

DRAFT

Performance Work Statement

FOR THE

**COMMUNICATION AND TRANSMISSION SYSTEMS
(CTS) PROGRAM**

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1.0 SCOPE

1.1 General

This Performance Work Statement (PWS) establishes the requirements for the Communications and Transmission Systems (CTS) program. CTS requirements are at a "System of Systems" level, encompassing a broad range of communications systems and technologies, with corresponding "System of Systems" management and administrative responsibilities. Contractor-provided hardware and services include system integration, systems engineering and analysis, operations, maintenance, equipment and system installation, material procurement, facility and site preparation, outside plant trenching, software support, program management, logistics, technical field assistance, test and evaluation, modeling and simulation, information operations and assurance support, training, depot support at a vendor and regional levels. The tasks shall be performed in conjunction with new and existing Government systems. This PWS provides the general requirements; specific requirements will be defined in subsequent individual Orders.

1.2 Delivery/Performance Period Requirements

The contract will be an Indefinite Delivery Indefinite Quantity (IDIQ) multiple award contract (MAC) with a three (3) year base contract and two (2) three (3) year options. Orders may be issued anytime within this period on a Firm Fixed Price (FFP) , Cost Reimbursement (CR), and Time & Material (T&M) basis. All services shall be performance based to the maximum extent practicable.

As defined in Federal Acquisition Regulation (FAR) Part 2.101:

A Delivery Order means an order for supplies or services placed against an established contract or with Government sources.

A Task Order means an order for services placed against an established contract or with Government sources.

Individual orders shall clearly describe all services to be performed or supplies to be delivered so the full cost or price for the performance of the work can be established when the order is placed.

1.3 Contracting Officer's 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.

The Government Contracting Officer's Representative (COR) for this effort will be identified after award time of award:

Name: TBD
Organization: TBD
Address: TBD
TBD
Email: TBD
COM: TBD
DSN: TBD
Facsimile: TBD

2.0 APPLICABLE DOCUMENTS

Following is a listing of government documents that may be required in performance of Orders under this contract. All applicable documents will be cited as necessary in individual Orders.

2.1 Military Standards

All applicable documents will be cited as necessary in individual Orders

2.2 Data Item Descriptions (DIDs)

DI-FNCL-80912	Performance and Cost Reports for T&M Requirements, dated 6 October 1989
DI-MGMT-80711	Contractor's Progress, Status and Management Report
TBD	Army Contractor Manpower Reporting
DI-MISC-80711A	Scientific and Technical Reports, dated 21 January 2000
DI-MGMT-80934A	Operations Security (OPSEC) Plan
DI-MGMT-81642	Small Business Participation Report

2.3 Department of Defense (DoD) Manuals

All applicable documents will be cited as necessary in individual Orders

3.0 REQUIREMENTS

The Contractor shall provide the systems, hardware and services required by individual Orders pursuant to the general requirements specified herein. General terms appear in paragraph 3.1. Contract management requirements are specified in paragraph 3.2. paragraph 3.3 describes the products and services to be delivered on an individual Order basis. As stated in paragraph 1.2, Orders may be issued on a T&M and FFP basis.

A COR or Government Task Leader (GTL) will be identified for each order. All activities performed in the CTS shall be performed IAW best commercial practices and Government standards, regulations, as described herein and within each Order.

The Government COR or designated representative has the right at all reasonable times, to inspect or otherwise evaluate the work performed or being performed. If any inspection or evaluation is made by the Government of the premises of the Contractor or a subcontractor, the Contractor shall provide, and shall require its subcontractors to provide, all reasonable facilities and assistance for the safety and convenience of the Government representatives in the performance of their duties. All inspections and evaluations shall be performed in such a manner as will not unduly delay the work.

3.1 Materials, Equipment and Facilities

3.1.1 Government Furnished Material

Government Furnished Material (GFM) and Government Furnished Equipment (GFE) may be provided to support individual Orders. In such cases, the GFM and GFE provisions at Sections H and I of this contract will be supplemented by specific delivery and disposition instructions provided in the corresponding Order. The Contractor shall be responsible for preventing damage to all Government Furnished Property/Equipment while being moved, handled, disassembled, inspected, repaired, modified, reassembled and stored. The Contractor shall be responsible for maintaining Government equipment while it is stored, to include calibration and preventative maintenance checks and services. If the Contractor loses or damages the equipment, it will be the Contractor's responsibility to replace or repair the equipment to the Government's satisfaction at no additional cost to the Government.

It is not the Government's intent to provide Government Furnished Property/Government Furnished Facilities with an acquisition cost of less than \$5,000, unless on an exception basis as specified by an Order and appropriate Government approvals are in place.

All Contractor acquired equipment for performance of an Order shall be specified in the Task Execution Plan (TEP) and subsequently listed in the Order. Equipment that the Government has entitlement to shall be returned to the Government when requested or at the conclusion of the Order.

3.1.2 Government Support

The COR shall provide the Contractor access to all available Government furnished information, facilities, material, equipment, services, etc., as required to accomplish each Order. The Contractor shall provide the necessary documentation to gain access to sensitive or "rights guarded" data.

3.1.3 Security

The Security requirements for the Basic Contract are defined by the Department of Defense (DoD) Contract Security Classification Specification, DD Form 254, located in Section J of the Contract. As required by the Order, Contractor facilities shall provide an appropriate means of storage for classified documents, classified equipment and materials, and non-classified equipment and materials, in accordance with Operational Security (OPSEC) and Communications Security (COMSEC) requirements. The Contractor shall, independent of CTS, possess a COMSEC account in accordance with DD Form 254 at contract award. Security clearance requirements for Contractor personnel, up to and including TOP SECRET, will be specified in individual Orders, if required.

The Contractor shall possess a TOP SECRET facility clearance with TOP SECRET safeguarding capability at time of proposal submission. The Contractor shall require access to COMSEC information, Sensitive Compartmented Information (SCI) and Non-SCI Intelligence information, North Atlantic Treaty Organization (NATO), and For Official Use Only (FOUO) information. The Contractor may require access to Security/Program Classification Guide(s) (SCG) and to the Secret Internet Protocol Router Network (SIPRNET).

The Contractor will receive and generate classified material and fabricate/modify/store classified hardware. Software requirements are additional and will be identified on DD Form 254. The Contractor, or subcontractor shall have access to a Government approved Sensitive Compartmented Information Facility (SCIF).

The Contractor will have access to classified information overseas and will be authorized to use the Defense Technical Information Center (DTIC). A COMSEC account will be required and there may be a TEMPEST requirement as specified in the order. Additional OPSEC requirements to the National Industrial Security Program – Operating Manual (NISPOM) are in effect. Use of the Defense Courier Service is authorized. Performance of this contract will be worldwide, as designated by the Order.

Information Disclosure. All public release of information shall require authorization from the government in writing, however all information FOUO or higher will be cleared IAW Section 12 of the DD Form 254. All information gathered by the Contractor to provide services to the US Government shall be considered contractually sensitive and shall not be released to any person or organization not part of the US Government, and shall become the property of the US Government.

3.1.4 Personnel Security Requirements

Access to classified documents, studies, reports, and other documentation and information may be required. Consequently, a U.S. Secret clearance is required. When required, the Contractor may be tasked to access a Sensitive unclassified network and the duties to be performed by Contractor personnel under the PWS have been designated as IT-I/IT-II sensitive positions. The Contractor shall initiate the appropriate level of security clearance background investigation to result in issuance of a Secret security clearance. Information gathered, developed, analyzed, and produced under this PWS remains the property of the US Army and shall be protected from unauthorized or inadvertent modification, disclosure, destruction, or use. Prior to the arrival of any Contractor employee to commence work under this contract at any Government site, the Contractor must provide advance notice to the Government for visitor control purposes and verification of security clearance. Personnel security requirements up to and including Top Secret Sensitive Compartmentalized Information shall be set forth in individual Orders.

Army Regulation (AR) 25-2, "Information Assurance" requires active duty military, DoD civilian, DoD consultants, and support Contractor personnel performing work on sensitive automated information systems (AISs) to be assigned to positions which are designated at one of 3 sensitivity levels (IT – I, IT – II, or IT – III). These designations equate to Critical Sensitive and Non-Critical Sensitive positions. The employing Contractor shall ensure individuals assigned to these sensitive positions have completed the appropriate access request forms.

IT Level – I -- Individuals assigned to positions where damage to DoD networks and development systems can be accomplished and no checks are in place to determine potential destruction of sensitive information. The investigation requirement for these positions is completion of a Special Security Background Investigation (SSBI) with favorable results.

IT Level – II and III -- Individuals assigned to positions where daily unsupervised access to DoD networks and information systems containing Sensitive but Unclassified or Sensitive Classified up to and including Collateral Secret information is a portion of their duties. The investigation requirement for these positions is completion of a Defense National Agency Check with Written Inquiries (DNACI) with favorable results. (Note: For United States citizens, a submitted DNACI with a successful local records check will allow assignment to positions at the discretion of the Contracting Officer and in the best interest of the DoD before the completion of the investigation).

In all cases, the Contractor shall forward employee investigation information to the Contracting Officer before assignment of these individuals on this contract and shall ensure a visit request with that investigation information is provided yearly.

The Government retains the right to request removal of Contractor personnel, regardless of prior clearance or adjudication status, whose actions while assigned to this contract conflict with the interests of the Government. The reason for removal shall be fully documented in writing by the Contracting Officer.

Investigative Requirements.

Investigative levels for users with privileged access (IT-I) to ISs					
Privileged access—IT-I¹					
User Roles	Foreign National	U.S. Civilian	U.S. Military	U.S. Contractor	Conditions or examples
DAA or IAPM	Not Allowed	SSBI	SSBI	Not Allowed	None
IANM	Not Allowed	SSBI	SSBI	Conditional SSBI	With CIO/G6 written approval, Contractors may continue as IA personal until replaced
IAM	Not Allowed	SSBI	SSBI	Conditional SSBI	Contractor may not fill MCS, installation, or post IAM position
IASO/IANO	Not Allowed	SSBI	SSBI	Conditional SSBI	Contractor may not fill MCS, installation, or post IASO/IANO position (if created)
Monitoring or testing	Not Allowed	SSBI	SSBI	SSBI	None
SA/NA or Administrator (with IA administrative privileges) or maintenance of IA devices	Conditionally allowed—SSBI (equivalent) ²	SSBI	SSBI	SSBI	Examples: administration of IA devices (e.g. boundary devices, IDSs, routers, and switches)
<p>Notes:</p> <p>¹Investigative levels are defined in DOD 5200.2-R. The term Foreign National (FN) refers to all individuals who are non-U.S. citizens, including U.S. military personnel, DoD civilian employees, and Contractors.</p> <p>²FN — under the immediate supervision of a U.S. citizen with written approval of CIO/G-6.</p>					

Investigative levels for users with limited privileged access (IT-II) to ISs					
Limited privileged access—IT-I¹					
User Roles	Foreign national	U.S. civilian	U.S. military	U.S. Contractor	Conditions or examples
IAM/ANM	Not Allowed	NACI	NACLCLC	NACLCLC	None
IASO/IANO	Conditionally allowed—NACLCLC equivalent	NACI	NACLCLC	NACLCLC	FN-with DAA approval, direct or indirect hires may continue as UA personal until they are replaces, provided they serve under the

					immediate supervision of a U.S. citizen IAM and have non supervisory duties
Supervisor of IT positions	Not Allowed	NACI	NACLCLC	NACLCLC	None
SA/NA or Administrator (with IA administrative privileges) or maintenance of IA devices	Conditionally allowed—NACLCLC equivalent ²	NACI	NACLCLC	NACLCLC	Examples: IS administration, OS administration, end-user administration, and administration of common applications (e.g., e-mail, word processing)
<p>Notes:</p> <p>¹Investigative levels are defined in DoD 5200.2-R. The term Foreign National (FN) refers to all individuals who are non-U.S. citizens, including U.S. military personnel, DoD civilian employees, and Contractors.</p> <p>²FN — under the immediate supervision of a U.S. citizen with written approval of CIO/G-6.</p>					

See AR 25-2 for further information regarding the above referenced charts

Unescorted access.

If required, applicable and authorized, unescorted access shall be provided to Government and Contractor facilities.

The Contractor may be required to provide a COMSEC Custodian and COMSEC custodianship in any and all Area of Operations as requested by the designated COR or GTL. The Contractor shall be responsible for All COMSEC requirements, initiated and required by the Government at time of request.

3.1.5 Contractor Personnel

The Prime Contractor shall ensure that all personnel used on T&M Orders meet the Labor Category requirements currently on contract. The Prime Contractor shall maintain a file of resumes of all personnel assigned to this contract for the duration of the contract. Any Labor Category changes for an individual performing on specific Orders must be concurred in writing by the Contracting Officer's Representative.

The Contractor shall provide personnel having security clearances up to TS/SCI as identified in applicable Orders.

The Contractor shall provide only fully trained, experienced, and technically proficient personnel. Training of Contractor personnel shall be performed by the Contractor at their expense, unless otherwise directed by the Contracting Officer.

3.1.6 Non-Developmental Items and Processes

Non-Developmental Items (NDI) and Commercial-Off-The-Shelf (COTS) products shall be used to the maximum extent practicable.

3.1.7 Safety and Environmental

The Contractor shall comply with all applicable federal, state and local safety, health and environmental regulations, including the National Environmental Policy Act (NEPA).

3.1.7.1 System Safety and Health Hazards

The Contractor shall identify and evaluate system safety and health hazards, define risk levels, and establish a program that manages the probability and severity of all hazards associated with contractual tasks. Safety and health hazards shall be managed consistently with mission requirements. All inherent hazards shall be identified, evaluated and either eliminated or controlled to ensure minimum risk to the environment and personnel. Records shall be kept for the life of the contract plus two years. These records shall be made available to the Government upon request.

3.1.7.2 Hazardous Materials

The Contractor shall implement a Hazardous Material Management program to reduce and control hazardous materials utilized in the performance of this contract. The use of hazardous or corrosive materials shall be reduced in accordance with DODD 4210.15. No Class I Ozone Depleting Substances shall be used or delivered in the performance of this contract.

3.1.7.3 Safety Assessment Report

When required by the specific Order, the Contractor shall provide a Safety Assessment Report (SAR) that shall address hazardous material in its hazardous material section of System Safety Verification Checklist, SEL Form 1183. The Order shall require a Material Safety Data Sheet (MSDS) for hazardous materials that are required to be incorporated into the system.

3.1.8 Travel

The Prime Contractor shall ensure that all travel is in accordance with the Joint Travel Regulations (JTR). All travel requests must be approved in writing by the Government POC.

3.2 Program Management

The Contractor shall establish a single management focal point to accomplish the administrative, managerial and financial aspects of this contract. The Contractor shall

maintain a project office and associated personnel within 50 mile distance of Ft. Belvoir, VA for the duration of the effort.

3.2.1 Organizational Conflict of Interest

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

3.2.2 Request for Task Execution Plan (RTEP)

As requirements for communications and transmission systems arise, an RTEP will be competed among those Prime Contractors designated in accordance with (IAW) the procedures of the Basic Contract. Each Order will define the user requirements, hardware to include, associated spares, repair parts, technical specifications, personnel and logistic support, and any other requirements for the systems and services being procured.

The Contracting Officer will issue a RTEP to the Contractors upon identification of the need for an Order. Fair opportunity requirements shall be in accordance with FAR 16.5. The Government's RTEP does NOT constitute an authorization to start work nor serve as a basis for any future claims against the Government. The Government is not required to approve the resulting TEP or issue an Order.

It is the Government's intent to issue RTEP that reflect a Performance-Based Contracting approach IAW FAR Part 2.101.

3.2.3 Submission of a Task Execution Plan (TEP)

Within two (2) business days of receipt of the RTEP, the Contractor shall submit "Intent to Respond" to the TEP to the Contracting Officer. The Contractor shall submit a TEP in accordance with the Government's request. The following information shall be provided:

3.2.3.1 The following shall be addressed in every TEP:

- (1) TEP Summary including:
 - RTEP number;
 - Date submitted;
 - Contractor's name;
 - Contractor task leader contact information;
 - Primary subcontractor(s) (as applicable);
 - Proposed start and finish dates;
 - Proposed total cost with separate option or CLIN pricing, as applicable;
 - Reference to any unique terms or conditions, or any requests to deviate from standard contract terms and conditions.
 - Deliverables and Schedules
- (2) Complete description of the technical approach to satisfying task requirements.
- (3) Microsoft Project file indicating expected start and completion dates, and personnel resources for all critical project tasks and sub-tasks.

3.2.3.2 The following shall be addressed only in TEPs for T&M tasks:

- (1) The TEP summary required above shall also state the total dollars and percentages for labor, materials and ODCs;
- (2) The cost proposal shall be submitted in spreadsheet format. The first tab shall be a summary to include a top level rollup of the costs by labor, materials, other direct costs (ODC), and total task cost. Labor shall further be broken out by labor category and hours. A separate tab shall be used for the prime and each subcontractor.
- (3) Material costs shall indicate raw material costs and material handling charges, as applicable. The nature and cost associated with each ODC shall be described.
- (4) Bill of materials, indicating the source, quantity, unit cost and total cost for all required materials;
- (5) "Cost or Pricing Data" or "Information Other than Cost or Pricing Data" may be required where there is not "adequate price competition" as defined in FAR 15.403-1(c).
- (6) Any proposed key personnel and their position title(s) for the performance of a task order should be designated in each order.
- (7) Proposed period of performance, reports and other deliverables shall be provided.

3.2.3.3 The following shall be addressed only in TEPs for FFP tasks:

- (1) A detailed description of the hardware and services being provided by the Contractor to include the associated cost and deliverables.
- (2) A performance-based milestone payment schedule, as applicable.
- (3) "Cost or Pricing Data" or "Information Other than Cost or Pricing Data" may be required where there is not "adequate price competition" as defined in FAR 15.403-1(c).

3.2.4 Task Execution Plan (TEP) Evaluation

The Government will complete evaluation of each TEP and may enter discussions if required. The Contractor shall provide an updated TEP to address the results of such discussions if requested.

3.2.5 Award of Orders

Upon selection of a successful Contractor's TEP by the Government, the Contracting Officer shall issue an Order upon which the Contractor shall commence work at time of award

3.2.6 Meetings and Reviews

3.2.6.1 Post Award Conferences

The Government intends to convene a Post-Award Conference with each Prime Contractor within 60 days after contract award. The Contracting Officer will notify all Prime Contractors of a specific date, location and agenda within 15 days after contract award.

3.2.6.2 Status Meetings

The Government reserves the right to call meetings from time to time to discuss any issue as may arise during the course of the contract. These meetings may be called at either the Contractor's or the Government's facility, at the discretion of the Government. Specific dates, locations, agenda and attendance requirements will be specified by the appropriate Government representative, at least five (5) calendar days prior to the meeting. The Contractor shall publish the Agenda for all such meetings and prepare Minutes for these meetings. (CDRL C0001 and DI-MISC-80711)

3.2.7 Digital Work Format

All program requirements, contract actions and data interchanges shall be conducted in a digital environment using electronic and web-based applications. At minimum, such data shall be compatible with the Microsoft Office 2007® family of products or the most current version used by the Government.

3.2.8 Billable Time at a Government Facility

Billable time at a Government facility is defined as the number of normal workdays that services are actually performed, or work stoppage in which the Government and/or commander administratively determines to be a non-workday if the personnel were normally scheduled to be at work at that time.

3.2.9 Contractor Staff

In performing under this Order, the Contractor shall use only fully trained, experienced, and technically proficient personnel. Training of Contractor personnel shall be performed by the Contractor at his expense.

3.2.10 Contractor Staff in Government Facilities

While in a Government facility, the Contractor shall display name and the name of the company while in the work area. The Contractor shall wear and display a building pass at all times. The Contractor shall include their company's name in his or her email display. The Contractor shall identify themselves as contractors when attending meetings, answering Government telephones, or working in situations where their actions could be construed as official Government acts.

3.3 Contract Tasks

The Contractor shall provide the hardware and services required by individual Orders. Each Order shall provide a detailed description of the technical, personnel, and schedule requirements. The products and services to be delivered on the individual Order may be procured on a T&M and/or FFP basis.

The Government, through any representative authorized by the Contracting Officer, has the right at all reasonable times, to inspect or otherwise evaluate the work performed or being performed. If any inspection or evaluation is made by the Government of the premises of the contractor or a subcontractor, the contractor shall provide, and shall require his subcontractors to provide, all reasonable facilities and assistance for the safety and convenience of the Government representatives in the performance of their duties. All inspections and evaluations shall be performed in such a manner as will not unduly delay the work.

3.3.1 Communication and Transmission Systems (CTS)

CTS provides integrated solutions that consider the life cycle of any given system and its relationship with other systems. The objective of this acquisition is to obtain hardware and related support services. This "System of Systems" approach will integrate functional and operational activities in the most technically proficient and cost-effective manner. These systems include commercial, modified commercial and MIL-SPEC systems. The systems shall meet environmental requirements for transportation, storage and operation worldwide during contingency and wartime missions. The contractor shall provide Engineer, Field, Install, and Test (EFI&T) and Operation and Maintenance (O&M) support and turn-key solutions to meet user requirements. These networks shall deploy satellite and long-haul terrestrial transmission communications technologies that provide Warfighters and customers with voice, data and video services worldwide.

The Contractor must be capable of providing turn-key solutions for all the CTS tasks. Specific requirements will be delineated in the individual Orders. The Contractor shall be required to deliver systems IAW the performance characteristics, interoperability, and interfaces as specified on each awarded Order. The Contractor shall implement and maintain a Quality Assurance system to ensure product integrity that is consistent with current standards and practices as set forth in the Order. The systems are identified below for all possible capabilities and configurations. The systems shall include application software to provide a graphical user interface to enable system configuration, troubleshooting, and real time system status.

The work to be performed requires the Contractor to have a broad technical understanding of communication and transmission systems that include transmission media (satellite, microwave, fiber optics, copper, Over-the-Horizon, radio, and wireless); communications systems that provide turn-key solutions; hardware and software; satellite broadband; baseband; space segment; and support services.

Communications support provided may include all communication mediums and involve a wide number of established and developing protocols, and networking schemes including Local Area Networks (LANs), Wide Area Networks (WANs), Metropolitan Area Networks (MANs), providing INTERNET, Non-Secure Internet Protocol Router Network (NIPRNET), Secret IP Router Network (SIPRNET), Combined Enterprise Regional Information Exchange System (CENTRIX), Joint Worldwide Intelligence Communication System (JWICS), secure and non-secure Video Teleconferencing (VTC), Defense Red Switch Network (DRSN), DISN Videos Services Global (DVSG), multimedia, and other interface networking systems. The contractor may provide support to requirements that include EoIP, VoIP, circuit-switched voice, circuit-switched data, and packet data; and encompass all phases of engineering support.

The communication and transmissions systems shall consist of the Antenna, Radio Frequency (RF) electronics, Intermediate Frequency (IF) electronics, baseband, COMSEC, and equipment, as specified in the Order. These systems shall be configured and ordered as a complete system, or as elements of a system, sub-system (RF or base band), or component. These include: hardware, software, technology integration, insertion and system upgrades engineering services and data, logistics data, system and network configuration, interoperability testing, engineering, and prototyping.

The systems, subsystems, and equipment within CTS may be installed in transit cases, shelters, vehicles, or trailers, in a fixed or transportable configuration, using standardized equipment racks for mounting components and provide protection from environmental hazards, employing lightning protection for outdoor electronics and air conditioning and heating suitable for worldwide operation. The CTS equipment and systems shall operate from worldwide and generator prime power sources, and provides uninterruptible back-up power, as specified in the Order. The Contractor shall provide systems that include an upgrade path to meet future military and commercial requirements and technologies.

The Contractor shall ensure systems meet all applicable network and interoperability certifications, security policies and accreditations as delineated in the specific Order, for example: DoD Information Assurance Certification and Accreditation Program (DIACAP) DoD Instruction 5200.40 and AR 25-2 Information Assurance.

The contractor shall perform all testing and acceptance. The contractor shall provide a test report to the Government that provides test results of all testing completed. The contractor shall assist the Operations and Maintenance (O&M) user with the cutover and migration plan for the new transmission system equipment.

The Government shall provide the contractor records of all Government-owned property (other than Real Property) and equipment that are under warranty and used, managed, or supported under this contract. Records will identify the item, the nature and expiration of the warranty, and the names and locations of the firms to contact about entitlement under the warranty. The contractor shall maintain copies of warranty records on any items of equipment or repair items to which the Government will take title or which will be installed on Government property. Upon the Government taking title, the contractor will provide the said records. (CDRL C0001 and DI-MISC-80711)

3.3.1.1 Fixed Station Satellite Systems (FS3)

The Fixed Station Satellite System (FS3) shall provide single or multi-carrier worldwide operation on military and commercial satellites, including UHF through EHF frequency bands. The satellite system shall operate in a fixed or shelterized facility, in a point-to-point, hub-spoke, or mesh environment; that shall employ various satellite access techniques including Frequency Division Multiple Access (FDMA), Time Division Multiple Access TDMA, Demand Assigned Multiple Access (DAMA), Spread Spectrum Multiple Access (SSMA), Digital Video Broadcasting - S2 (DVB-S2), or any combination of the above.

The satellite system shall typically employ a 0.9 meter to 11 meter antenna reflector and power amplifier sufficient to support link defined Bit Error Rate (BER), availability, and reliability requirements. The antenna and RF electronics shall meet the required military and commercial antenna specifications and type approval, certifications to operate worldwide on military or commercial satellites. The antenna shall be permanently mounted or use a non-penetrating antenna structure. The satellite terminal may include the auto acquisition and tracking capabilities as specified in the Order.

The FS3 shall be operated by Government or Contractor personnel. The FS3 shall interface and be interoperable with systems and equipment as specified in paragraph 3.3.1.3 Baseband, Technical Control (TCF), Main Communication Facility (MCF) and Ancillary Equipment, and shall be interoperable with currently deployed systems and equipment as specified in the Order. If the FS3 is not collocated with systems and equipment specified in paragraph 3.3.1.3, then an Interconnect Facility (ICF) may be required to establish the interface and provide connectivity.

3.3.1.2 Deployed Satellite Systems

The Deployed Satellite System shall provide a single or multi-carrier worldwide operation on military and commercial satellites, including UHF through EHF frequency bands. The Deployed Satellite System may use transit cases, shelter, vehicle, or trailer; and operate in a point-to-point, hub-spoke, or mesh environment; employing various satellite access techniques including FDMA, TDMA, DAMA, SSMA, DVB-S2, or any combination of the above. The satellite system may include Communications-On-The-Quick-Halt (COTQH) and Communications on the Move (COTM).

The Deployed Satellite System typically employs a .9 meter to 3.8 meter antenna reflector and power amplifier sufficient to support link defined BER, availability, and reliability requirements. The antenna and RF electronics shall meet the required military and commercial antenna specifications and type approval, certifications to operate worldwide on military or commercial satellites.

The Deployed Satellite System shall be operated by Government or Contractor personnel and shall include application software to provide a graphical user interface to enable system configuration, troubleshooting, and real time system status.

The Deployed Satellite System shall be transported by air, land or sea to a staging area during deployments from garrison to the field. The Deployed Satellite System may include communications and baseband systems/equipment as specified in Para 3.3.1.3 Baseband, Technical Control (TCF), Main Communication Facility (MCF) and Ancillary Equipment and shall interface and be interoperable with currently deployed systems and equipment as specified in the Order. If the Deployed Satellite Systems are not collocated with systems and equipment specified in Para 3.3.1.3, then an ICF may be required to establish the interface and provide connectivity.

3.3.1.3 Baseband, TCF, MCF and Ancillary Equipment

The Contractor shall provide baseband and ancillary systems/equipment to support user requirements worldwide. The Contractor shall Engineer, Furnish, and Install, Test, Operate and Maintain baseband, Tech Control Facilities (TCF), Main Communications Facilities (MCF), and Ancillary systems/equipment. Specific requirements and configurations will be based on user requirements determined by system, terminal or site-by-site basis and will be delineated by the project. The Contractor shall provide baseband systems and ancillary equipment that provides voice, data, video teleconferencing, broadcast video, imaging, Timing and Synchronization (T&S), Remote Alarm Management and Monitoring, Network Management Systems, and Manager-of-Manager system integration and interoperation. Installed systems and equipment shall support the World Wide Technical Control Improvement Program (WWTCIP) or task requirements.

The baseband systems shall include TCF and MCFs that provide Communications Security (COMSEC) / Transmission Security (TRANSEC); wide-area networks and core backbone switching and routing systems; Multi-Protocol Label Switching (MPLS); multiplexing;

modulation; switching (voice, data, video); patch and test (P&T); wireless; Alarm Management Systems; Timing and Synchronization (T&S), Grounding, Bonding and Shielding (GBS); Network Management Systems (NMS); Optical Fiber and Copper Transmission Systems to include interface to long haul systems, Inside Plant (ISP) and Outside Plant (OSP); long haul terrestrial systems; and Test, Measurement, & Diagnostic Equipment (TMDE).

3.3.1.4 Long-Haul Transmission Systems

The Contractor shall provide long haul transmissions systems and equipment to include microwave (MW), optical networks (including DWDM technologies), copper, Over-The-Horizon, and Free Space Optics (FSO) solutions. The specifications, interfaces, and configuration of the Long Haul transmission system shall be provided by the Government, as specified in the Order. These systems, networks, and equipment may include Military Specifications (MILSPECs), COTs, Modified COTS and Non-Developmental Items (NDI).

The Contractor shall provide Long Haul Transmission System design that includes MW link and path analysis to determine the viability of the link. The link and path analysis shall be provided to the Government for approval prior to implementation, as specified in the Order.

The Long-Haul transmission systems shall be operated by Government or Contractor personnel and may include network monitoring software, automated test equipment, and software that provides a graphical user interface with conventional pull-down menus to enable system configuration, troubleshooting, and real time system status.

The Long-Haul transmission system/equipment shall interface with existing baseband equipment. If new baseband equipment is required, the system shall meet all interface requirements delineated in the Order. The Long-Haul transmission equipment may include communications and baseband systems and equipment as specified in Para 3.3.1.3 Baseband, Technical Control Facility (TCF), Main Communication Facility (MCF) and Ancillary Equipment and shall interface and be interoperable with existing baseband equipment specified in the Order.

3.3.1.5 Radio Systems

The Contractor shall provide the hardware, spare parts and support services required for Radio Systems. Systems and equipment provided may include MILSPECs, Modified COTS and NDI technology products and services capable of meeting all applicable DoD network certifications, security policies and accreditations. The products and services shall include: full system solutions, equipment, technical assistance, and system design and analysis.

Radio Systems and equipment shall meet all Federal, international and military mandated regulations, as delineated in the specific Order. The Radios systems and equipment shall be capable of operating in multiple frequency bands, including UHF and Very High Frequency (VHF). The Radio systems and equipment shall operate in trunked and conventional modes, and may support both digital and analog signals as specified in the Order.

The Contractor shall be capable of providing commercial and/or tactical radio technology, integrated information and communications networks, products and services. These offerings shall allow customers to acquire tailored solutions to their specific radio/network requirements.

3.3.1.6 Wireless Systems

The Contractor shall provide Wireless systems that employ radio technology, products and services that meet all applicable DoD network certifications, security policies and accreditations, to include but not limited to, DoDD 8100.2, Use of Commercial Wireless Devices, Services, and Technologies in the DoD GIG. The products and services offered shall include wireless system solutions, equipment, technical assistance, system design and analysis. The analysis shall include wireless coverage maps and interference, as specified in the Order.

The wireless systems shall be compliant with current and emerging wireless technology and guidance, to include: Institute of Electrical and Electronics Engineers (IEEE) Wi-Fi Protected Access-2 (WPA-2) Enterprise non-proprietary encryption in a standards-based IEEE 802.11i, supporting 802.11a/h for long distance, point to multi-point bridging and IEEE 802.11b/g for access point standards; WiMAX; cellular; National Institute of Standards and Technology (NIST) Federal Information Processing Standards (FIPS) 140-2 (FIPS-140-2); and Wireless Intrusion Detection Sensor (WIDS). The wireless system shall include the ability to be network managed, as specified in the Order.

The Wireless systems shall be intuitive for ease of use and operator interface; capable of operating indoor, outdoor and on aerial masts; self contained to reduce the number of cables and components. Specific requirements will be delineated in the Order.

3.3.1.7 Audio/Visual Systems

The Contractor shall establish, sustain, upgrade and/or relocate Audio/Visual Systems. These systems include four equipment categories: voice, video, data, and control systems, capable of being accredited at the appropriate security level. These systems provide visual acuity of video displays and distribution of visual information coupled with interference free audio on telephony and other sound systems contributing directly to mission success. Large open operations areas capable of hosting numerous personnel workstations while providing clear access to large video screens that facilitate the use of collaborative tools supported by robust data networks.

3.3.1.8 Critical AC/DC Power and Environmental Systems (CADPES)

The Contractor shall provide Critical AC/DC Power and Environmental System (CADPES) installation and upgrades for communications and satellite terminal facilities. The Contractor shall provide AC/-48VDC Power Plant and Systems, lightning protection, fire suppression, and Environmental Systems engineering, installation, O&M, replacements and upgrades for telecommunications and satellite terminal facilities used by the Military Departments (MILDEPs), DoD, and US Government facilities. The Contractor shall engineer, furnish, install,

and test critical power and environmental system installations and upgrades to include: electrical distribution; generators; UPS/batteries; Transformers; Switchgear; Automatic Transfer Switches (ATS); and Heating, Ventilation, Air Conditioning (HVAC). These solutions shall include wind, solar, hydro and other alternative energy sources.

The Contractor shall engineer, furnish, install, and test all critical power and equipment cooling systems related to this PWS. The Contractor will be required to perform site engineering surveys to identify all sources of electrical power and electrical loads, condition and capability of existing environmental systems, materials and routing of conduits, accessories and options necessary to develop and execute a design/build approach to each CADPES Order. The Contractor shall provide expert participation in design review meetings; provide Test Program Support; perform Power Quality Audits; provide Breaker Coordination Studies; along with Grounding, Bonding, & Shielding Studies.

The Contractor shall provide operator level training to include start up, reconfigure and troubleshooting operational problems with the new CADPES systems/equipment. The Contractor shall provide training to include Technology, Architecture and Advanced Analysis of AC Power and Environmental Systems. The Contractor shall provide preventive and emergency maintenance as specified in the Order. (CDRL C0001 and DI-MISC-80711)

The Contractor shall provide network management and monitoring of these systems and may be required to integrate into the overall Network Management System, as specified in the Order.

3.3.1.9 Components and Spares

The Contractor shall provide equipment assemblies, sub-assemblies, components, spares, repair parts, and facilities. These items may include test equipment, equipment racks, base band electronics, patching, controls, IF, RF, antennas, tripods, transit cases, tests, Network Monitoring Software (NMS), radomes, and auxiliary equipment, assemblies, sub-assemblies, and components supporting the systems, terminals, satellite networks, equipment, and facilities pertaining to the efforts associated with the DoD and other Federal Agencies, including systems and subsystems and related ground support equipment associated with CTS.

3.3.1.10 Wideband Planning, Management and Control

The Contractor shall provide engineering, operational and technical support in the creation, installation, modification, deployment and maintenance of systems required to plan, manage and control the applicable wideband satellites, to include the facilities that house them. The Contractor shall provide engineering, operational and technical support for all hardware and software required for the LANs within each facility, the WANs interconnecting the facilities and any links connecting to facilities outside of the planning, management and control centers.

The Contractor shall perform or support all phases of the ATO accreditation process, including, but not limited to, security analysis, system lockdowns, Security Engineering Assessment (SEA)/ DIACAP Certification Test (DCT) executions, security documentations

3.3.1.11 Local Area Networks

and testing. The Contractor shall utilize analysis tools, including the DISA Gold Disk and the Retina Scans.

The Contractor shall engineer, furnish, install and support Inside Plant (ISP) and Outside Plant (OSP) Cable distribution systems. The cable systems will be both aerial and buried. Specifications for OSP Communications Facilities Installation of Copper and Fiber Optic Cable Systems shall be used as guidance. Scope of the OSP effort will include trenching, ducting, provisioning of manholes, and cable pull points. Installation of ISP distribution systems will include wall and floor penetrations.

The Contractor shall support all components of the system to include cable and wireless equipment, and other ancillary devices, i.e., line drivers, modems, CSU, DSU, etc., required to provide end user services. When required, a Protected Distribution System (PDS) is used and will be Contractor supported. All unprotected classified signals lines shall be protected by an approved PDS. The system meets the standards outlined in National Security Telecommunications and Information Systems Security Instruction (NSTISSI) 7003, Protected Distribution System. PDS systems, when specified in the Order, may require the use of aesthetically pleasing components. TEMPEST separation for classified networks shall meet the requirements outlined in NSTISSI TEMPEST Memorandum 2/95.

3.3.2 Services

The Contractor shall, provide personnel for project management and administration, operation and maintenance (O&M) support, Mobile Maintenance Team Technicians (MMTT) and Help Desk Services engineering, installation, system and equipment prototyping, simulation, Information Assurance (IA) and certification, integrated logistics, training, system support, and site survey services supporting the communication and transmission systems and networks, equipment and facilities pertaining to the efforts associated with the PWS, including previously fielded systems, subsystems and related ground support equipment specified in the Order. The Contractor shall provide all necessary equipment to support the effort. The Contractor shall provide vendor and regional level depot support of any communication and transmission systems specified in the Order. Services may be procured on a FFP, CR, or T&M basis as identified in the Order.

3.3.2.1 Transmission Systems Support

The Contractor shall provide satellite, terrestrial, networking, and communications systems support, to include ancillary equipment, for all phases of installation and testing, to ensure fully operational systems meet user requirements. The Contractor shall conduct analyses of system requirements; participate in studies, exercises, tests, evaluations and demonstrations for systems, as well as associated satellite, terrestrial, transmission, and network equipment control systems. The Contractor shall provide vendor and regional level depot support of all communication and transmission systems specified in the task.

The Contractor shall perform site surveys and develop installation plans consisting of floor plans, rack/equipment layouts, bills of material, duct and conduit runs, signal, coaxial, and power cabling, HVAC, AC/DC power, fire suppression and test cutover plans.

3.3.2.2 Operation and Maintenance

The Contractor shall provide O&M for transmission systems, wide and local area networks, and associated baseband equipment for new and existing systems, subsystems, components of the system, and ancillary systems that include power, HVAC, and UPS. The Contractor shall provide all O&M services up to 24 hours a day, 7 days a week (24x7) as specified in the Order. The Contractor shall perform on-site O&M of all equipment, systems, and cabling infrastructure. The Contractor shall be responsible for the continued operational compatibility and interoperability of the installed systems and equipment with all circuits, systems, equipment and existing facilities.

3.3.2.3 Mobile Maintenance Team Technicians (MMTT) and Help Desk Services

The Contractor shall deploy MMTT worldwide to support terrestrial and satellite transmission systems and associated wide and local area networks and customers. The Contractor shall staff, operate and maintain 24X7 hour Help Desks worldwide to provide system monitoring, assist users with the installation and operation of deployed systems as specified in the Order. The Contractor shall provide the Help Desk services required for interfacing with clients regarding their service requirements, entering information into the Help Desk ticketing system, performing trouble isolation and resolution steps to restore voice, data, and video service as required, utilizing remote desktop control software to resolve problems remotely, creating client accounts, deleting client accounts, adding computers to the MS domain, setting up and troubleshooting printers, and processing service account request forms.

3.3.2.4 Engineering

The Contractor shall provide engineering support in the development of all forms of communication and transmission systems, and wide and local area networks.

The Contractor shall review designs, plans and reports; assess the impact of recommended changes on systems development; and perform other tasks required to support the total mission and communications requirements of the user. The Contractor shall have a thorough knowledge of the existing space and terrestrial communications systems, networks, operations; be capable of providing system engineering, components, and subsystems; and the interoperability of proposed systems to existing networks. The Contractor shall develop and perform modeling and simulations to verify potential CTS designs, determine performance characteristics, and provide operator training.

The Contractor engineering support shall create and revise engineering documents, Configuration Management and Control, maintenance and service manuals, procedural and operator manuals, and other engineering related manuals, policies, procedures, guides and

reference material to include drawings and associated parts lists. (CDRL D001 and DI-MISC-80711)

The Contractor shall perform or support all software development processes required for the creation and/or maintenance of all systems. This shall include the activities of the system developer and/or supporting the Government in the role of Independent Verification and Validation (IV&V). This shall include all phases of software development, to include, but not limited to, software design, coding and testing, OS installation and configuration, database installation and configuration and all engineering disciplines required to ensure that the systems meet their stated requirements.

3.3.2.5 System and Equipment Prototyping

The Contractor shall provide prototyping, engineering and testing services for short notice projects. The Contractor shall perform hardware design and prototyping that includes requirements for well-engineered breadboard, brass board, rack, chassis, or transit case mounted hardware prototypes, capable of operation under field conditions. The Contractor shall perform software design, development, and test in support of requirements in an Order. The Contractor shall perform integration and test of hardware and software in support of requirements in an Order.

3.3.2.6 Studies, Analysis and Reporting

The Contractor shall perform studies and analyses as specified by the government. These may include logistics, engineering, financial, and operational studies and analyses. The Contractor shall document the results of all testing, certifications and engineering tasks in accordance with the attached Scientific and Technical Reports (CDRL C0001, DI-MISC-80711).

3.3.2.7 Facility Upgrade Services

The Contractor may be required, as specified in the task order, to provide necessary facility upgrades incidental to equipment installations.

3.3.2.8 Integrated Logistics Support

The Contractor shall provide Integrated Logistics Support (ILS) services and data in all areas of Life Cycle Management (LCM) for all CTS items, both developmental and non-developmental, and product improvements from program conception to fielding and deployment as defined in the Order.

The Contractor shall provide support to integrate all the logistics elements in the equipment acquisition process, as described in the Order, to include maintenance, training, Manpower and Personnel Integration (MANPRINT); technology insertion; supply support; test equipment; training and training devices; technical data; system computer resources; packaging-handling-storage; transportation and transportability analysis; and standardization;. The ILS support

may include analysis, review, and monitoring of the ILS for the program, and delivered as defined in the Order.

The Contractor shall perform Operation and Maintenance (O&M) Planning as specified in the Order. The Contractor shall analyze concept of operations, maintenance procedures, and outage reporting procedures and issues affecting systems, equipment and repair parts as specified in the Order. Maintenance Planning includes development of a maintenance concept by developing a Maintenance Allocation Chart, conducting maintenance studies, such as tools and TMDE analysis and maintenance task analysis. Maintenance Planning is accomplished so that it is integrated with other various facets of support, such as personnel support.

The Contractor shall provide any or all of the following publications; systems level operations and maintenance technical manual, quick reference guide, and electronic formatted manuals to include but not limited to, Electronic Technical Manual (ETM), Interactive Electronic Technical Manual (IETM), Computer Based Training (CBT), Computer Based Interactive Training (CBIT), Modification Work Orders, Field or Technical Bulletins, Repair Parts and Special Tools, technical manuals, Provisioning Parts Lists, and other such items, and delivered as specified in the Order.

The Contractor shall review, develop, and/or modify/update and submit logistics support publications as specified in the Orders. Such publications may include Supportability Strategy, Integrated Support Plans (ISPs), Technical Orders, Technical Manuals, work specifications, Lubrication Orders, Interactive Electronic Technical Manuals, Repair Parts and Special Tools Lists (RPSTLs), Provisioning Parts Lists, Screening Data, Modification Work Orders, Maintenance Allocation Charts, Support Equipment Selection Data (SESD), and Material Fielding Plans.

The Contractor shall provide all training materials in digital (CD/DVD) format as requested by the Government. These training materials shall include but are not limited to; technical manuals, training software and distance learning capabilities. The technical training instructors shall ensure that all students are provided access to any materials needed for remedial and/or on-going training. Training materials shall become the property of and be delivered to the Government.

The Contractor shall provide all qualified training personnel. The trainers shall possess the requisite skills to instruct at all levels of the systems process, including field assembly, testing, and maintenance of both the tactical and strategic equipment. The Contractor shall also have the ability to perform on-site testing/training and provide support in both CONUS/OCONUS military installations and Contractor facilities.

The course training materials shall provide the information necessary to assemble, test, operate, service, troubleshoot and repair equipment and software in the field. A comprehensive appendix shall provide the procedures and training necessary to guide all levels of competency from basic through the critical stages of equipment and software operations.

The Contractor shall use an approved marking identification system or Unique Identifier (UID), and register UIDs as specified in the Order.

The Contractor shall extend to the government all commercially available warranties. The Contractor shall identify the equipment, vendor, and terms of the warranty, and provide these with the equipment delivery. The Contractor shall enforce warranties on Government Furnished Equipment under Contractor control. The Contractor shall inform the Government of difficulties encountered in the enforcement of warranties and of instances in which the costs of enforcement would exceed the benefits derived. (CDRL C0001 and DI-MISC-80711A)

3.3.2.10 Leasing of Systems, Facilities, and Equipment

The Contractor shall lease communication and transmission systems, satellite bandwidth, vehicles, facilities, and equipment as specified in the Order.

3.3.3 Technology Insertion, Systems Integration and Enhancements

The Contractor shall integrate new equipment technologies into existing system architectures as specified in the Order. The Contractor may apply a systems engineering approach to ensure that mission objectives and system criteria requirements are fulfilled. Emphasis shall be on the demonstration of clear and measurable improvements in the performance, logistics supportability, reliability and maintainability of the item.

Design concepts shall include provisions for continuous technological improvement to maximize opportunities for product improvement available from emerging technological advances in the market place. Proven technologies, products and processes shall be utilized wherever possible.

3.3.4 Installation

The Contractor shall install system components consisting of equipment, equipment cabinets, cable ladder and ducting, cables, power distribution, equipment grounding, hardware, firmware, and software. Workmanship shall conform to the practices described in applicable safety codes or standards such as the National Electrical Code, National Fire Protection Association, American National Standards Institute, and any guidelines stated in the order.

Upon completion of installation tasks, the Contractor shall inventory all remaining materials and list them in a document to be provided to the Government. At the Government's discretion, surplus equipment and installation materials may be returned. If the Government elects the return of the surplus equipment and installation material, the Government will identify the location for the return. In addition, all installation waste such as packing material and crates shall be disposed of in accordance with applicable standards or as stipulated in the order.

The Contractor shall provide all necessary installation tools and test equipment including any unique or specialized tools or “test, measurement, and diagnostic equipment” (TMDE). All tools and test equipment shall be appropriately certified and calibrated as required. Use of Government Furnished Equipment (GFE) such as tools or TMDE is limited and, if available, will be specified in the order.

Installations may include loading, provisioning and configuring network and office automation hardware and software. Individual task orders may require that hardware and software configurations be documented in as-built drawings and network management and maintenance manuals.

The Contractor shall provide needed heavy equipment required for successful installation of systems on any site. The equipment shall include, but not limited to: forklifts; cherry pickers; heavy power tools. The Contractor shall also ensure that only licensed professionals operate the equipment.

The Contractor shall provide system installation efforts as specified in the Order. System installation efforts include all site preparation.

3.3.5 Test and Evaluation

The Contractor shall conduct evaluations as well as developmental, operational, and acceptance tests of information systems or networks, subsystems, or equipment. Tests shall be performed in the Contractor’s plant, at the site of installation, or other locations as tasked.

The Contractor shall provide test and evaluation services, test equipment and facilities, and data as specified in the Order. Tests shall be performed in the Contractor’s plant, at the site of installation, or other locations as tasked.

The Contractor shall ensure that all hardware, software, test equipment, instrumentation, supplies, facilities, and personnel are available and in place to conduct or support each scheduled test.

The Contractor shall develop test plans, evaluation plans, test reports, evaluation reports, quality assurance and or quality control standards, pamphlets and handbooks as tasked. The developmental test and evaluation plans shall document the steps necessary to measure or evaluate whether the system, subsystem, software or equipment under test satisfies user requirements, performs as advertised, and or meets applicable standards. The developmental test and evaluation reports shall record the results of the measurements or evaluations.

3.3.6 Information Assurance, Certification and Accreditation

The Contractor shall obtain commercial and military certifications, accreditations, and authorizations for new or modified parts, subsystems, platforms, designs, equipment or installations in accordance with applicable commercial and DoD standards.

The Contractor shall provide an Information Assurance Team (IAT) for Certification and Accreditation, Network Security, Security Training and Awareness, Vulnerability Assessments, Technical Integration, and Multi-Level Security. Documentation must be in compliance with current DoD policies to include DIACAP requirements. The team shall be well versed in the LANs and WANs across the multiple domains in support of user requirements. The Contractor shall ensure the measures, procedures, and configurations are in place to fully support the security integrity of the information technology infrastructure.

The Contractor shall provide engineers to assist in the accreditation process of an existing system or in the initial design of new systems, to ensure proper security postures are in place throughout the system design.

The Contractor shall obtain commercial and/or military certifications/authorizations for new or modified parts, subsystems, platforms, designs, equipment or installations in accordance with applicable commercial and DoD standards. The Contractor is responsible for all acceptances testing necessary to meet certification requirements. The Contractor shall obtain authorization for radio frequencies in support of solutions provided and provide the Federal Communications Commission (FCC) certificate of compliance or approved DD 1494. All transmission equipment shall have an approved Spectrum Certification Authority for the radio and associated antennas or a validated Application for Equipment Frequency Allocation, DoD Form 1494, as required by the task. The Contractor shall complete all documentation and requirements for Satellite Database (SDB) entries, satellite access, and Transmission Requests for circuits required by the task.

The Contractor shall assist the Government with Certifications and Accreditations and ensure systems meet all applicable network and interoperability certifications, security policies and accreditations as delineated in the specific task, to include DoD Information Assurance Certification and Accreditation Program (DIACAP) DoD Instruction 5200.40 and AR 25-2 Information Assurance.

3.3.7 Data Management

3.3.7.1 Product Data

The Contractor may review, develop and submit Product Data as specified in the Order. Product data may define one or more configuration items, associated manufacturing processes and associated test procedures. Various types of Product Data, including engineering drawings, specifications, software configuration documentation, interface control documentation, quality assurance provisions, and item descriptions may be required. The copyrights of any technical data and computer software shall be provided for use in operations and maintenance manuals. The Contractor may provide reusable data in

electronic format as specified in the Order. (CDRL C001 and DI-MISC-80711) Furthermore, Product Data may provide:

- (1) Complete design disclosure;
- (2) Form, fit and function requirements;
- (3) Performance specifications;
- (4) Design and repair instructions;

3.3.7.2 Configuration Management

The Contractor shall provide and manage the baseline configuration of the systems, subsystems and items acquired under this PWS as specified in the Order. (CDRL D001 and DI-MISC-80711)

Such support includes:

- (1) Collection, review, tracking and archiving of Configuration Control Documents.
- (2) Development of automated databases to track hierarchical components.
- (3) Maintenance of Product Data.
- (4) Support to Configuration Control Boards.
- (5) Performance of Functional Configuration Audits and Physical Configuration Audits.
- (6) As-built and Plant-in-Place Drawings

4.0 DELIVERABLES

4.1 Products

The Contractor shall deliver all products to the Government locations as specified in the Order. All products delivered shall be accepted by authorized Government personnel via DD Form 250. Unless otherwise specified, inspection, testing, acceptance, and FOB point shall be at Origin. The PCO shall be notified of any discrepancies found during acceptance inspection upon identification.

4.2 Data

Contract Data Requirements Lists (DD Form 1423) for the data requirements attached to this PWS. Additional data requirements and associated CDRLs will be included in individual Orders.

The Contractor shall submit Contract Reports in accordance with the attached Contract Data Requirement List (CDRLS)

Performance and Cost Report - DI-FNCL-80912 (Exhibit A)

Contractor's Progress, Status & Management Report DI-MGMT-80227. (Exhibit B)

Army Contractor Manpower Reporting – PAL-080-05 (Exhibit C)

Scientific & Technical Reports – DI-MISC-80711 (Exhibit D)

Operations Security (OPSEC) Plan – DI-MGMT-80934A (Exhibit E)

Small Business Participation Report – DI-MGMT-81642 (Exhibit F)

4.3 Central Data Repository

The Contractor shall provide a central electronic repository for all technical, and management data that are either required deliverables or are by-products of the development and related activities, such as configuration, tracking, and quality assurance. This data shall include, but not be limited to, design information, hardware (HW) and software (SW) test procedures and results, engineering and logistics documentation, and any databases used or generated during this contract. The most current version of any document or data shall be made available within five (5) working days of being updated. This version plus its historical predecessors shall be made accessible for authorized Government representatives. The Contractor shall index and control versions of all documents in the central repository. Data storage formats not constrained by the design tools used shall be placed in the electronic repository in any of the JTA-approved document interchange digital file formats.

All classified data shall be paper hardcopy stored and safeguarded in accordance with the DoD 5220.22M, "National Industrial Security Program Operating Manual", and the security classification guides applicable to this contract.

Within 30 days of the contract award, the Contractor shall provide authorized Government representatives remote access to the documents in the central repository. The remote access capability shall be implemented using the internet and shall be available 24/7. The remote access capability shall allow authorized Government representatives to view and download documents via a WWW browser.

The Contractor's format for technical data and computer software must be acceptable to the Government. If data is recorded with a specialized tool such that it can only be accessed by that tool, the Contractor shall provide the Government with the applicable procedures and identify the software and licenses required to effect remote access to the tool.

All data in the Central Data Repository shall be transferred to the Government at the completion of the Contract.

5.0 DEPLOYMENT OVERSEAS PROVISIONS

The Contractor may be required to provide peacetime or contingency contractor support, as well as, contractor support during military operations and war. The Government may direct the Contractor to deploy and perform in support of military operations, including contingencies

and exercises, as provided by law or defined by the applicable Joint or Service Component Command. Services may be performed in an identified area of operations, also known as theater of operations, or in support of the contingency or exercise. The Contractor shall comply with US Forces access, security, safety, and environmental protection while on US Forces installations or areas under US Forces control. When deployed, services provided to Contractors in support of military operations will be commensurate to those services provided to US Military and US Government civilian employees, if available.

In the event Contractor employees are deployed or hired into the area of operations in support of contingencies, military exercises/operations, or war, the following additional contract items and conditions will apply unless otherwise noted.

5.1 Management

The Contractor shall ensure that all its employees comply with all guidance, instructions, and orders applicable to Armed Forces and Department of Defense (DoD) civilians and issued by the Theater Commander or his/her representative. This shall include any and all guidance and instructions issued based upon the need to ensure mission accomplishment, force protection, and safety. The Contractor shall ensure compliance with all federal statutes, judicial interpretations, and international agreements (e.g., Status of Forces Agreements, Host Nation Support Agreements, etc.) applicable to US Armed Forces or US citizens in the area of operations. Host Nation laws and existing Status of Forces Agreements may take precedence over contract and mission requirements.

The Contractor shall take reasonable steps to ensure the professional conduct of its employees. The Contractor shall promptly resolve, to the satisfaction of the COR, all Contractor employee performance and conduct issues identified by the COR or cognizant GTL. The KO or designated representative may direct the Contractor, at the Contractor's expense, to remove or replace any Contractor employee failing to adhere to instructions and orders issued by the Theater Commander or his/her designated representative should the Contractor fail to remedy the failure in a timely manner. The Contractor shall develop plans and procedures to provide guidance and control of the deployment process. Operational issues encountered by the Contractor and deployed forces will be resolved directly by the COR and / or designated GTL.

5.2 Accounting for Personnel

As requested by the COR or designated GTL, and based on instructions of the Theater Commander, the Contractor shall report within 7 days, all its employees, including third country nationals, entering and/or leaving the theater of operations by name, citizenship, location, Social Security Number (SSN), or other official identity document number to the COR or GTL, and the local reporting agency designated by the Theater Commander. Reports shall be submitted to the COR, GTL, and deployed agency as directed by the COR. Additional Contractor information may be requested by the local area commander, with COR concurrence, to ensure the safety of all deployed personnel. All changes and updates to deployed Contractor personnel shall be coordinated with the COR and designated GTL.

If a Contractor employee departs the theater of operations without the COR, GTL, or Contractor permission, the Contractor shall ensure continued performance IAW the terms and conditions of the contract. If the Contractor must replace an employee who departs without permission, the replacement is at the Contractor's expense and must be in place within a period designated by the COR and /or GTL, with minimal impact to the mission.

5.3 Risk Assessment and Mitigation

The Contractor shall brief its employees regarding the potential danger, stress, physical hardships, and field living conditions. The Contractor shall require all its employees to acknowledge in writing that they understand the danger, stress, physical hardships, and field living conditions that are possible when deployed in support of military operations, including contingencies and exercises. The Contractor shall ensure all deployed personnel fully understand that they are being compensated as outlined in: Supplemental Compensation/ Billing /Working Conditions/ Travel Information for Contractor Support for Deployed Contingency, Military Exercises/Operations, and War Section 4.3.24, based on their work in a hostile area.

5.4 Force Protection

While performing duties IAW the terms and conditions of the contract, the Government shall provide force protection to Contractor employees commensurate with that given to DoD and Government civilians in the theater of operations area. The Government makes no guarantee to the safety or force protection provided for Contractor personnel. As required by the operational situation, the Government will relocate Contractor personnel (who are citizens of the US, alien resident in the US or third country nationals, and not resident in the host nation) to a safe area or evacuate them from the theater of operations.

5.5 Vehicle and Equipment Operation

The Contractor shall ensure employees possess the required civilian licenses to operate the equipment and vehicles necessary to perform contract requirements in the theater of operations IAW the PWS. Before operating any military owned or leased equipment or vehicle, the Contractor employee shall provide proof of license (issued by an appropriate Governmental authority) to the COR or designated GTL. The Government shall provide training and license Contractor employees to operate military owned or leased equipment and vehicles. The Contractor and its employees shall be held jointly and severally liable for all damages resulting from the unsafe or negligent operation of military owned or leased equipment and vehicles.

In the event military owned or leased equipment and/or vehicles are not available for the Contractor to complete mission requirements, the COR shall provide written concurrence to allow the Contractor to rent commercial equipment and/or vehicles IAW the current contract scope. The Contractor shall provide the COR with written equipment and vehicle requirements for each mission and shall be commensurate with that given to the DoD and Government civilians in the theater of operations area. Contractor equipment and vehicle

costs shall be charged to the Government as an ODC line item and shall be tracked and invoiced by the Contractor as a separate invoice line item.

Contractors operating military owned, leased, or rented equipment and vehicles, as required by the contract, shall be authorized access to fuel cards for petroleum and oil products, and fuel access points in the theater of operation. Petroleum products shall be obtained at the Government's expense in the performance of the contract.

5.6 CONUS Replacement Center (CRC)

The Government shall be responsible for providing the Contractor information on all requirements necessary for deployment. All Contractor personnel deploying to a theater of operations for greater than 30 days, or as directed by the GTL, must attend CRC or similar training. Specific deployment requirements will be dictated by the Theater Commander for an area of operations. The COR or designated GTL shall identify to the Contractor all required deployment and mission training and the location of the required training.

Deployment training may include use of specialized protective clothing, threat and Operational Control (OP CON) briefs, driving, mission, and theater specific requirements. The Contractor shall ensure that all deploying employees receive and successfully complete all required training. All Government required and designated deployment training costs will be charged to the Government as an ODC line item and shall be tracked and invoiced by the Contractor as a separate invoice line item.

The COR or designated GTL shall provide the Contractor with all physical, medical, and dental requirements and standards necessary for deployment. The Contractor shall ensure physical, medical, and dental evaluations are conducted on all its deployable and/or mission essential employees to ensure they are medically fit and capable of enduring the rigors of deployment in support of a military operation. Medical and dental screening will be conducted at a CRC or similar facility depending on mission, prior to deployment. Medical screening may include DNA sampling and immunizations for all Contractors deploying to a theater of operations. Contractors shall medically pre-screen and pre-certify their employees prior to CRC attendance to ensure successful processing at CRC. For any Contractor employee determined by the Government at the deployment processing site to be non-deployable, the Contractor shall promptly remedy the problem at their own expense. If the problem cannot be remedied in time for deployment, a replacement having equivalent qualifications and skills shall be provided by the Contractor to meet the re-scheduled deployment timeline as determined by the COR or designated GTL.

The Government shall provide all Contractor employees with Nuclear, Biological, and Chemical (NBC) and Chemical Defensive Equipment (CDE) required and familiarization training for the performance of mission essential tasks in designated high threat countries.

At the CRC, or similar facility, the Contractor shall be provided with all required protective clothing and equipment to include TA-50, flak jacket, Kevlar helmet, and boots as directed by the Theater Commander. Protective clothing and equipment required for deployment to a theater of operations, and not available to the Contractor as GFE, shall be procured by the

Contractor and charged to the Government as an ODC line item and shall be tracked and invoiced by the Contractor as a separate invoice line item.

5.7 Standard Identification Cards

The COR/GTL shall identify to the Contractor all identification cards required for deployment to a theater of operation and shall inform the Contractor where the identification cards will be issued and process used to obtain the cards. The COR and/or designated GTL shall coordinate the issuance of required identification cards for all Contractor employees whether or not they are processing through a CRC type facility. Upon redeployment or conclusion of the contract performance, the Contractor shall ensure that all issued controlled Government identification cards are returned to the COR or designated GTL.

For identification cards and badges, and access purposes, the Contractor shall provide the COR and GTL with a list of all employees (including subcontractors and/or local vendors being used in the theater of operations) with all required identification and documentation information. The information provided shall be used to provide Contractor personnel with the appropriate Common Access Card (CAC), identification tags, Geneva Convention Card, and ration card, when appropriate.

Prior to deployment, each deploying Contractor shall be provided a Contractor Letter of Accreditation/Identification (LOA/I) used in conjunction with the CAC to complete required travel, movement and access information within the theater of operation. The LOA/I will contain all the appropriate personal information and privileges provided by the Government.

5.8 Clothing and Equipment Issue

The Contractor shall ensure that all employees possess the necessary personal protective clothing and safety equipment to perform in the theater of operations designated by the Theater Commander. Clothing should be distinctive and unique and not imply that the Contractor is a military member, while at the same time not adversely affect the Government's tactical position in the field. Contractors accompanying the military units are not authorized to wear military uniforms, except for specific items required for safety and security. When required, the Government shall provide to the Contractor all military unique organizational clothing and individual equipment.

Upon receipt of personal protective clothing and equipment, the Contractor shall assume responsibility and accountability for these items. The Contractor employee shall sign for all issued protective clothing and individual equipment, thus, acknowledging receipt and acceptance of responsibility for the proper maintenance and accountability. The Contractor shall ensure that all issued protective clothing and individual equipment is returned to the Government through redeployment at a CRC.

5.9 Legal Assistance

The Contractor shall ensure all personnel deploying to or in a theater of operations are furnished the opportunity and assisted with making wills as well as with any necessary powers of attorney prior to deployment processing and/or deployment.

5.10 Fitness for Duty

Contractors are not authorized routine medical or dental care while deployed. The only exception is by waiver from the CENTCOM Surgeon General in coordination with the CENTCOM General Counsel. These are extremely rare and have been reserved for individuals with extremely unique skills versus entire contracts

In the event of severe injury or death of a Contractor deployed in support of military operations, the Government shall evacuate the Contractor or the remains to the nearest CONUS staging location. The Contractor shall then assume responsibility for the employee as defined by Contractor instructions and procedures.

5.11 Weapons and Training

Whether Contractor personnel shall be permitted to carry a Government furnished weapon for self-defense purposes in the area of operations is at the discretion of the Theater Commander and specific mission requirements. Contractor personnel, however, shall not possess or use personally owned firearms or ammunition in any theater of operations.

The Government may choose to issue personal weapons and ammunition for self-defense to the Contractor personnel. Acceptance of weapons by Contractors is at the discretion of the Contractor. When accepted, the Contractor shall comply with the provisions at DFARS 252.225-7040(j).

5.12 Passports, Visas, and Customs

The Contractor is responsible for obtaining all passports, visas, or other documents necessary to enter and/or exit any area(s) identified by the PWS, COR, and GTL for Contractor employees. All Contractor employees shall be subject to the customs processing procedures, laws, agreements, and duties of the country in which they are deploying to and the procedures, laws, and duties of the US upon re-entry. All costs associated with Visas, customs, and duties dictated by mission requirements shall be charged to the Government as an ODC line item and shall be tracked and invoiced by the Contractor as a separate invoice line item. Contractors are required to register all personnel with the appropriate US Embassy or Consulate, as designated by theater operating procedures.

5.13 Reception, Staging, Onward Movement, and Integration

Upon arrival in the AOs, Contractor employees shall receive Reception, Staging, Onward Movement and Integration (RSO&I), as directed by the theater operating instructions and directives. All Contractor personnel shall report their arrival to the local Logistics Support

Element Logistics Assistance Office Cell, or appropriate designated Government official as directed by the COR.

The Contractor shall be prepared to move material and equipment using US Government transportation and comply with applicable transportation regulations, such as MILSTAMP, etc., for safety, packaging, tie-down, etc. When required, and concurred by the COR, the Contractor may use commercial transportation and shipping processes to complete the movement of mission essential equipment. Costs associated with commercial shipping shall be charged to the Government as an ODC line item and shall be tracked and invoiced by the Contractor as a separate invoice line item.

Use of Government Resources (CONUS and OCONUS)

As available the Government base operations branch or base operations support Contractor may maintain or replace any and all necessary items to ensure continued system operations as delineated in the Performance Work Statement. The government base operations branch or base operations support Contractor support can consist of, but not be limited to, the following type of utilities and facilities support activities:

- ECU (air conditioning/heating)
- Air compressors
- Government Vehicles
- Generators
- Fuel/lubricants
- Filters
- Lighting (replacement bulbs)
- Electrical power supply
- Painting and maintenance of shelters to include necessary shelter modifications

and any other items determined by the COR to be necessary to allow for continuous operation and maintenance of the systems and equipment.

5.14 Living Under Field Conditions

The Government shall provide to Contractor employees deployed in the theater of operations the equivalent field living conditions, messing facilities, and Government billeting, military banking and Finance accounting Office, sanitary facilities, mail delivery, laundry service, transportation (aircraft, train, bus, and auto), access to commissary, and exchange privileges to include rationed items, and other available support afforded to Government employees and military personnel in the theater of operations.

5.15 Morale, Welfare, and Recreation

If available and authorized by the appropriate authority, the Government shall provide to Contractor employees deployed in the theater of operations morale, welfare, and recreation services commensurate with that provided to DoD civilians and military personnel deployed in the theater of operations.

5.16 Evacuation in Event of Hostilities.

The Government agrees to provide evacuation of non-essential personnel in accordance with existing local military forces policies and directions in the event of an outbreak of hostilities. The Government makes no guarantee as to the location of the rearward assembly point.

5.17 Status of Forces Agreement (SOFA)

With consultation with the servicing legal advisor, the COR shall inform the Contractor of the existence of all relevant SOFA and other similar documents, and provide copies upon request. The Contractor is responsible for obtaining all necessary legal advice concerning the content, meaning, application, etc. of any applicable SOFAs, and similar agreements. The Contractor shall adhere to all relevant provisions of the applicable SOFAs and other similar related agreements. The Contractor shall be responsible for providing the Government with the required documentation to acquire invited Contractor or technical expert status, if required by SOFA. Additional information concerning Status of Forces Agreement (SOFA) is at Attachment 1.

5.18 Tour of Duty/Hours of Work

The COR shall provide the Contractor with the anticipated duration of the deployment. The Contractor, at his/her own expense, may rotate Contractor employees into and out of the theater provided there is not degradation in mission. The Contractor shall coordinate personnel changes with the COR and designated GTL. The COR and GTL shall provide the Contractor with the anticipated work schedule. The COR and designated GTL may modify the work schedule to ensure the Governments ability to continue to execute its mission. Contractor personnel shall be provided Government transportation during rotation periods for personal health and welfare leave. Vacation rotation will be commensurate with that provided to DoD civilians and military personnel deployed in the theater of operations.

5.19 Health and Life Insurance

The Contractor shall ensure that insurance is provided to its deployed employees for the theater of operations and allow traveling in military vehicles. If applicable, the Contractor will be reimbursed for additional insurance costs required to comply with the Defense Base Act.

5.20 Next of Kin Notification

Before deployment, the Contractor shall ensure that each Contractor employee completes a DD Form 93, Record of Emergency Data Card, and returns the completed form to the designated Government official.

The Contractor shall be responsible for notification of the employee-designated next of kin in the event an employee dies, requires evacuation due to an injury, or is isolated, missing, detained, captured, or abducted.

In the case of isolated, missing, detained, captured, or abducted Contractor personnel, the Government will assist in personnel recovery actions in accordance with DoD Directive 3002.01E, Personnel Recovery in the Department of Defense.

5.21 Return Procedures

Upon notification of redeployment, the Contractor employee is authorized travel from the theater of operations to the designated CRC or individual deployment site. The Contractor shall ensure that all Government-issued clothing and equipment provided to the Contractor or the Contractor's employees are returned to Government control upon completion of the deployment. The Contractor shall provide the COR or designated GTL with documentation, annotated by the receiving Government official, of all clothing and equipment returns.

5.22 Offenses outside the US

Public Law 106-523. Military Extraterritorial Jurisdiction Act of 2000 applies when applicable. Amended Title 18, US Code, established Federal Jurisdiction over certain criminal offenses committed outside the US by persons employed by or accompanying the Armed Forces, or by members of the Armed Forces who are released or separated from active duty prior to being identified and prosecuted for the commission of such offenses, and for other purposes. Essentially, the Act applies to anyone who engages in conduct outside the US that would constitute an offense punishable by imprisonment for more than 1 year, the same as if the offense had been committed within the jurisdiction of the US. The person must be employed by or accompanying the Armed Forces outside the US. The term employed by the Armed Forces outside the US means employed as a civilian employee of DoD, as a DoD Contractor, or as an employee of a DoD Contractor, who is present or residing outside the US in connection with such employment, and is not a national of or ordinarily resident in the host nation. The term accompanying the Armed Forces outside the US means a family member of a member of the Armed Forces, a civilian employee of the DoD, a DoD Contractor, or an employee of a DoD Contractor, not a national of or ordinarily resident in the host nation.

5.23 Supplemental Compensation/ Billing /Working Conditions/ Travel

- a. The purpose of this section is to provide information regarding Contractor personnel deployed in support of military operations, including contingencies and exercises. This section provides consistency in the accountability, protection, command and control, management, and safety of those Contractors deploying.
- b. As used herein, the phrase "Contractor" or "Contractor personnel" includes both prime and subcontractor personnel. The phrase "deployment" or "deployed" includes support of the US Government during military operations, including contingencies and

exercises. The phrase "Theater Commander" includes all his/her designated representatives.

- c. The Contractor acknowledges that military operations during contingencies and exercises are inherently dangerous and accepts the risks associated with contract performance in this environment. Each military operation shall evolve differently depending upon mission requirements and local commander's guidance. The risks associated to Contractors deployed to hostile locations will be compensated through the receipt of Danger and Hardship Pays, as outlined in item (G) below. This additional pay provides the Contractor employee with compensation for their work in the hazardous location.
- d. For this contract, when deployed, billable hours shall be calculated based on 12 hour days, 6 day week, for a total of 72 hours per week. Additional hours over 72 billable hours will require written concurrence by the COR. Additional pay will be straight pay based upon approved contract rates. If applicable, premium pay can only be authorized by the Contracting Officer.
- e. When in CONUS and supporting deployed military operations, the Contractor shall be available to work on-call or extended hours to perform mission essential tasks that are within the contract scope. The Contractor shall receive written concurrence by the COR or Government Task Leader (GTL). The COR and/or GTL shall identify the parameters of on-call or extended duty, and notify the Contractor. All additional hours outside the existing contract scope shall be approved in writing by the KO and billable to the Government.
- f. Net increase in insurance costs resulting from the addition of the Defense Base Act shall be charged to the Government as an Other Direct Charge (ODC) line item and shall be tracked and invoiced by the Contractor as a separate invoice line item.
- g. Danger Pay (DP) and Hardship Differential Pay (HDP) Allowances:
 1. Contractor personnel shall be authorized DP and HDP reimbursements when deployed in hostile environments, with prior written concurrence by the COR.
 2. The Contractor shall provide the COR a written estimate for all billable DP and HDP costs. The request shall contain all names, labor categories, locations of deployment, estimated period of deployment, and estimated dollar value. The Contractor shall immediately notify the COR in writing when each individual returns from deployment and the date on which the DP and HDP shall be terminated.
 3. Contractor personnel hospitalized or on sick leave shall continue to receive DP and HDP when remaining in the DP designated area.
 4. DP and HDP for Contractor personnel shall begin immediately upon arrival in a designed theater of operations. The employee shall receive the allocated percentage for the location in which they are specifically assigned, or will be assigned for more than a 30 day consecutive period. The Contractor shall comply with the following DP and HDP percentages, unless a written modification is issued. In the event the Government has requirements outside the areas specified below, the contract will be modified accordingly.

Location	Danger Pay %	Hardship Differential Pay %
Afghanistan	35	35
Iraq	35	35
Kuwait	0	15
Qatar	0	15

Note: Contractor personnel shall receive DP and HDP on the first 40 billable hours with no markups (overhead, G&A, or fee) included IAW U.S. State Department guidelines. All DP and HDP costs shall be charged to the Government as an ODC line item and shall be tracked and invoiced by the contractor as a separate invoice line item to include additional FICA expenses. Unless authorized by the COR, the contractor shall use a maximum 72 hour work week for those personnel deployed. Any premium overtime requires prior approval in writing of the Contracting Officer.

- h. Contractor personnel shall receive DP and HDP on all billable hours with no markups (overhead, G&A, or fee) included. All DP and HDP costs shall be charged to the Government as an ODC line item and shall be tracked and invoiced by the Contractor as a separate invoice line item. Unless authorized by the Government the Contractor shall use a 72 hour work week for those personnel deployed.

5.24 Specific Contract Performance in Far East (FE), Korea

All Contractors performing in the Far East (FE), KOREA, must report their arrival and length of stay with the CECOM Senior Command Representative (SCR) at the Logistics Support Element-Far East (LSE-FE). The location of the LSE-FE is at Camp Market, Korea APO: AP 96283. The telephone numbers for contacting the Senior Command Representative is as follows: DSN: (315) 722-3222 or (315)722-3347, Cellular Number (315) 723-6206, and Fax No. (315) 722-3757. FAR 52.7410 DEPLOYMENT OF CONTRACTORS TO THE FAR EAST (FE) SEP/1999. If in Hawaii or Alaska, Contractors will report to the local logistics assistance office.

Note: The COR's concurrence on any actions stated above can only be provided for items that are within the scope of the existing contract. Any additional Government requirements outside the scope of the existing contract shall be approved in writing by the KO. All other terms and conditions remain unchanged and in full force and effect.

5.25 Theater Business Clearance (TBC)

In accordance with current instruction from the Joint Contracting Command-Iraq/Afghanistan (JCC-I/A) all contracts and Orders with delivery to or performance within Iraq, Afghanistan, and Pakistan will be reviewed and the applicable clauses included in the Order PWS. Specific guidance will be further detailed upon deployment.

6.0 PERFORMANCE ASSESSMENT PLAN

Each individual Order will set forth a Performance Assessment Plan including the appropriate metrics that will be assessed.

7.0 CONTRACTOR MANPOWER REPORTING (CMR)

The following clause applies only to Army requirements. The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure Army data collection site where the contractor will report ALL contractor manpower (including subcontractor manpower) required for performance of this contract. The contractor is required to completely fill in all the information in the format using the following web address: <https://cmra.army.mil> <<https://cmra.army.mil/>> . The required information includes:

- (1) Contracting Office, Contracting Officer, Contracting Officer's Technical Representative;
- (2) Contract number, including task and delivery order number;
- (3) Beginning and ending dates covered by reporting period;
- (4) Contractor name, address, phone number, email address, identity of contractor employee entering data;
- (5) Estimated direct labor hours (including sub-contractors);
- (6) Estimated direct labor dollars paid this reporting period (including sub-contractors);
- (7) Total payments (including sub-contractors);
- (8) Predominant Federal Service Code (FSC) reflecting services provided by contractor (and separate predominant FSC for each sub-contractor if different);
- (9) Estimated data collection cost;
- (10) Organizational title associated with the Unit Identification Code (UIC) for the Army Requiring Activity (the Army Requiring Activity is responsible for providing the contractor with its UIC for the purposes of reporting this information);
- (11) Locations where contractor and sub-contractors perform the work (specified by zip code in the United States and nearest city, country, when in an overseas location, using standardized nomenclature provided on website);
- (12) Presence of deployment or contingency contract language;
- (13) Number of contractor and sub-contractor employees deployed in theater this reporting period (by country).

As part of its submission, the contractor will also provide the estimated total cost (if any) incurred to comply with this reporting requirement. Reporting period will be the period of performance not to exceed 12 months ending September 30 of each government fiscal year and must be reported by 31 October of each calendar year. Contractors may use a direct XML data transfer to the database server or fill in the fields on the website. The XML direct transfer is a format for transferring files from a contractor's systems to the

secure web site without the need for separate data entries for each required data element at the web site. The specific formats for the XML direct transfer may be downloaded from the web site.

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