO	Contracting Officer
LC	Local Connector (IEC 61754-20 standard)
LNPS	Local national Screening Program

LOA	Letter of Authorization
MM	Multi Mode
NIST	National Institute of Standards and Technology
NIPR	Non-secure Internet Protocol Router Network
OCI	Organizational Conflict of Interest
OCONUS	Outside Continental United States (includes Alaska and Hawaii)
ODC	Other Direct Costs
OGS	Other Government System
OPSEC	Operation Security
OSP	Outside Plant
OTDR	Optical Time Dispersion Reflectance
PCR	Program Change Request
PDS	Protected Distribution System
PDU	Power Distribution Unit
PI	Passive Infrastructure
PIPO	Phase In/Phase Out
POA&M	Plans of Action and Milestone
POC	Point of Contact
POTS	Plain Old Telephone Service
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
RA	Requiring Activity
RMAs	Replacements/Returns Merchandise Authorizations
SIPR	Secure Internet Protocol Router Network
SOP	Standard Operating Procedures
SOVT	System Operational Verification Test
SPAWAR	U.S. Navy's Space and Naval Warfare Command
SPOT	Synchronized Pre-deployment and Operational Tracker
SSO	Special Security Office
TCN	Third Country National
TE	Technical Exhibit
TPOC	Technical Point of Contact
TR	Telecommunications Room
Unclass	Unclassified
U.S.C.	United States Code
USAFRICOM	United States Africa Command
WAO	Work Area Outlet

**PART 3**  
**Government FURNISHED PROPERTY, EQUIPMENT, AND SERVICES**

**3. Government Furnished Items and Services:**

**3.1 Services:** Reserved.

**3.2 Facilities:** Reserved.

**3.3 Utilities:** The Government will provide all utilities available in the facility for the Contractor use in performance of tasks outlined in this PWS. The Contractor shall instruct employees in utilities conservation practices. The contractor shall be responsible for operating under conditions that preclude the waste of utilities, which include turning off the water faucets or valves after using the required amount to accomplish cleaning vehicles and equipment, turning off lights, and powering off equipment at the end of the work day.

**3.4 Equipment:** Reserved.

**3.5 Property Management:** For all issued GFP for this contract, the contractor shall submit a property management plan within ten (10) days to the COR and KO that addresses the requirements as listed in FAR Clause 52.245-1, Government Property. Contractor shall ensure GFP is maintained IAW AR 735-5, Policies and Procedures for Property Accountability, in addition to the aforementioned clause.

**3.6 Materials:** Reserved.

**3.7 Training:** Reserved.

**3.8 Common Access Cards (CAC):** The Government will provide Common Access Cards (CAC) via the Trusted Associate Sponsorship System (TASS) (Web site <https://www.dmdc.osd.mil/tass/>)

**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 and listed in the IDP BOM (Part 7, Technical Exhibit A) that are not listed under Part 3 of this PWS.

**4.2 Secret Facility Clearance** The contractor shall possess and maintain a SECRET facility clearance from the Defense Security Service IAW DoD 5220.22-M, National Industrial Security Program Operating Manual (NISPOM) and AR 380-49, Industrial Security Program. The Contractor's employees, performing work in support of this contract shall have been granted a SECRET personnel security clearance from the Defense Industrial Security Clearance Office. The Facility Security Clearance must match the highest security clearance required for personnel. The DD 254, Department Of Defense Contract Security Classification Specification is provided as an attachment in the basic contract.

**4.3 Materials:** The Contractor shall provide all ancillary installation materials for the installation to include but not limited to cable and device labels, lacing bars (for audio/visual racks), low profile Panduit, rack screws and cage nuts, screws/nuts/bolts/washers, electrical tape (green & red), shrink tubing in various sizes, Velcro in various sizes (green & red), and firestop material (as certified by the Deutsches Institut fur Bautechnik (DiBt)) to meet the requirements of the IDP and under this PWS.

**4.4 Equipment:** The Contractor shall provide vehicles, hand tools, and test equipment to meet the requirements under this PWS.

The Contractor shall procure all the equipment/materials listed in the IDP and any other miscellaneous materials required for installation not specifically identified within the IDP to produce an operational and functioning system.

**4.5 Common Access Cards (CAC):** The contractor shall provide the following information: Last, First Middle Name, Cadency Name, Person identifier (SSN, FIN, or TIN), date of birth, primary email (this email will be used to contact the individual) to the COR with 15 calendar days after award. The contractor shall provide a CAC log within the first 30 calendar days after contract award and within 5 calendar days after changes have been made. The COR will provide the format and content. Note CACs are Government property and must be accounted for.

## **PART 5 SPECIFIC TASKS**

**5.0 Basic Services:** Contractor shall provide non-personal services, installation, and testing of new equipment specified within Government approved IDP BOM (Part 7, Technical Exhibit A).

### **5.1 IDP/Design Review and Verification:**

5.1.1 Upon award, the Contractor shall review the IDP (Part 7, Technical Exhibit A) provided at the time of this solicitation for technical accuracy and feasibility, typos/misspellings, missing information necessary to complete the installation, and shortfalls or inaccuracies in IDP BOM (Technical Exhibit A) and Requirements document (Part 7, Technical Exhibit B). The Contractor shall then update the IDP and Bill materials with the required changes, with the approval of the Project Engineer (PE) and COR.

5.1.2. The Contractor shall return the IDP with comments within 15 business days upon award.

5.1.3 The Contractor shall legibly comment physically on the design drawing/IDP in a digital format for transmission to the COR/PE supporting this task. The comments can either be done digitally onto the AUTOCAD file, PDF document, or on a scan of the printed design.

5.1.4 The Contractor shall compile all design comments into a spreadsheet in XLSX format. The spreadsheet shall have the following columns of information: Drawing # (from design), Discipline (AIS, A/V, ESS), Comment/Issue (from reviewing engineer), Reviewer (by name), Date Reviewed, Recommended Solution (if applicable to an issue with the design).

5.1.5 The Contractor shall submit the digital file separate by disciplines as outlined above, i.e. 1 file per discipline. If comments are done in AUTOCAD format, the Contractor shall return the files in the same format and structure as provided in this PWS.

5.1.6 The Contractor shall participate in a Question & Answer (Q&A) session with the COR and other technical representatives (as appointed) within 5 business days of returning the IDP with comments. The Contractor shall record and document any additional comments or feedback discussed at this meeting.

5.1.8 Upon completion of the Q&A session and final submission of comments by the Contractor and Government provides approval of the feedback, the Contractor shall agree to inherit all technical risk and financial responsibility (labor, equipment, and materials) of the IDP if additional technical errors, mistakes, omissions, and equipment shortfalls are not found during the evaluation period (defined as the review period and Q&A session or 15 business days after award). The Contractor shall fix or remediate the issue as approved by the Project Engineer and COR.

### **5.2 Progress Meetings:**

5.2.1 The Contractor shall attend in-person all the meetings relevant to Building 3307 IITS and closely coordinate access/survey/materials delivery/installation/testing with Government representative, tenants, security and all other relevant stakeholders.

5.2.2 The Contractor shall attend, participate in, and furnish input to scheduled and unscheduled meetings, conferences, and briefings that relate to the functions and services herein as required by the Government to provide effective communication and impart necessary information. The Project Manager or designated representative shall attend meetings as requested by the Government. Meeting attendees shall at times include Contractor managerial, supervisory, and other personnel knowledgeable of the subject matter. Meetings may start or end outside of regular duty hours.

5.3 Coordination Support: Contractor shall work closely with the COR/SPAWAR Government Project Manager, Technical Point of Contact (TPOC), and support the needs of the project at the sponsor level. On-site coordination of meetings, developing agenda items, attending at high-level meetings, generating minutes,

and tracking action items shall be required. Support may require the Contractor to recommend policies, doctrine, tactics, and procedures at the DoD, Federal, State, and Local level given their past experience, expert opinion or using analysis of actual outcomes. The TPOC shall be included on all data and non-data deliverables listed in this PWS Meeting minutes shall be submitted no later than 2 days after the meeting.

5.4 Plans of Action and Milestone (POA&M): The Contractor shall develop a Plan of Action and Milestones (POA&M) for all tasks and mile-stones associated with this SOW and submit to the COR and TPOC. The POA&M shall show the completion of all tasks, including review periods. The POA&M shall also include all contract and installation milestones. It shall utilize a Work Breakdown Structure (WBS) to compartmentalize the effort into definable work efforts and to show assigned resources to each work element and the amount of time in business days necessary to complete each element. The POA&M shall show the inter-dependencies between all tasks and sub-tasks. It shall have a Projected versus Actual versus Baseline tracking basis and shall identify tasks, dependencies, baseline start dates, baseline finish dates, baseline durations, and percent complete for each task and sub-task. It shall be developed in Microsoft Office Project 2007 or later version.

A draft POA&M, baseline POA&M, and monthly POA&M updates shall be submitted. Monthly updates for the POA&M and all other monthly project management artifacts shall be submitted simultaneously prior to 5:00PM Central European Time (CET) on the 10th of each month at which time the Government COR/TPOC has three (3) business days to provide comments and the Contractor shall update three (3) business days thereafter. The Contractor shall re-baseline the POA&M and provide up to two (2) intra-monthly schedule updates as required by the TPOC and COR.

The baseline POA&M shall be provided to the COR and TPOC within 10 business days after contract award.

5.5 Desktop AIS Installation and Testing:

5.5.1 The Contractor shall procure and install all Desktop AIS systems, patch cords, and power strips to support the installation.

5.5.2 The Contractor shall install, label, and test all systems in accordance with Part 7, Technical Exhibit A.

5.5.3 The Contractor shall install all desktop patch cords between the Desktop AIS, Active and associated Work Area Outlet (WAO).

5.5.4 The Contractor shall inventory all Active, Desktop AIS systems and document make, model, P/N, serial number, and location within the facility for all PCs, monitors, KVMs, digital/VoIP phones, printers, and digital senders/scanners. Is to be provided immediately upon identification of equipment reporting to the COR and TPOC

5.5.5 The Contractor shall test all Desktop AIS systems as specified in Part 7, Technical Exhibit A (unless specifically noted as being tested by others). The Contractor shall use a Government provided test plan and shall be witnessed by the Project Engineer.

5.5.6 The Contractor shall provide and label all desktop KVM positions with its classification in accordance with AFRICOM Special Security Office (SSO) policy. The Contractor shall labeled the positions as UNCLASSIFIED (green color), SECRET (red color), COALITION (blue color), or Other Government System (OGS) (color dependent on classification of the system) for special systems.

5.5.7 The Contractor shall maximize the use of cable management systems and ensure all cables maintain TEMPEST separation and label.

5.5.8 The Contractor shall inspect all Desktop AIS for visible damage or blemishes and notify the Project Engineer prior to installation.



5.5.9 The Contractor shall notify the Project Engineer of any equipment reporting errors, found defective, or non-operational and should be re-packaged in original packing materials. The Government will coordinate equipment replacements/Return Merchandise Authorizations (RMAs). The Contractor shall re-test the equipment upon replacement by the Government.

5.5.10 The Contractor shall document and keep record of all equipment reported and/or turned over for RMA and provide copies to the Project Engineer and COR. Is to be provided immediately upon any equipment reporting errors, found defective, or non-operational.

5.5.11 The Contractor shall document all deviations from reference and provide to the Project Engineer and COR for final approval via E-mail. PCR configuration management will be provided by the Government.

5.5.12 The Contractor shall receive written approval from the Project Engineer and COR prior to deviating from Part 7, Technical Exhibit A. The Contractor shall document all deviations in the form of engineering red-lines to Part 7, Technical Exhibit A. The Contractor shall receive approval from the TPOC for all red-lines prior to documenting them on the installation plan.

5.5.13 The Contractor shall utilize best Department of Defense (DoD) and Industry practices during the installation and shall be responsible for immediate repair of any damages to existing facilities/infrastructure. The Contractor shall be liable for any damages incurred during installation of the Government provided equipment/materials.

5.6 A/V Installation and Testing:

5.6.1 The Contractor shall procure and install all AV systems to support the installation.

5.6.2 The Contractor shall install and test all AV systems in accordance with Part 7, Technical Exhibit A.

5.6.3 The Contractor shall label all AV systems, AV racks/cabinets, and patch/power/ground cables in accordance with Part 7, Technical Exhibit A. All labels shall be labeled consistently, right-side up and easily visible without having to move, remove, or relocate cables. The Contractor shall remediate if not done properly and the government will not be responsible for rework.

5.6.4 The Contractor shall procure, install, and ground all AV in accordance with manufacturer specifications and Part 7, Technical Exhibit A.

5.6.5 The Contractor shall inventory AV systems and document make, model, P/N, serial number, and location within the facility for all large screen displays, programmable control systems (touch panels, KVMs, etc.), multi-source routing, speakers, microphones, video teleconferencing systems, multi-display systems, media converters, and audio mixers.

5.6.6 The Contractor shall design, print, and laminate AV Quick Reference Guides for all areas with AV in accordance with AFRICOM AV standards. The Government will provide the AFRICOM AV standards guide.

5.6.7 The Contractor shall notify the Project Engineer of any equipment reporting errors, found defective, or non-operational and should be re-packaged in original packing materials. The Government will coordinate equipment replacements/Return Merchandise Authorizations (RMAs). The Contractor shall re-test the equipment upon replacement by the Government.

5.6.8 The Contractor shall document and keep record of all equipment reported and/or turned over for RMA to the Project Engineer.

5.6.9 The Contractor shall document all deviations from Part 7, Technical Exhibit A. and provide to the Project Engineer and COR for final approval via E-mail. PCR configuration management will be provided by the Government.

5.6.10 The Contractor shall receive written approval from the Project Engineer and COR prior to deviating from Part 7, Technical Exhibit A. The Contractor shall document all deviations in the form of engineering red-

lines to Part 7, Technical Exhibit A. The Contractor shall receive approval from the Project Engineer for all red-lines prior to documenting them on the installation plan.

5.6.11 The Contractor shall hard-wire the power for auxiliary equipment (e.g. fans, lights, convenience outlets) for Audio/Visual rack(s).

5.6.12 The Contractor shall fire stop all penetrations (used by IT installation) in compliance with each wall fire rating and Part 7, Technical Exhibit A, and to eliminate noise between rooms.

5.6.13 The Contractor shall utilize best Department of Defense (DoD) and Industry practices during the installation and shall be responsible for immediate repair of any damages to existing facilities/infrastructure. The Contractor shall be liable for any damages incurred during installation of the Government provided equipment/materials.

#### 5.7 Active Infrastructure (AI)/NETWORK SYSTEMS INSTALLATION and Testing

5.7.1 The contractor shall provide all AI systems and patch cords to support the installation.

5.7.2 The Contractor shall install all AI devices as specified in Part 7, Technical Exhibit A. These systems include Unclassified, Secret, and BICES.

5.7.3 The Contractor shall install all patch cables (except POTS telephone patches) between AI and vertical and horizontal passive infrastructure in accordance with Part 7, Technical Exhibit A. Patching (data and power) should be done in a manner to not block removable network cards, modules, or mounting rails and shall be installed consistently in cable management systems.

5.7.4 The Contractor shall install rack/cabinet ground bus bars and ground all AI in accordance with manufacturer specifications and Part 7, Technical Exhibit A. The Contractor shall label all AI, racks/cabinets, and patch/power/ground cables in accordance with Part 7, Technical Exhibit A. All labels shall be labeled consistently, right-side up and easily visible without having to move, remove, or relocate cables.

5.7.5 The Contractor shall use rack/cabinet mounting hardware that does not require special or non-common tools, i.e. torx screws.

5.7.6 The Contractor shall install (2) metered Power Distribution Units (PDUs) in each cabinet in accordance with Part 7, Technical Exhibit A. The Contractor shall label each PDU with the power panel circuit identifier.

5.7.7 The Contractor shall install AI power cables on separate PDUs and/or separate PDU circuits if the AI has multiple power supplies to maximize redundancy.

5.7.8 The Contractor shall inventory all Unclassified, Secret, and Coalition (BICES, CENTRIXS) AI. The inventory shall include manufacturer, model, part number, serial #, and location. The inventory shall be verified and added as an appendix to the test plan.

5.7.9 The Contractor shall test AI by running POST, SHOW CONFIG, and SHOW TECH-SUPPORT commands and ensure no failures or errors were reported. Any failure or error shall be reported to the Project Engineer.

5.7.10 The Contractor shall inspect all AI for visible damage or blemishes and notify the Project Engineer prior to installation.

5.7.11 The Contractor shall notify the Project Engineer of any equipment reporting errors, found defective, or non-operational and should be re-packaged in original packing materials. The Government will coordinate equipment replacements/Return Merchandise Authorizations (RMAs). The Contractor shall re-test the equipment upon replacement by the Government.

5.7.12 The Contractor shall document all deviations from Part 7, Technical Exhibit A. and provide to the Project Engineer and COR for final approval via E-mail. PCR configuration management will be provided by the Government.

5.7.13 The Contractor shall receive written approval from the Project Engineer and COR prior to deviating from Part 7, Technical Exhibit A. The Contractor shall document all deviations in the form of engineering red-lines to Part 7, Technical Exhibit A. The Contractor shall receive approval for all red-lines prior to documenting them on the installation plan.

## 5.8 Passive Infrastructure (PI) Installation and Testing

5.8.1 The contractor shall provide all PI (fiber & copper) to support the installation.

5.8.2 All wall penetrations for primary pathways and floor boxes have been completed by the construction contractor.

5.8.3 The Contractor shall install, terminate, and test all PI (horizontal and vertical) in accordance with Part 7, Technical Exhibit A. The PI consists of UNCLASSIFIED copper, SECRET copper, and COALITION copper.

5.8.4 The Contractor shall procure, install, and ground all cable trays within the facility in accordance with Part 7, Technical Exhibit A.

5.8.5 The Contractor shall label all PI and WAOs in accordance with Part 7, Technical Exhibit A. All labels shall be labeled consistently, right-side up and easily visible without having to move, remove, or relocate cables.

5.8.6 The Contractor shall inspect all PI for visible damage or blemishes and notify the Project Engineer prior to installation.

5.8.7 The Contractor shall document all deviations from Part 7, Technical Exhibit A. and provide to the Project Engineer and COR for final approval via E-mail. PCR configuration management shall be provided by the Government.

5.8.8 The Contractor shall receive written approval from the Project Engineer prior to deviating from Part 7, Technical Exhibit A. The Contractor shall document all deviations in the form of engineering red-lines to Part 7, Technical Exhibit A. The Contractor shall receive approval for all red-lines prior to documenting them on the installation plan.

## 5.9 Electronic Security System (ESS) Design, Installation and Testing

### 5.9.1 ESS Installation Design Plan

5.9.1.1 The contractor shall develop a separate Installation Design Plan for the Bldg. 3307 ESS. The contractor shall produce 30%, 60%, 90% and As-built iterations. The contractor shall provide the IDP and As-built iterations to the Project Engineer and COR.

5.9.1.2 The 90%/As-built IDP drawings shall be provided with customization to account for unique elements associated with building 3307. Existing drawings for building 3307 shall be updated to reflect the changes from the relocated equipment. Each design deliverable shall be subject to a SPAWAR TPOC and stakeholder design review approval process, with comments to be incorporated into the next design revision. The contractor shall revise an existing IDP and modify to meet modified Shore Installation Process Handbook (SIPH) format with submittals for approval at conceptual design (30%), equipment specifications (60%), construction (90%), and project completion (100%) stage. The COR and TPOC will provide an example of the modified SIPH format and will be provided upon request and within ten (10) days after award. The IDP shall be developed to convey the installation and operational provisions of the installation in sufficient detail to ensure no misunderstanding of design intentions or functional capabilities. All other devices and equipment within this building shall be included in this packages for building 3307 to include any equipment that is

existing. Each building, if applicable, shall have its own package prepared. If any equipment or devices are not modified by this tasking, the existing IDPs shall be used to be incorporated into this new package. The IDPs shall be created using AutoCAD 2012 or latest version, and provided electronically in PDF and CAD after each design phase (30%, 60%, 90%,) to the COR and TPOC. For the As-built IDP, the contractor shall provide electronically in PDF and CAD format.

5.9.1.3 The design reviews shall be structured and include at a minimum the following sections for each review.

5.9.1.3.1 30% Design Review:

- ☐ 020: Vicinity Site Map
- ☐ 040: Floorplan
- ☐ 060: Simplified Block Diagrams
- ☐ 160: Cable Routing Layout

5.9.1.3.2 60% Design Review

- ☐ Sections from 30% Review updated as necessary
- ☐ 022: Master Parts List (Excel version)
- ☐ 040: Floorplans and Elevations
- ☐ 070: Cabling Block Diagrams (utilize 060's to begin)

5.9.1.3.3 90% Design Review

- ☐ Sections from 60% Review updated as necessary
- ☐ 022: Master Parts List (CAD version)
- ☐ 040: with bubble call outs
- ☐ 070: with bubble call outs
- ☐ 080: Cable Run Sheets
- ☐ 120: Labeling
- ☐ 130: Patch Panel Layouts
- ☐ 140: Power Distribution (if needed)
- ☐ 180: Misc. Install Details

5.9.1.4 For 3309 tasking, the contractor shall update the existing site drawings with the changes made as part of the tasking in Section 5.9.3

5.9.2 Building 3307 Tasking

5.9.2.1 Third Floor Telecommunication Room (TR) (306) The contractor shall

- 5.9.2.1.1 Procure and Install one (1) CDX-10 High Security Combination Lock
- 5.9.2.1.2 Procure and Install one (1) Multi-Class Entry Card Reader w/ PIN pad (RPK40)
- 5.9.2.1.3 Procure and Install one (1) Multi-Class Exit Card Reader (RP40)
- 5.9.2.1.4 Procure and Install door hardware consisting of one (1) Electric Strike (fail safe) or one (1) magnetic lock (600lbs or greater) and one (1) High Security Switch (HSS-L2D-000)
- 5.9.2.1.5 Procure and Install two (2) 360 degree PIR motion detection devices to protect interior space
- 5.9.2.1.6 Procure and Install emergency hardware consisting of one (1) Emergency Exit Button and one (1) Exit Alarm Annunciator with Strobe (RED) and one (1) Key Base.
- 5.9.2.1.7 Procure and Install one (1) Arming Control Unit (LNL-CK) on the secure side of Telcom door including one (1) Multi-Class Mini-Mullion Reader (RP10) and one (1) LED Status Display
- 5.9.2.1.8 Procure and Install one (1) Intelligent System Controller (LNL-2220), and one (1) Alarm Input Module (LNL-1100), and one (1) fiber transceiver inside a two module enclosure (LNL-CTX)
- 5.9.2.1.9 Procure and install one (1) power supply in separate enclosure sufficient to power the ESS equipment and provide battery backup sufficient for eight (8)

- hours of battery uptime.
  - 5.9.2.1.10 Procure and Install one (1) GSA Approved Medeco Style Key Cylinder for electric strike installation. If Key Core is not provided or a magnetic lock (600lbs or greater) is used, the Contractor shall procure and install one (1) Key Override with GSA Approved Medeco Style Key Cylinder.
  - 5.9.2.1.11 Procure and Install door hardware to match use and operation of access control as required
- 5.9.2.2 Fourth Floor US Main Entry (401AST) The contractor shall
- 5.9.2.2.1 Procure and Install one (1) CDX-10 High Security Combination Lock
  - 5.9.2.2.2 Procure and Install one (1) Multi-Class Entry Card Reader w/ PIN pad (RPK40)
  - 5.9.2.2.3 Procure and Install one (1) Multi-Class Exit Card Reader (RP40)
  - 5.9.2.2.4 Procure and Install door hardware consisting of one (1) Electric Strike (fail safe) or one (1) magnetic lock (600lbs or greater) and one (1) High Security Switch (HSS-L2D-000)
  - 5.9.2.2.5 Procure and Install two (2) 360 degree PIR motion detection devices to protect interior space
  - 5.9.2.2.6 Procure and Install emergency hardware consisting of one (1) Emergency Exit Button and one (1) Exit Alarm Annunciator with Strobe (RED) and one (1) Key Base.
  - 5.9.2.2.7 Procure and Install one (1) Arming Control Unit (LNL-CK) on the secure side of entrance door including one (1) Multi-Class Mini-Mullion Reader (RP10) and one (1) LED Status Display
  - 5.9.2.2.8 Procure and Install one (1) GSA Approved Medeco Style Key Cylinder for electric strike installation. If Key Core is not provided or a magnetic lock is used, the Contractor shall procure and install one (1) Key Override with GSA Approved Medeco Style Key Cylinder.
  - 5.9.2.2.9 Procure and Install door hardware to match use and operation of access control as required
- 5.9.2.3 Fourth Floor TR (404H) The contractor shall
- 5.9.2.3.1 Procure and Install one (1) CDX-10 High Security Combination Lock
  - 5.9.2.3.2 Procure and Install one (1) Multi-Class Entry Card Reader w/ PIN pad (RPK40)
  - 5.9.2.3.3 Procure and Install one (1) Multi-Class Exit Card Reader (RP40)
  - 5.9.2.3.4 Procure and Install door hardware consisting of one (1) Electric Strike (fail safe) or one (1) magnetic lock (600lbs or greater) and one (1) High Security Switch (HSS-L2D-000)
  - 5.9.2.3.5 Procure and Install two (2) 360 degree PIR motion detection devices to protect interior space
  - 5.9.2.3.6 Procure and Install emergency hardware consisting of one (1) Emergency Exit Button and one (1) Exit Alarm Annunciator with Strobe (RED) and one (1) Key Base.
  - 5.9.2.3.7 Procure and Install one (1) Arming Control Unit (LNL-CK) on the secure side of Telecom door including one (1) Multi-Class Mini-Mullion Reader (RP10) and one (1) LED Status Display
  - 5.9.2.3.8 Procure and Install two (2) Intelligent System Controllers (LNL-2220), and two (2) Alarm Input Modules (LNL-1100), seven (7) dual-reader modules, one (1) star-multiplexer, and two (2) fiber transceiver inside two (2) 6-module enclosures (LNL-CTX6)
  - 5.9.2.3.9 Procure and install two (2) power supplies in separate enclosure sufficient to power the ESS equipment and provide battery backup sufficient for eight (8) hours of battery uptime each.
  - 5.9.2.3.10 Procure and Install one (1) GSA Approved Medeco Style Key Cylinder for electric strike installation. If Key Core is not provided or a magnetic lock is used, the Contractor shall procure and install one (1) Key Override with GSA Approved Medeco Style Key Cylinder.
  - 5.9.2.3.11 Procure and Install door hardware to match use and operation of access

control as required

5.9.2.4 Fourth Floor LNO Main Entry (410ST) The contractor shall

- 5.9.2.4.1 Procure and Install one (1) CDX-10 High Security Combination Lock
- 5.9.2.4.2 Procure and Install one (1) Multi-Class Entry Card Reader w/ PIN pad (RPK40)
- 5.9.2.4.3 Procure and Install one (1) Multi-Class Exit Card Reader (RP40)
- 5.9.2.4.4 Procure and Install door hardware consisting of one (1) Electric Strike (fail safe) or one (1) magnetic lock (600lbs or greater) and one (1) High Security Switch (HSS-L2D-000)
- 5.9.2.4.5 Procure and Install one (1) 360 degree PIR motion detection device to protect interior space
- 5.9.2.4.6 Procure and Install emergency hardware consisting of one (1) Emergency Exit Button and one (1) Exit Alarm Annunciator with Strobe (RED) and one (1) Key Base.
- 5.9.2.4.7 Procure and Install one (1) Arming Control Unit (LNL-CK) on the secure side of entrance door including one (1) Multi-Class Mini-Mullion Reader (RP10) and one (1) LED Status Display
- 5.9.2.4.8 Procure and Install one (1) GSA Approved Medeco Style Key Cylinder for electric strike installation. If Key Core is not provided or a magnetic lock is used, the Contractor shall procure and install one (1) Key Override with GSA Approved Medeco Style Key Cylinder.
- 5.9.2.4.9 Procure and Install door hardware to match use and operation of access control as required

5.9.2.5 Fourth Floor LNO Office Zone 1 (407AH) The contractor shall

- 5.9.2.5.1 Procure and Install one (1) CDX-10 High Security Combination Lock
- 5.9.2.5.2 Procure and Install one (1) Multi-Class Entry Card Reader w/ PIN pad (RPK40)
- 5.9.2.5.3 Procure and Install one (1) Multi-Class Exit Card Reader (RP40)
- 5.9.2.5.4 Procure and Install door hardware consisting of one (1) Electric Strike (fail safe) or one (1) magnetic lock (600lbs or greater) and one (1) High Security Switch (HSS-L2D-000)
- 5.9.2.5.5 Procure and Install one (1) 360 degree PIR motion detection device to protect interior space
- 5.9.2.5.6 Procure and Install emergency hardware consisting of one (1) Emergency Exit Button and one (1) Exit Alarm Annunciator with Strobe (RED) and one (1) Key Base.
- 5.9.2.5.7 Procure and Install one (1) Arming Control Unit (LNL-CK) on the secure side of entrance door including one (1) Multi-Class Mini-Mullion Reader (RP10) and one (1) LED Status Display
- 5.9.2.5.8 Procure and Install one (1) GSA Approved Medeco Style Key Cylinder for electric strike installation. If Key Core is not provided or a magnetic lock is used, the Contractor shall procure and install one (1) Key Override with GSA Approved Medeco Style Key Cylinder.
- 5.9.2.5.9 Procure and Install door hardware to match use and operation of access control as required

5.9.2.6 Fourth Floor LNO Office Zone 2 (407BH) The contractor shall

- 5.9.2.6.1 Procure and Install one (1) CDX-10 High Security Combination Lock
- 5.9.2.6.2 Procure and Install one (1) Multi-Class Entry Card Reader w/ PIN pad (RPK40)
- 5.9.2.6.3 Procure and Install one (1) Multi-Class Exit Card Reader (RP40)
- 5.9.2.6.4 Procure and Install door hardware consisting of one (1) Electric Strike (fail safe) or one (1) magnetic lock (600lbs or greater) and one (1) High Security Switch (HSS-L2D-000)
- 5.9.2.6.5 Procure and Install one (1) 360 degree PIR motion detection device to protect interior space
- 5.9.2.6.6 Procure and Install emergency hardware consisting of one (1) Emergency

- Exit Button and one (1) Exit Alarm Annunciator with Strobe (RED) and one (1) Key Base.
- 5.9.2.6.7 Procure and Install one (1) Arming Control Unit (LNL-CK) on the secure side of entrance door including one (1) Multi-Class Mini-Mullion Reader (RP10) and one (1) LED Status Display
- 5.9.2.6.8 Procure and Install one (1) GSA Approved Medeco Style Key Cylinder for electric strike installation. If Key Core is not provided or a magnetic lock is used, the Contractor shall procure and install one (1) Key Override with GSA Approved Medeco Style Key Cylinder.
- 5.9.2.6.9 Procure and Install door hardware to match use and operation of access control as required
- 5.9.2.7 Fourth Floor Interior Emergency Exit (406A and 407C) The contractor shall
  - 5.9.2.7.1 For **\*\*each\*\*** Emergency Exit Door (QTY 2) install the following:
  - 5.9.2.7.2 Procure and Install one (1) Multi-Class Entry Card Reader w/ PIN pad (RPK40)
  - 5.9.2.7.3 Procure and Install one (1) Multi-Class Exit Card Reader (RP40)
  - 5.9.2.7.4 Procure and Install door hardware consisting of one (1) delayed egress magnetic lock and push bar and one (1) High Security Switch (HSS-L2D-000)
  - 5.9.2.7.5 Procure and Install one (1) 360 degree PIR motion detection device to protect interior space
  - 5.9.2.7.6 Procure and Install emergency hardware consisting of one (1) Emergency Exit Button and one (1) Exit Alarm Annunciator with Strobe (RED) and one (1) Key Base.
  - 5.9.2.7.7 Procure and Install one (1) LED Status Display showing status of zone
- 5.9.2.8 Fourth Floor 1<sup>st</sup> Layer Door LNO Entrance (410AST) The contractor shall
  - 5.9.2.8.1 Procure and Install one (1) Multi-Class Entry Card Reader w/ PIN pad (RPK40)
  - 5.9.2.8.2 Procure and Install door hardware consisting of one (1) Electric Strike (fail safe) and one (1) High Security Switch (HSS-L2D-000)
  - 5.9.2.8.3 Procure and Install one (1) GSA Approved Medeco Style Key Cylinder
  - 5.9.2.8.4 Procure and Install door hardware to match use and operation of access control as required.
- 5.9.2.9 Fourth Floor 1<sup>st</sup> Layer Door US Entrance (401ST) The contractor shall
  - 5.9.2.9.1 Procure and Install one (1) Multi-Class Entry Card Reader w/ PIN pad (RPK40)
  - 5.9.2.9.2 Procure and Install door hardware consisting of one (1) Electric Strike (fail safe) and one (1) High Security Switch (HSS-L2D-000)
  - 5.9.2.9.3 Procure and Install one (1) GSA Approved Medeco Style Key Cylinder
  - 5.9.2.9.4 Procure and Install door hardware to match use and operation of access control as required.
- 5.9.2.10 Fourth Floor Attic The contractor shall
  - 5.9.2.10.1 Procure and Install five (5) 90 degree/curtain PIR motion detection devices to cover communication pathway
  - 5.9.2.10.2 Tie to 4<sup>th</sup> floor TR mask group
  - 5.9.2.10.3 Procure and Install one (1) 90 degree PIR motion detection device to cover Attic Door leading from mechanical room
  - 5.9.2.10.4 Procure and Install one (1) High Security Switch (HSS-L2D-000) for Attic Door leading from mechanical room
- 5.9.2.11 Basement TR The contractor shall
  - 5.9.2.11.1 Procure and Install three (3) fiber transceivers and conduit path to existing ESS network switch from demarcation point in basement. If ports are not available, the contractor shall procure and install an additional network switch to be placed in the ESS wall mounted rack.

### 5.9.3 AFRICOM Building 3309 Tasking

#### 5.9.3.1 Second Floor

- 5.9.3.1.1 New Main Entrance The contractor shall
  - 5.9.3.1.1.1 Procure and Install one (1) CDX-10 High Security Combination Lock
  - 5.9.3.1.1.2 Relocate and Install one (1) Entry Card Reader w/ PIN pad (RPK40)
  - 5.9.3.1.1.3 Relocate and Install one (1) Exit Card Reader (RP40)
  - 5.9.3.1.1.4 Procure and Install door hardware consisting of one (1) Electric Strike (fail safe) or one (1) magnetic lock (600lbs or greater) and one (1) High Security Switch (HSS-L2D-000)
  - 5.9.3.1.1.5 Relocate and Install one (1) 360 degree PIR motion detection device to protect interior space near new boundary door
  - 5.9.3.1.1.6 Procure and Install emergency hardware consisting of one (1) Emergency Exit Button and one (1) Exit Alarm Annunciator with Strobe (RED) and one (1) Key Base.
  - 5.9.3.1.1.7 Relocate and Install one (1) Arming Control Unit (LNL-CK) on the secure side of entrance door
  - 5.9.3.1.1.8 Procure and Install one (1) Multi-Class Mini-Mullion Reader (RP10) and one (1) LED Status Display
  - 5.9.3.1.1.9 Procure and Install door hardware to match use and operation of access control
  - 5.9.3.1.1.10 Procure and Install one (1) GSA Approved Medeco Style Key Cylinder for electric strike installation. If Key Core is not provided or a magnetic lock is used, the Contractor shall procure and install one (1) Key Override with GSA Approved Medeco Style Key Cylinder.
  - 5.9.3.1.1.11 Procure and Install door hardware to match use and operation of access control as required
- 5.9.3.1.2 Second Floor, New Emergency Exit
  - 5.9.3.1.2.1 Procure and Install one (1) High Security Switch (HSS-L2D-010)
  - 5.9.3.1.2.2 Relocate and Install one (1) 360 degree PIR motion detection device to protect interior space near new boundary door
  - 5.9.3.1.2.3 Procure and Install emergency hardware consisting of one (1) Exit Alarm Annunciator with Strobe (RED) and one (1) Key Base.
  - 5.9.3.1.2.4 Procure and Install door hardware to match use and operation of access control as required.
- 5.9.3.1.3 Second Floor, current main entries (2 double doors)
  - 5.9.3.1.3.1 Procure and Install door hardware sets to match use and operation as required
  - 5.9.3.1.3.2 Remove any unused devices and patch and paint as necessary and/or provide blank gang box covers.
  - 5.9.3.1.3.3 The Contractor shall turnover unused equipment to AFRICOM security when installation has been completed.

5.9.3.2 ESS Signage Requirements: Contractor shall procure and install USAG-S approved ESS signage at entrances and emergency exits to include LED Status displays, exit card reader usage, emergency alarm annunciation, arming and disarming instructions, and opening and closing procedures.

5.10 ESS Information Assurance (IA) Requirements: The contractor shall update existing network diagrams and IA artifacts currently uploaded to the Enterprise Mission Assurance Support Service (eMASS). Artifacts include, but are not limited to, the Boundary Diagram, Hardware/Software Lists, Ports, Protocols, and Services List, Data Flow Diagram, and all related security checklists and scans to include Defense Information Systems Agency (DISA) Security Technical Implementation Guides (STIG) checklists for all added/modified network equipment and any device with an IP address. Existing artifacts will be made available post-award.

5.10.1 Equipment installed shall be compatible with the USAG-S Enterprise ESS and shall meet the Defense Information Assurance Risk Management Framework (DIARMF) requirements and latest STIGs.



5.10.2 Any network switch installed shall be on the DISA Unified Capabilities (UC) Approved Products List (APL)

5.11 System Operational Verification Test (SOVT):

The Contractor shall conduct testing and evaluation to ensure that all equipment and systems comply with the performance specifications outlined in the applicable technical manuals, test specifications and requirement documents. The Contractor shall develop a 90% System Operation Verification Test (SOVT) document, and submit to the government COR/TPOC at the 100% IDP stage. The Contractor shall follow the SOVT Preparation and Execution Guide (SPEG) v1.4 format for the creation of the document. The government will require a minimum of 10 business days to review and provide comments. The Contractor shall incorporate the required changes and submit the 100% SOVT document to the TPOC and COR

5.11.1 Fiber Cabling Testing: For fiber optic cabling, Contractor shall perform bi-directional Optical Time Dispersion Reflectance (OTDR), Power Loss, Chromatic Dispersion (CD) and Polarization Mode Dispersion (PMD) testing, in accordance with applicable regulations and publications. Contractor shall capture and incorporate test results within Government SOVT.

5.11.2 CAT6 Cabling Testing: For CAT6 cabling, Contractor shall perform “Permanent or Basic Link” testing in accordance with applicable regulations and publications.

5.11.3 Desktop/AV Testing: Upon system installation, the Contractor shall validate equipment link lights for connectivity.

5.11.3 Grounding Testing: For grounding cabling, Contractor shall perform ground resistance test in accordance with applicable regulations and publications.

5.12 Site Cleanup: The Contractor shall keep the work area clean and dispose of any waste and excess debris, in accordance with Host Nation laws/codes, at the end of each work day.

5.13 Red-Line Drawings:

5.13.1 The Contractor shall print an A3/tabloid copy of the approved 100% design (and any associated comments from the 100% design review) and maintain a copy at the installation site at all times. This copy shall be used to capture all installation deviations and shall be considered red-lines.

5.13.2 The Contractor shall spiral bind the red-line package in its entirety and no pages shall be removed or added during the installation. Approval of the Project Engineer and COR will be required if a supplemental drawing needs to be added to the installation package.

5.13.3 The Contractor shall receive written approval from the Project Engineer and approved by the COR prior to adding a deviation or comment to the red-line drawing package. All comments shall be written legibly in red ink.

5.13.4 The Contractor shall keep the red-line drawing package in a secured lockable cabinet or room on site to avoid accidental loss.

5.13.5 The Contractor shall make the red-line drawing package available to the Project Engineer or COR at any time during the installation.

5.13.6 The Contractor shall deliver the red-line drawing package to the Project Engineer and COR upon completion of the installation. The Government will incorporate the red-lines into the as-built drawing package.

5.14 Closeout Package (Digital & Hard Copy):

5.14.1 The Contractor shall submit to the COR/TPOC a final turnover documentation not later than (NLT) five (5) days after completion of the contract via U. S. Army Aviation and Missile Research Development and Engineering Center (ARMDEC) Secure Access File Exchange (SAFE) the items in section 5.14 in digital format and hard copy.

5.14.2 The Contractor shall provide 3 CD/DVD with a label with the SPAWARSYCEN Atlantic logo, address, program name, project name, classification level, disc index number (e.g. Disc 1 of 2) and date. The Contractor shall not place its company logo, name, or reference anywhere within these documents or on media containing these documents.

5.14.3 The Contractor shall provide to the COR and the Project Engineer three (3) each of the final copies in A3/tabloid (in color) with spiral binding, clear plastic front cover, and leatherette backing at completion of the project.

5.14.4 The Contractor shall provide compile all and provide one (1) copy of the Operations & Maintenance (O&M) manuals for all systems specified in Part 7, Technical Exhibit A. The O&M manuals shall be printed and provided in a binder and provided in a digital format (PDF).

5.14.5 The Contractor shall compile all system inventories and store in a single spreadsheet. All inventories shall be provided in the same format and in a digital format (XLSX).

5.14.6 The Contractor shall compile all system warranties and recurring costs (if applicable) in a single document. All warranties shall be provided in a digital format (XLSX).

5.14.7 The Contractor shall compile all signed system testing documents in separate documents by system discipline. All testing documents shall be provided in a digital format (PDF).

5.14.8 The Contractor shall compile baseline and final project schedule in a single document. All project schedules shall be provided in a digital format (MPP and PDF).

5.14.9 The Contractor shall compile the redlines to the IDP provide in original printed form and scanned PDF format.

5.14.10 The contractor shall turn over all IDP drawing files in both PDF and native .dwg form. All .dwg files used are mandatory deliverables to the government, including any and all XREFs used and all drawings shall be unlocked. The contractor shall also provide an excel version of the Master Parts List and any and all parts lists per series. If XREF drawing files are used in the design, the contractor shall bind all XREFs to the drawing file before final submission.

5.14.11 The contractor shall provide to the COR and TPOC DD 1149 documents with the information documented in section 5.16. 1149 documents shall be created for the IT/AV/ESS equipment turned over to the end user to be added to the unit inventory and the IT/AV/ESS equipment turned over to AFRICOM J6 and 52<sup>nd</sup> Signal battalion. The 1149's shall include all information in section 5.15 material procurement.

## 5.15 Materials Procurement:

5.15.1 The Contractor shall procure all equipment and material as defined in the design in accordance with AFRICOM Approved Equipment List (APL). The Contractor shall submit a detailed material list to the government prior to material procurement. The material list shall include: manufacturer, model number, quantity, unit price, and total price. No material shall be procured by the Contractor until approved by the government in writing. After approval, the Contractor shall provide monthly material-al/inventory list that includes: manufacturer, model number, quantity, unit price, total price, Contractor purchase request number, Contractor purchase order number, shipping tracking information to the Contractor's facility, and shipping tracking information to the government facility. In addition, the Contractor shall be required to provide equipment warranties from Original Equipment Manufacturer (OEM) and extended warranties, if available from OEM.

5.15.2 The Contractor shall complete the AFRICOM Request for Change (RFC) spreadsheet with the material outlined in section 5.15.1.

5.15.3 The Contractor shall be responsible for procuring all the necessary miscellaneous and consumable components to ensure the system is functional and operational.

5.16 Materials Storage/Site Delivery: The Contractor shall store procured installation equipment/materials in the local Contractor provided storage facility. The Contractor shall coordinate and deliver installation equipment/materials in a Just-In-Time manner.

5.17 Installation:

5.17.1 The Contractor shall install all equipment/materials in accordance with this PWS and its references and standards, and the DoD 5200.01, All Volumes (Latest Revision). Installation will take place only after an approved 100% IDP has been delivered to the Project Engineer and COR

5.17.2 The Contractor shall install field devices, make connections between head end location to newly installed field devices, and troubleshoot any fiber/communication connection issues between locations.

5.18. RESERVED.

5.19 Vendor and Equipment Specifications: Specific vendor equipment is specified in this PWS for estimation purposes and quality requirements. Equivalent equipment is acceptable that meet or exceed requirements and specifications of the example parts and requirements within this PWS. Specific quantities of logic boards, devices, and modules are provided as an estimate. The Contract shall procure and install all necessary boards, modules, devices, connectors, media converters, transceivers, network devices, patch panels, and all other supporting devices to ensure an operational and functional end product that meets the IT, AV, and Security requirements for these spaces. All material procured and installed shall be in accordance with AFRICOM APL at the time of installation.

5.20 Warranty: The contractor shall warranty the work performed as defined in this PWS for a period of one year from date of final acceptance of the system. The warranty shall include all parts, materials, travel, and labor. This warranty shall exclude user error and system hardware issues that fall outside of the comprehensive manufacturer warranty (such as destruction of hardware due to electrical surges, force of nature, etc.). The contractor shall provide Return Merchandise Authorization (RMA) support within the warranty period for hardware issues that fall within the comprehensive manufacture warranty. Work performed must meet manufacturer requirements in order to not void or otherwise negate the manufacturer provided warranty.

5.21 Enterprise-Wide Contractor Manpower Reporting Application (eCMRA): The Contractor shall report ALL Contractor labor hours (including Sub-Contractor labor hours) required for performance of services provided under this contract via a secure data collection site. The Contractor is required to completely fill in all required data fields using the web addresses referenced in Part 7 of this PWS. There are four separate eCMRA tools: Army, Air Force, Navy and All Other Defense Components. The appropriate eCMRA reporting tool to use is determined by the requiring activity being supported (e.g., if DISA awards a contract for an Air Force requiring activity, the Contractor shall load the required reporting data in the "Department of Air Force CMRA" tool) and then click on the "Department of the Army CMRA" or the icon of the DOD organization that is receiving or benefitting from the contract services.

While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. If contract period of performance ends prior to September 30, the Contractor has 30 days from end date of the contract to complete the eCMRA requirement. The Contractor shall enter initial data into the appropriate eCMRA tool to establish the basic contract record no later than 15 working days after receipt of contract award or contract modification incorporating this clause. The Contractor shall notify the COR when the basic contract record has been established in the appropriate eCMRA tool. Contractors may direct questions to the help desk by clicking on the "Send an email" which is located under the Help Resources ribbon on the right side of the login page of the applicable Service/Component's CMR website.

## **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.

6.1.1 DOD Commercial Use of Imagery Guidelines

6.1.2 AR 190-13, The Army Physical Security Program

6.1.3 DOD 5220.22-M, National Industrial Security Program Operating Manual

6.1.4 Defense Federal Acquisition Regulation Supplement (DFARS)

6.1.5 Joint Travel Regulation (JTR)

6.1.6 AR 735-5, Policies and Procedures for Property Accountability

6.1.7 DODD 8570.01, Information Assurance Training Certification and Workforce Management

6.1.8 DOD 8570.01-M, Information Assurance Workforce Improvement Program

6.1.9 AR 25-2, Information Assurance

6.1.10 DODI 3020.41, contractor Personnel Authorized to Accompany the U.S. Armed Forces

6.1.11 ANSI/IEEE C2-2007, National Electrical Safety Code Handbook

6.1.12 NFPA 70, National Electrical Code (NEC)/National Fire Protection Association (NFPA) NFPA 70

6.1.13 FS W-C586, Conduit Outlet Boxes, Bodies, and Entrance Caps, Electrical: Cast Metal

6.1.14 IEEE STD 142, Recommended Practice for Grounding of Industrial and Commercial Power Systems

6.1.15 MIL-STD-188-124B, Grounding, Bonding and Shielding for Communications Systems

6.1.16 IEEE C62.41, Surge Voltage in Low Voltage AC Power Circuits

6.1.17 EIA 310-D, Cabinets, Racks, Panels, and Associated Equipment

6.1.18 ANSI/TIA-606-B, Administration Standard for Commercial Telecommunications Infrastructure

6.1.19 NEMA 250-2008, Enclosures for Electrical Equipment

6.1.20 ASTM Standards Vol. II, Copper Conductors for Electrical Power and Electronic Hook-up Wiring

6.1.21 UFC-1-300-09N, Unified Facilities Criteria – Design Procedures

6.1.22 UFC 3-580-01, Unified Facilities Criteria – Telecommunications (all sections)

6.1.23 OSHA, 29 CFR, OSHA Regulations (Standards - 29 CFR)

6.1.24 UCR 2013, DoD Unified Capabilities Requirements (UCR) 2013

6.1.25 COMSPAWAR M-4720.1, Shore Installation Process Handbook (SIPH), v4.0

6.1.26 USAREUR CDS, United States Army in Europe (USAREUR) Cable Distribution Standards (CDS) Construction Standards (1 March, 2008)

6.1.27 ELIE-ISE-TI12-092, US Army Installation and Campus Area Network Design Guide (TR No. ELIE-ISE-TI 12-092, June 2012)

6.1.28 AMSEL-IE-TI09-001-7A, US Army Information Systems Engineering Command (USAISEC) Outside Plant Design and Performance Requirements (OSPDPR), (TR No. AMSEL-IE-TI 09-001-7A, Feb 2009)

6.1.29 TC3IA, Technical Criteria for the Installation Information Infrastructure Architecture (Feb 2010)

6.1.35 CNSSAM TEMPEST/1-13, Red Black Installation Guidance, 17 January 2014

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

6.1.37 IA Pub-5239-22, Information Assurance Protected Distribution System (PDS) Publication

6.1.38 C4S-CA-SA 09-01A - USAFRICOM Cable Distribution/Protected Distribution Systems Technical Design Guidance (25 March, 2011)

6.1.39 National Information Assurance (IA) Glossary (CNSS Instruction 4009)

6.1.40 DoD Instruction 5200.01, Volume 3. DoD Information Security Program: Protection of Classified Information (Incorporating Change 2, March 19, 2013)

6.1.41 AR 380-5, Department of the Army Information Security Program (29 September 2000)

6.1.42 DOD Test Method Standard – Method of Insertion Loss Measurement MIL-STD-220B w/ Change (25 June 2004)

6.1.43 TIA/EIA Telecommunications Standards (v. 2007)

6.1.44 OSPDPR - USAISEC Outside Plant Design and Performance Requirements (OSPDPR) (February, 2009)

- 6.1.30 ICAN Design Guide - USAISEC Installation and Campus Area Network Design Guide (June, 2012)
- 6.1.31 TIA-942/TIA-942-A-1 Telecommunications Infrastructure Standard for Data Centers (April, 2013)
- 6.1.32 AER 27-715 contractor Identification
- 6.1.33 AER 190-16 Installation Access Control
- 6.1.34 FAR 52.204-2 Security Requirements
- 6.1.35 Security Agreement (DD Form 441)
- 6.1.36 E-verify Program on the Department of Homeland Security website <http://www.uscis.gov/e-verify>
- 6.1.37 I-9 Employment Eligibility Verification Forms for employment of personnel.
- 6.1.38 IAW Federal Acquisition Regulation (FAR) Subpart 42.5
- 6.1.39 Familiarity of Common Criteria certified equipment <http://www.commoncriteriaportal.org/products/>
- 6.1.40 Familiarity of DISA approved products list <https://aplots.disa.mil/>
- 6.1.41 Familiarity of applicable DISA STIGs in regards to Desktop AIS and Audio/Visual systems found here <http://iase.disa.mil/stigs/Pages/index.aspx>
- 6.1.42 Privacy Act of 1974, Public Law 93-579, 5 United States Code (U.S.C.) Section 552a
- 6.1.43 OPSEC Level I training is available at <https://www.iad.gov/ioss/opse1301/index.htm>
- 6.1.44 Theater and Country Clearance Requirements <https://www.fcg.pentagon.mil/fcg.cfm>
- 6.1.45 Deutsches Institut für Bautechnik (DiBt)

**PART 7**  
**ATTACHMENT/TECHNICAL EXHIBIT LISTING**

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

**7.1 Attachment 1** – Performance Requirements Summary

**7.2 Attachment 2** – Deliverables Schedule

**7.3 Attachment 3** – Estimated Workload Data

**7.4 Technical Exhibit A** – USAFRICOM Building 3307 Installation Design Plan – Bill of Materials (IDP-BOM) drawings package

**7.5 Technical Exhibit B** – USAFRICOM Building 3307 Performance Work Statement Document

**7.6 Technical Exhibit C** - Enterprise-Wide Contractor Manpower Reporting (eCMRA )

Army - <https://armycmra.dmdc.osd.mil/>

Air Force - <https://afcmra.dmdc.osd.mil/>

Navy - <https://doncmra.dmdc.osd.mil/>

All Other Defense Components - <https://dodcmra.dmdc.osd.mil/>

## ATTACHMENT 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.

PERFORMANCE OBJECTIVE	STANDARD	PERFORMANCE THRESHOLD	METHOD OF SURVEILLANCE
<b><u>1) PWS Part 1 Management and Administration</u></b> Contractor shall comply with PWS provisions relating to Management and Administration operations.	Monthly COR PRS inspection checklist Pass / Fail criteria. Document Number:	>95 Percent Total Overall PRS Inspection Checklist Compliant Rate	100% Inspection of COR PRS Inspection Checklist.
<b><u>2) PWS Part 1 Management and Administration</u></b> Contractor shall comply with PWS provisions relating to Management and Administration processes.	Surveillance Process Audits	0 Safety or Environmental Discrepancies < 1 Technical Discrepancies	Periodic Inspection
<b><u>3) PWS Part 3 Government Furnished Item and Services</u></b> Contractor shall comply with PWS provisions relating to Government Furnished Item and Services operations.	Monthly COR PRS inspection checklist Pass / Fail criteria. Document Number:	>95 Percent Total Overall PRS Inspection Checklist Compliant Rate	100% Inspection of COR PRS Inspection Checklist.
<b><u>4) PWS Part 3 Government Furnished Items and Services</u></b> Contractor shall comply with PWS provisions relating to Government Furnished Items and Services processes.	Surveillance Process Audits	0 Safety or Environmental Discrepancies < 1 Technical Discrepancies	Periodic Inspection
<b><u>5) PWS Part 4 Contractor Furnished Items and Services</u></b> Contractor shall comply with PWS provisions relating to Contractor Furnished Items and Services operations.	Monthly COR PRS inspection checklist Pass / Fail criteria. Document Number:	>95 Percent Total Overall PRS Inspection Checklist Compliant Rate	100% Inspection of COR PRS Inspection Checklist.
<b><u>6) PWS Part 4 Contractor Furnished Items and Services</u></b> Contractor shall comply with PWS provisions relating to Contractor Furnished Items and Services processes.	Surveillance Process Audits	0 Safety or Environmental Discrepancies < 1 Technical Discrepancies	Periodic Inspection
<b><u>7) PWS Part 5 Specific Tasks</u></b> Contractor shall comply with PWS provisions relating to Specific Tasks operations.	Monthly COR PRS inspection checklist Pass / Fail criteria. Document Number:	>95 Percent Total Overall PRS Inspection Checklist Compliant Rate	100% Inspection of COR PRS Inspection Checklist.
<b><u>8) PWS Part 5 Specific Tasks</u></b> Contractor shall comply with PWS provisions relating to Specific Tasks processes.	Surveillance Process Audits	0 Safety or Environmental Discrepancies < 1 Technical Discrepancies	Periodic Inspection

<b><u>9) PWS Part 6 Applicable Publications</u></b> Contractor shall comply with PWS provisions relating to Applicable Publications operations.	Monthly COR PRS inspection checklist Pass / Fail criteria. Document Number:	>95 Percent Total Overall PRS Inspection Checklist Compliant Rate	100% Inspection of COR PRS Inspection Checklist.
<b><u>10) PWS Part 6 Applicable Publications</u></b> Contractor shall comply with PWS provisions relating to Applicable Publications processes.	Surveillance Process Audits	0 Safety or Environmental Discrepancies < 1 Technical Discrepancies	Periodic Inspection
<b><u>11) PWS Part 7 Technical Exhibit Listing</u></b> Contractor shall comply with PWS provisions relating to Technical Exhibit Listing operations.	Monthly COR PRS inspection checklist Pass / Fail criteria. Document Number:	>95 Percent Total Overall PRS Inspection Checklist Compliant Rate	100% Inspection of COR PRS Inspection Checklist.
<b><u>12) PWS Part 7 Technical Exhibit Listing</u></b> Contractor shall comply with PWS provisions relating to Technical Exhibit Listing processes.	Surveillance Process Audits	0 Safety or Environmental Discrepancies < 1 Technical Discrepancies	Periodic Inspection



## ATTACHMENT 2

<u>Deliverable</u>	<u>Frequency</u>	<u># of Copies</u>	<u>Medium/Format</u>	<u>Submit To</u>
QCP [PWS Para. 1.6.1]	Deliverable is to be provided within 30 days of contract award	01	Deliverable is to be provided via soft copy - MS Word, Excel Spreadsheet.	COR; TPOC
Personnel access list [PWS Para 1.7.3 and 1.8.4]	Deliverable is to be provided within 10 days of contract award	01	Deliverable is to be provided via soft copy - MS Word, Excel Spreadsheet.	COR; TPOC
Key Personnel [PWS Para 1.8.10]	Post award conference	01	Deliverable is to be provided via soft copy - MS Word, Excel Spreadsheet.	COR; TPOC
Property Management [PWS 3.5]	For all issued GFP for this contract, the contractor shall submit a property management plan within ten (10) days	01	Deliverable is to be provided via soft copy - MS Word, Excel Spreadsheet	COR; TPOC
Common Access Cards info (CAC) [PWS 4.5]	15 calendar days after award	01	Deliverable is to be provided in soft copy – MS Word	COR; TPOC
Meeting minutes [PWS Para 5.3]	Deliverable is to be provided 02 day after each meeting.	01 .	Deliverable is to be provided in soft copy – MS Word.	COR; TPOC
Tracking Action Log [PWS Para 5.3]	Deliverable is to be provided 01 day after each weekly meeting.	01	Deliverable is to be provided in soft copy – Excel Spreadsheet.	COR; TPOC
POA&M [PWS Para 5.4]	Deliverable is to be provided within 10 days of contract award and updated weekly.	01	Deliverable is to be provided in soft copy – Microsoft Project.	COR; TPOC
IDP Verification Report/BOM [PWS Para. 5.5]	Deliverable is to be provided within 15 days of contract award and updated as needed	01	Deliverable is to be provided via soft copy - MS Word, Excel Spreadsheet.	COR; TPOC
SOVT results [PWS Para 5.11]	Deliverable is to be provided 05 days prior to Government SOVT acceptance.	01 .	Deliverable is to be provided in soft copy – MS Word, Excel Spreadsheet or PDF.	COR; TPOC
Close Out package [PWS Para 5.13]	Deliverable is to be Provided within 30 days after Government SOVT acceptance.	03	Deliverable is to be provided via CD/DVD media.	COR; TPOC
Contractor and Sub-Contractor Information [PWS Para 1.8.4]	Deliverable is to be provided if additional background checks	01	Deliverable is to be provided in soft copy – MS Word, Excel Spreadsheet or	COR; TPOC

<u>Deliverable</u>	<u>Frequency</u>	<u># of Copies</u>	<u>Medium/Format</u>	<u>Submit To</u>
	are required, at a minimum, and upon Government request.		PDF.	
Contractor and Sub-Contractor Traffic Violation Notification [PWS Para 1.8.4.1 (2)]	Deliverable is to be provided within 05 days of receipt of traffic violation.	01	Deliverable is to be provided in soft copy – MS Word, or PDF.	COR; KO
Employment Eligibility Requirements Verification [PWS Para 1.8.4.2]	Deliverable is to be provided immediately, upon notification of Contractor and/or Sub-Contractor ineligibility.	01	Deliverable is to be provided in soft copy – MS Word, or PDF.	COR; KO
Identification of Contractor and Sub-Contractor Key Personnel [PWS Para 1.8.10]	Deliverable is to be provided within 10 days of contract award	01	Deliverable is to be provided via soft copy - MS Word, Excel Spreadsheet.	COR; TPOC
Organizational Conflict of Interest (OCI) [PWS Para 1.8.18]	Deliverable is to be provided immediately, upon identification of Contractor and Sub-Contractor OCI.	01	Deliverable is to be provided in soft copy – MS Word, or PDF.	COR; KO
OPSEC Training [PWS Para 1.9.2]	Deliverable is to be completed Level I OPSEC training within 10 days of contract award and Yearly	01	Deliverable is to be provided in soft copy – MS Word, or PDF.	COR; TPOC
iWATCH Awareness [PWS Para 1.9.3]	Deliverable is to be completed within 30 days of contract award and within 30 days of new Contractor and/or Sub-contractor start date.	01	Deliverable is to be provided in soft copy – MS Word, or PDF.	COR; TPOC
IDP [PWS Para 5.1.2]	Deliverable is to be completed within 15 days of contract award.	01	Deliverable is to be provided in soft copy – AutoCAD and PDF.	COR; TPOC
A/V Installation and Testing Equipment Reporting Errors [PWS Para 5.6.7]	Deliverable is to be provided immediately upon any equipment reporting errors, found defective, or non-operational.	01	Deliverable is to be provided in soft copy – MS Word, or PDF and should be re-packaged in original packing materials.	COR; TPOC
AI Testing Failures Reports [PWS Para 5.7.9]	Deliverable is to be provided immediately upon any failure or error.	01	Deliverable is to be provided via soft copy - MS Word, Excel Spreadsheet.	COR; TPOC

<u>Deliverable</u>	<u>Frequency</u>	<u># of Copies</u>	<u>Medium/Format</u>	<u>Submit To</u>
AI Inspection Reports [PWS Para 5.7.10]	Deliverable is to be provided immediately upon identification of visible damage or blemishes	01	Deliverable is to be provided via soft copy - MS Word, Excel Spreadsheet.	COR; TPOC
Equipment Reporting [PWS Para 5.7.11]	Deliverable is to be provided immediately upon identification of equipment reporting errors, found defective, or non-operational	01	Deliverable is to be provided via soft copy - MS Word, Excel Spreadsheet.	COR; TPOC
30% ESS Installation Design Plan (IDP) [PWS Para 5.9.1]	Deliverable is to be provided within 30 days of contract award.	01	Deliverable is to be provided via soft copy - AutoCAD	COR; TPOC
60% ESS IDP [PWS Para 5.9.1]	Deliverable is to be provided within 2 weeks after approval of the 30% IDP.	01	Deliverable is to be provided via soft copy - AutoCAD	COR; TPOC
90% ESS IDP [PWS Para 5.9.1]	Deliverable is to be provided within 2 weeks after approval of the 60% IDP.	01	Deliverable is to be provided via soft copy - AutoCAD	COR; TPOC
Red-line Drawings [PWS Para 5.9.1]	Deliverable is to be provided within 2 weeks after completion of the installation.	01	Deliverable is to be provided via soft copy – AutoCAD and Hard Copy 11x17	COR; TPOC
90% As-Built IDP [PWS Para 5.9.1.1]	Deliverable to be provided within 30 days of SOVT acceptance	02	Deliverable is to be provided via soft copy – AutoCAD and PDF	COR; TPOC

### ATTACHMENT 3

#### ESTIMATED WORKLOAD DATA

The quantities listed in the chart below are based on a 120 day period of performance.

ITEM	NAME	ESTIMATED QUANTITY	
1	Contractor PM	_____	342.92
2	Contractor Site Lead (SME IV)	_____	100.25
3	Contractor Admin	_____	58.92
4	Contractor Tech 1 (SME IV)	_____	743.96
5	Contractor Logistics	_____	285.33
6	Contractor Tech 4 (SME IV)	_____	534.71
7	Contractor Tech 3 (SME IV)	_____	540.71
8	Contractor Tech 2 (SME IV)	_____	668.38
9	Contractor Drafter	_____	276
10	Contractor Finance	_____	62.67