PERFORMANCE BASED STATEMENT OF WORK

Task Order Title: **Information Technology (IT) Support for AFNORTH for Mission Deployed Systems and Special Programs**

Task Name: AFNORTH IT Support

GSA Task Order ID: ID04200119

DATE: 11 March 2021

GENERAL SERVICES ADMINISTRATION (GSA),
Federal Acquisition Service (FAS), Region 4
Assisted Acquisition Services Division (AASD)
Section 5

GSA Senior Contracting Officer: Sara Harris Phone: (b) (6) [redacted] Email: sara.harris@gsa.gov	GSA Contract Specialist: Danielle Capik Phone: (b) (6) [redacted] Email: danielle.capik@gsa.gov
Client Command: First Air Force/Air Forces Northern, (AFNORTH) Tyndall Air Force Base, FL	AFNORTH Client Representative: (b) (6) [redacted] 1210 Beacon Beach Road Tyndall AFB, FL 32403-5549
Contracting Officer's Representative (COR): (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]	Alt. Contracting Officer's Representative: TBD

Task Contract Line Items (CLINS) See Appendix A

CLIN 001/1001/2001/3001/4001/5002 ACC/A3C Combat Cloud Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted] il Alt Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]
CLIN 002/1002/2002/3002/4002/5002 AFNORTH /A2 Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]
CLIN 003/1003/2003/3003/4003/5003 DJC2 Program Support Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]

CLIN 004/1004/2004/3004/4004/5004 NETC2 Program Support Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]
CLIN 005/1005/2005/3005/4005/5005 AFNORTH /A5 Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted] Alt Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]
CLIN 006/1006/2006/3006/4006/5006 AFNORTH/A6 Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]
CLIN 007/1007/2007/3007/4007/5007 Navy LVCt and CDS Support Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted] Alt Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] (b) (6) [redacted]
CLIN 008/1008/2008/3008/4008 AFNORTH/A5 Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]
CLIN 009/1009/2009/3009/4009/5009 AFNORTH A9 Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]
CLIN 0010/1010/2010/3010/4010/5010 Space and Missile Systems Center Contract Type: FFP	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]
CLIN 011 Reserved Contract Type: T&M	Client Rep: To Be Announced
CLIN 012 Reserved Contract Type: T&M	Client Rep: To Be Announced
CLIN 013 Reserved Contract Type: T&M	Client Rep: To Be Announced

CLIN 014 Reserved Contract Type: T&M	Client Rep: To Be Announced
Contract: Alliant under	

Period of Performance

1 Month Transition: 1 Sep 2021 to 31 Aug 2021
Base Period: 1 Sep 2021 to 30 Aug 2022
Option Year One: 1 Sep 2022 to 30 Aug 2023
Option Year Two: 1 Sep 2023 to 30 Aug 2024
Option Year Three: 1 Sep 2024 to 30 Aug 2025
Option Year Four: 1 Sep 2025 to 30 Aug 2026

Six Month Extension: 1 Sep 2026 to 28 Feb 2027 (if required)

[X]	Firm Fixed Price	[X]	Severable
[]	Labor Hour	[ ]	Non-Severable (fully funded)
[X]	Time and Material		
		[ ]	Fully Funded
[X]	Performance Based	[X]	Incrementally Funded

Current Period of Performance:

1 Month Transition: 1 Sep 2021 to 31 Aug 2021
Base Period: 1 Sep 2021 to 30 Aug 2022
Option Year One: 1 Sep 2022 to 30 Aug 2023
Option Year Two: 1 Sep 2023 to 30 Aug 2024
Option Year Three: 1 Sep 2024 to 30 Aug 2025
Option Year Four: 1 Sep 2025 to 30 Aug 2026
Six Month Extension: 1 Sep 2026 to 28 Feb 2027 (if required)

Current Task Order Ceiling Amount: TBD

Current Task Order Funded Amount: TBD

Current Amendment or Modification:
Amendment 001 Dec 18, 2020 Update based on offeror Q&A
Amendment 002 Mar 11, 2021 Update based on change in AFNORTH/A5 requirements (CLIN 005, 1005, 2005, 3005, 4005)

1.0 Introduction. This Performance Work Statement (PWS) describes contractor support for AFNORTH, located at Tyndall Air Force Base, FL and assigned to Headquarters Air Combat Command. It has sole responsibility for ensuring the aerospace control and air defense of the continental United States, U.S. Virgin Islands and Puerto Rico. As the Continental U.S. Region for NORAD, the bi-national North American Aerospace Defense Command, CONR provides air defense in the form of airspace surveillance and airspace control. As the service component to NORAD-NORTHCOM, AFNORTH is charged with the identification of capability shortfalls and the investigation of advanced Information Technology (IT) solutions for the warfighter. Air Combat Command, hereinafter referred to as ACC, is the AF force provider for NORAD-NORTHCOM and AFNORTH. ACC works with AFNORTH in the identification of new concepts and IT solutions to support Homeland Defense and other OCONUS applications. Similarly, the Naval Surface Warfare Center, Panama City Division (NSWC PCD) and the Navy Air Warfare Center Training Systems Division (NAWCTSD) play a vital role in developing command and control (C2), communications, computer, intelligence, surveillance and reconnaissance (C4ISR) IT solutions for Maritime fixed and remote systems associated with meeting the Special Operations needs of warfighters, intelligence organizations, and other government agencies. The Space & Missile Systems Center, Product Enterprise, Launch and Test Range Systems (SMC/ECPL) division provides the operations, maintenance, sustainment, and modernization activities of the nation's primary space launch services on the Eastern and Western Ranges (ER/WR). In support of AFNORTH, NSWC PCD, NAWCTSD, and SMC/ECPL Mission Deployed Systems and Special Programs contractor support will be acquired through the General Services Administration (GSA), Federal Acquisition Service (FAS), Assisted Acquisition Services Division, Southeast Sunbelt Region.

1.2 Background. AFNORTH is the Air component supporting NORAD-USNORTHCOM and the lead agency for Operation Noble Eagle in the Continental United States. AFNORTH is responsible for the continuing mission of protecting the United States from terrorist air attack from inside or outside the contiguous United States as well as air and maritime warning throughout the USNORTHCOM AOR. First Air Force accomplishes these tasks by providing surveillance and command and control for air defense forces 24 hours a day, 365 days a year.

In support of DoD's Defense Support of Civil Authorities mission, AFNORTH works jointly with other Federal Agencies and Civil Authorities in response to non-military events. AFNORTH assists civilian agencies before and during emergencies, natural or man-made disasters or other DoD-approved mission activities, in order to save lives, relieve suffering, prevent property damage and provide humanitarian assistance where and when it is needed most in the U.S.

NSWC PCD and NAWCTSD provide support to a variety of Homeland Security authorities with advanced IT-based security systems.

SMC/ECPL provides vital launch services for our nation's sentinels in space supporting NORAD/NORTHCOM and a variety of participants entrusted with surveillance.

1.5 Period of Performance. The duration of this task order is a Base Year period of performance with four 1-year options. There will be one (1) month Transition Period and a one year Base Year ending on 31 August 2022. The option periods, if exercised by the Government, shall begin at option award and end one year thereafter for a maximum basic period of performance of five years. There will be a six (6) month established if required.

1 Month Transition:	1 Sep 2021 to 31 Aug 2021
Base Period:	1 Sep 2021 to 30 Aug 2022
Option Year One:	1 Sep 2022 to 30 Aug 2023
Option Year Two:	1 Sep 2023 to 30 Aug 2024
Option Year Three:	1 Sep 2024 to 30 Aug 2025
Option Year Four:	1 Sep 2025 to 30 Aug 2026

Six Month Extension: 1 Sep 2026 to 28 Feb 2027 (if required)

1.6 Transition. There will be a one (1) month Transition Period during base year first month to the start of the base period of performance (POP). The contractor shall ensure the effective, efficient transfer of responsibility as well as technical data, tools, test equipment, and repair and spare parts to the Government or another contractor at the end of this task order. The contractor shall provide support throughout the phase-in and phase-out periods to minimize interruptions or delays to work that could impact the mission.

1.6.1 Phase-In. The contractor shall develop a "Transition-In Plan" to facilitate the accomplishment of a seamless transition from the incumbent contractor who is operating under a previously awarded contract/PWS to the incoming contractor who will become fully responsible effective for the scope of work called for in this contract at the beginning of the POP.

The incoming contractor shall be responsible, for accomplishing necessary administrative and logistical tasks necessary for the contractor to be fully functional in accordance with this contract effective the start of the paid performance. Tasks that the incoming contractor will need to accomplish during the "Transition In" time period include, but are not limited to the following:

1) Conduct transition meetings with the Client and the outgoing contractor,
2) Provide training to incoming personnel on the Homeland Defense and Homeland Security aspects of the NORAD/NORTHCOM (N-NC) mission,
3) Provide training on the unique Information Technologies support the N-NC mission,
4) Take actions necessary to employ all required personnel with appropriate security clearances in time to be fully functional per the contract,

5) Familiarization on support requirement s for the Homeland Defense Training, Integration and Innovation Network as well as other Mod & Sim systems
6) Prepare/credential/indoctrinate personnel through security and provide network access
7) Provide training on the various Office Secretary of Defense Joint Capabilities Technology Demonstration, Joint Test, Quick Reaction Test, and Rapid Acquisition program processes that we employ
8) Take actions necessary to employ all required personnel with appropriate security clearances in time to be fully functional per the contract,
9) Take necessary actions to obtain/produce CAC cards and other documentation necessary to meet contractual requirements,
10) Conduct a joint inventory of IT equipment, materials and tools, including software licenses, with the client and the outgoing contractor.

During this transition period the outgoing contractor will remain fully responsible for the work required by the contract that was awarded to that company. The incoming contractor shall Not Separately Price (NSP) the client/government for any requirements prior to 1 Sep 2021.

1.6.2 Phase-Out. The contractor shall provide a Transition-Out Plan NLT ninety (90) calendar days prior to expiration of this contract. The contractor shall identify how it will coordinate with the incoming contractor and or government personnel to transfer knowledge regarding the following: project management processes, points of contact, location of technical and project management documentation, status of ongoing technical initiatives, appropriate contractor to contractor coordination to ensure a seamless transition, transition of key personnel, identify schedules and milestones, identify actions required of the government, establish and maintain effective communication with the incoming contractor/government personnel for the period of the transition via weekly status meetings. The contractor shall develop a "Transition-Out Plan" to facilitate the accomplishment of a seamless transition from the incumbent to incoming contractor/government personnel at the expiration of this contract. The contractor shall ensure that all outstanding work requests, equipment, and Government-owned parts are turned in to the COR during the phase-out period of the task order due to termination or expiration. During the phase-out period, the contractor shall prepare and deliver a 100 percent accurate update of all inventory assets to the COR at least ten (10) business days before the end of this task order.

Tasks that the out-going contractor will need to accomplish during the "Transition Out" time period include, but are not limited to the following:

1) Finalizing deliverables
2) Preparing/conducting transition briefings
3) Completing Information Assurance scans/documentation
4) Conduct security out briefings/programmatic de-briefings

5) Conduct network out processing
6) Update briefings/documentation on the advanced IT systems and networks supporting the various mission entities

During this transition period the outgoing contractor will remain fully responsible for the work required by the contract that was awarded to that company. The outgoing contractor shall Not Separately Price (NSP) the client/government for any requirements of the Transition-Out Plan No Later Than (NLT) ninety (90) calendar days prior to expiration of this contract.

NOTE: If the incumbent contractor is awarded this new contract and there is no need for a transition between companies, the contractor will not need to have any significant transition time and will remain responsible at all times for performing the requirements found in the applicable contract for the performance periods stated in those contracts. The contractor will still be responsible for the development of a Transition-Out Plan NLT ninety (90) calendar days prior to expiration of this contract.

2.0 Scope. The contractor shall provide support for IT projects for AFNORTH, located at Tyndall Air Force Base, FL and assigned to Headquarters Air Combat Command. The contractor will support AFNORTH in the identification of capability shortfalls and the investigation of advanced IT solutions for the warfighter. The contractor shall support ACC in the identification of new concepts and IT solutions to support Homeland Defense and other OCONUS applications. The contractor shall support the SMC/ECPL division providing the operations, maintenance, sustainment, and modernization activities of the nation's primary space launch services. The contractor shall support NSWC PCD and NAWCTSD that play a vital role in developing C4ISR IT solutions for Maritime fixed and remote systems associated with meeting the Special Operations needs of warfighters, intelligence organizations, and other government agencies. This support shall include: IT analytical and technological analysis support; and assistance for research and development, integration, installation, testing, and IA certification of IT and computer-based systems. This PWS identifies IT and associated technical support requirements for: Maritime and Littoral ISR Systems including of Navy Expeditionary Combat Command Enterprise Tactical Command and Control (NETC2), Deployable Joint Command and Control (DJC2), and the Enterprise Network Guard (ENG). This work includes systems engineering support for development, prototyping, sustainment, test and evaluation, and technology transition of C4ISR systems, sensors and networks associated with meeting the mission requirements stated herein. At this time, there are no major planned Research, Development, Testing and Evaluation (RDT&E) IT Initiatives.

3.0Performance Requirements. The contractor shall support technical projects, perform IT studies, implement IT solutions, and sustain IT capabilities for Mission Deployed Systems and Special Programs as set forth in the following paragraphs.

3.1 IT Solution Studies and Technology Insertion. The contractor shall perform studies to define IT solutions. Emphasis shall be placed upon system technology insertion initiatives including transfer of existing and emerging IT capabilities from current IT

programs and systems to meet program requirements. The contractor shall provide technical support for development of acquisition documentation associated with technology transfer efforts as directed by the Government. To that end, the contractor shall provide: assessments of advanced programs, emerging technology, and innovative technology applications in support of technology transition; identify, exploit and manipulate current and emerging technologies; implement advanced communication systems to improve flow of voice and data communication and advanced security encryption firewalls; implement advanced information systems to aid the quick collection and dissemination of critical information; provide expert level analysis and assessment of ISR, C2, and C4ISR systems and other emerging technical efforts; deploy to support operations at tests, exercises, demos, or other real world events; and participate in planning and transition meetings. These tests, exercises, demos, or other real world events; and participate in planning and transition meetings can be held CONUS and OCONUS.

3.2 **Provide Integration Technical Support.** The Contractor shall provide engineering support and subject matter expertise for implementing and sustaining Maritime ISR, CD and C4ISR systems. The Contractor shall assist with the design, development, purchase, installation, configuration, and maintenance of equipment; communication, and IT shelters, including laptops, servers, switches, sensors, and peripherals in support of integration and exercise efforts and assessment. This task includes purchasing, installing, and operating software, mechanical, electrical, and electro-mechanical systems. The Contractor shall install, configure, test, and troubleshoot hardware and instrumentation down to the card level. As part of this task, the Contractor shall also support on-site installation teams by conducting site visits and participating in on-site installation, checkout, and verification and validation tests. The Contractor shall purchase parts, software, and equipment, as required, to support systems integration. Hardware shall only be purchased under this Task Order if it is connected and/or integral to the services being performed. Contractor shall possess Defense Contract Audit Agency (DCAA) approved procurement system.

3.3 **Hardware Engineering.** The Contractor shall develop and/or acquire specialized hardware required to meet customer driven mission-critical requirements. Hardware requirements may include sensor platforms, acoustic/non acoustic/RF sensors, imagers, cameras interfaces, test set-up benches, special safety equipment, control systems, data collection equipment, instrumentation, transmitters, receivers, displays, firmware, and other test facility and infrastructure modifications. This shall include support for both Maritime ISR systems deployed on ships, unmanned systems, or buoys; and fixed C4ISR system. This requirement may include support or analysis of special purpose or one-of-a-kind hardware to support specific test requirements, prototype or pre-production hardware, modifications and upgrades to existing Government-Furnished Property (GFP) and test facilities, or modifications to existing Commercial Off-the-Shelf (COTS) hardware to meet specific purposes.

3.4 **Software Solution Engineering.** The Contractor shall develop software products in conformance with the requirements of tasks. Any upgrades or enhancements developed

by this program shall be applied to existing Government licensed systems. Software based sensor signal processing enhancements, algorithm development, sensor fusion, database management, advanced encryption algorithms, Information assurance software, and data processing and storage improvements will be integrated into operational as well as prototype systems. Modeling and simulation software will be designed and provided to operational forces to enable optimum target detection, classification, identification and operational alerts to the operational commander for Land, Air and Sea, Special Operations, IC, Naval, and Homeland Security missions.

3.5 Systems Engineering and Technical Support. The contractor shall provide systems engineering, design, and technical support as assigned for the design, development, modeling, analysis, and software/firmware support in support of IT solutions for Mission Deployed Systems and Special Programs. This includes project planning, design, analysis, troubleshooting, installation, retrofit, maintenance, user console hardware and software interoperability, test and evaluation, and independent verification and validation for products developed by other manufacturers or contractors. These tasks include efforts for systems and equipment such as Maritime ISR systems; unmanned systems and sensors; shipboard systems; computer systems; software data encryption; communication system (RF, Wireless, and Acoustic); and safety, testing and evaluation.

The Contractor shall purchase parts, software, and equipment, as required, to support systems integration. Hardware shall only be purchased under this Task Order if it is connected and/or integral to the services being performed. There will be no production or limited production buys of hardware under this Task Order. See Section 8.9 for Other Direct Cost purchasing procedures.

3.6 Computer Hardware and Software Integration. The contractor shall procure, design, and develop one of a kind hardware solutions and highly specified software solutions capable of operating in harsh environments. Integrated software solutions for Maritime ISR AC5ISR type systems will maximize re-tasking, reutilization, and reengineering of supported agencies software systems. These systems will be capable of processing in near real time, sensor and target data, associated classified information, and store/transfer this information to government agencies and/or Fleet Commanders.

3.7 Model Development and Prototyping. The contractor shall provide technical support in the design, fabrication, and testing of systems, subsystems and hardware incidental to the IT solution. These solutions will operate in a hostile Maritime environment. The contractor shall support the entire engineering development phase including requirements definition, computer modeling, IT inclusion for prototype development, design, fabrication of prototypes or test models, procurement of components and subsystems, testing, and installation. These models/prototypes may be developed from engineering documentation generated by the contractor or Government. Hardware/material items to be developed and/or procured include, but are not limited to equipment racks, operator workstations, RF wireless, LOS or satellite communications, cellular network electronics, IT subsystems and equipment, servers, sensors and payloads, C4I equipment and radios, PC boards, cables and interconnecting cable assemblies, displays, etc. In addition, the

contractor shall support implementation of engineering change proposals. The Contractor shall ensure all specifications are sufficiently detailed to permit design, eventual production, and evaluation of the end item. The Contractor shall keep all specifications current for the duration of the task order. A suitable data and Configuration Management (CM) system shall be in place at the Contractor's facility. Engineering drawings and support documentation shall be prepared using MIL-STD-31000 as guidance. Markings shall be in accordance with MILSTD-130N, as applicable.

3.8 Program Support

3.8.1 Program Planning and Monitoring Support. The contractor shall provide IT solution program support to include project planning, cost estimating, budgeting, expenditure control, personnel labor planning, contract planning, program tracking, status reporting, and analyzing prospective support requirements for Mission Deployed Systems and Special Programs related systems and equipment.

3.8.2. Program Documentation Support. The contractor shall technically support the development, analysis and review, update, and maintenance of program documentation. This documentation may include items such as the Acquisition Strategy, Concept Design Documents, Software Design Documents, System Design Documents, Design Review documentation, Computer Information Assurance (IA) plans, Acquisition Program Baseline Documentation, Material Fielding Plans, Life Cycle Cost Estimates and related funding documents, Quality plans, Risk Management, Computer Resources Life Cycle Management Plans, Level of Repair Analysis, Obsolescence and Diminishing Resources Plans, and System Safety Plans.

3.8.3 Presentation Material, Agendas, and Meeting Minutes. The contractor shall participate in program level meetings such as planning sessions, team meetings, issues meetings, and sponsor meetings to stay abreast of program plans and status. The contractor shall provide support to various meetings by developing presentation materials, agendas, and meeting minutes. As necessary, the contractor shall coordinate and host meetings at the contractor's facility for up to 40 participants per meeting for meetings up to the Secret Level. Contractor's facilities shall provide video teleconferencing (VTC) capabilities.

3.8.4 Status Meetings. The contractor shall conduct a program kick-off meeting and Technical Interchange Meetings (TIMs), upon Government request, to provide information and status. The contractor shall maintain an e-mail system and a video conferencing capability compatible with the Government systems. Extensive use of electronic mail and teleconferences is planned to minimize travel required to support necessary technical interchanges and other program discussions.

3.9 Test Support

3.9.1 Test Plan Support. The contractor shall define and develop test plans and procedures to demonstrate the effectiveness of the IT solutions. The contractor shall review

requirements, specifications and other documents related to the project to evaluate the technical adequacy of the documentation, identify alternatives, and the contractor shall participate in test and evaluation working group meetings and technically support the activities of the working groups. The contractor shall participate in Test Readiness Review (TRR) and Test Safety Review Committee (TSRC) meetings and provide IT subject matter expert knowledge and solutions in IA, software engineering, and code development for the Mission and Deployed Systems IT solution plans and procedures. Upon completion of these site tests, the Contractor shall conduct a test to verify IT solution functionality and connectivity between systems, subsystems and sites as required.

3.9.2. Test Execution Support. The contractor shall provide the computer hardware, software, test equipment, instrumentation, supplies, and personnel necessary to perform integration and functional testing of IT-Based ISR Systems at AFNORTH, NSWC PCD, and NAWCTSD or field locations as directed. The contractor shall perform on-site installation and integration of Mission Deployed Systems and Special Programs IT solutions at various locations CONUS and OCONUS locations as directed by the Government. During on-site integration activities, the contractor shall demonstrate supplied software is integrated and operating properly. This phase shall verify the correct electrical and mechanical functioning of available internal and external interfaces. The contractor shall provide administrative and technical support for the evaluation of these systems during experimentation and testing to provide assessment of capabilities, suitability and sustainability. Test support may include labor, facilities, specialized test equipment, supplies and incidental materials as required by the applicable test plans.

3.9.3 Test Report Support. The contractor shall analyze test data and prepare a summary report of test results with focus of analyzing the degree to which test objectives are met. In the Appendix A Technical Requirements for each CLIN will describe the parameters of the Test Reports as required.

3.10 Logistics Support. The contractor shall provide logistics support for Mission Deployed Systems and Special Programs as assigned. The contractor shall develop, review, update, and maintain Integrated Logistics Support (ILS) documentation for special operations IT-Based ISR, C4I, Maritime, and Land-Based Systems and related systems and equipment. Tasking may include efforts such as assessing the impact of Engineering Change Proposals (ECPs) on logistic support, configuration documentation, status reporting, spares procurement and tracking, participating in meetings, system help desk support, and providing input to or preparing program and logistics schedules.

3.10.1 Engineering and Technical Documentation - The contractor shall provide support to the Government by providing input to the development, review, update and maintenance processes for engineering and technical documentation and associated lists in support of Code A40 Maritime ISR and C4I Systems. This documentation may include items such as engineering drawings and parts lists, specifications, technical reports, design documentation, technical data packages, failure reports, engineering change

documentation, test plans, test reports, certification packages, and temporary alteration packages for special operations and related programs.

3.10.2 Reliability, Maintainability, and Availability Support - The contractor shall analyze the system software, hardware components and equipment to determine operational reliability, maintainability and availability in accordance with MIL-HDBK-217F or equivalent documents. This effort shall include providing technical input to the development of reliability and maintainability predictions, and reliability block diagrams.

3.10.3 Supply Support Provisioning Technical Documentation (PTD) - The contractor shall develop, review, update, and maintain Supply Support Plans and PTD to include items such as Provisioning Parts Lists, Common and Bulk Items Lists, Allowance Parts Lists, and Allowance Equipment Lists.

3.10.4 Technical Manuals - The contractor shall develop, review, update, and maintain technical manuals, Seaview software, and special system instructions for systems that will be fielded. Technical manuals shall be developed or updated in accordance with MIL-STD-38784(1) when required or in a COTS format as applicable.

3.10.5 Planned Maintenance System (PMS) Documentation. - The contractor shall conduct Reliability Centered Maintenance (RCM) analyses in accordance with MIL-P-24534A or equivalent documents to produce a Maintenance Index Page (MIP) and Maintenance Requirements Cards (MRC).

3.10.6 Packaging, Handling, Storage, and Transportation. The contractor shall be responsible for shipping the hardware, software, and support equipment to the Government directed locations both CONUS and OCONUS.

3.10.7 Configuration Management Support - The contractor shall provide software and IT solution software and hardware configuration management support. Support shall encompass the initial population, and subsequent analysis, maintenance and update of life cycle system management information contained in the appropriate databases. The contractor shall analyze engineering change proposals, failure reports, inventory data, technical and programmatic data, and related program information. The contractor also shall support inventory and supply actions necessary to maintain Fleet availability, and develop, review, update, and maintain Configuration Management Plans and Class Maintenance Plans.

3.10.8 Training. The contractor shall provide IT solution training support including analyzing training requirements and assessing the impact of engineering changes on training of Mission Deployed Systems and Special Programs including but not limited to SEAVIEW and SOF Maritime ISR Systems. Training analysis shall be conducted in accordance with MIL-HDBK-29612/2A.

3.10.9 Formal Curriculum - The contractor shall develop, review, and update formal training materials for operation and maintenance courses. The contractor shall develop the

curriculum to include the training project plan, course training task list, training course control document, lesson plan, trainee guide, test packages, instructional media materials, and fault insertion guide developed in accordance with GFI and MIL-HDBK-29612-2/2A. The contractor shall recommend changes and coordinate updates with NSWC PCD engineers and the appropriate training or operational activity, and shall input approved markups into the appropriate database. The contractor shall participate in course monitoring.

3.10.10 Training Tools - The contractor shall develop tools that are used to support Mission Deployed Systems and Special Programs and related systems equipment training, such as C4ISR, sensor systems, displays, computer based tools, simulators and operational familiarizers.

3.11 IT System Support.

3.11.1 Operational IT Systems Support - The contractor shall provide operational IT solution systems support and software/hardware installation. This support shall, but not limited to; include ensuring asset availability through the assembly and delivery of installation and checkout kits, pack-up kits, logistics support kits, spares, replacement equipment, or related hardware and material items needed to maintain Operational Readiness for the Fleet to support fixed site installations. This support may be performed at the contractors' facility, NSWC-PCD, and NAWCTSD or other locations including at field duty stations and aboard Naval ships or SOF mobility craft.

3.11.2 Engineering and Technical Documentation Updates - The contractor shall provide support to the Government by providing input to the development, review, update and maintenance of engineering and technical documentation and associated lists for fielded IT solutions including software and hardware. This documentation may include items such as computer, software, and firmware documentation, engineering drawings and parts lists, specifications, technical reports, design documentation, technical data packages, failure reports, engineering change documentation, test plans, test reports, certification packages, and temporary alteration packages Naval shipboard installations for special operations and related programs.

3.11.3 Telecommunications Support and Maintenance. The contractor shall provide licenses as required and on-going support and annual maintenance for each license as directed by the Government.

4.0 Performance Matrix.

Task	Metric Type	Performance Standard	Performance Indicator	Acceptable Quality Levels	Surveillance Method
3.1 Provide Technology Solutions &	Quality, Efficiency	Technical Reports, presentations,	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the	Random Checks; Observation;

Technology Insertion Support		and project documents are thorough, accurate and timely		time	Complaints; GTL reviews; with documentation on a quarterly basis
3.2 Provide Integration Technical Support	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
3.3 Provide Hardware Engineering Technical Support	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
3.4 Provide Software Solutions Engineering Support	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
3.5 Provide Systems Engineering and Technical Support	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
3.6 Provide Computer Hardware & Software	Quality, Efficiency	Technical Reports, presentations, and project	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints;

Integration		documents are thorough, accurate and timely			GTL reviews; with documentation on a quarterly basis
3.7 Model Development and Prototyping	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews documentation on a monthly and quarterly basis
3.8 Program Support	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews documentation on a monthly and quarterly basis
3.9 Test Support	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
3.10 Logistics Support	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
3.11 IT System Sustainment	Quality, Efficiency	Technical Reports, presentations, and project documents	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews;

		are thorough, accurate and timely			with documentation on a quarterly basis
CLIN 001, 1001,2001, 3001, 4001, and 5001 ACC/A3C Combat Cloud	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
CLIN 002, 1002, 2002, 3002, 4002, and 5002 AFNORTH /A2	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
CLIN 003, 1003, 2003, 3003, 4003, and 5003 DJC2 Program Support	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
CLIN 004, 1004, 2004, 3004, 4004, and 5004 NETC2 Program Support	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis

CLIN 005, 1005, 2005, 3005, and 4005 AFNORTH /A5	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
CLIN 006, 1006, 2006, 3006, and 4006 AFNORTH/A6	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
CLIN 007, 1007, 2007, 3007, and 4007 ENG Program Support	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
CLIN 008, 1008, 2008, 3008, and 4008 AFNORTH/A5	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
CLIN 009, 1009, 2009, 3009, and 4009 AFNORTH A9	Quality, Efficiency	Technical Reports, presentations, and project documents are thorough, accurate and timely	Completeness, accuracy, timeliness	Meet PWS requirements 95% of the time	Random Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
CLIN 0010,	Quality,	Technical	Completeness,	Meet PWS	Random

1010,2010,3010 and 4010 Space and Missile Systems Center	Efficiency	Reports, presentations, and project documents are thorough, accurate and timely	accuracy, timeliness	requirements 95% of the time	Checks; Observation; Complaints; GTL reviews; with documentation on a quarterly basis
CLIN(s) 011 – 014 Reserved					

5.0 Task Order Deliverables. All deliverables shall be delivered to the Contracting Officer's Representative (COR), or the Alternate Contracting Officer's Representative (ACOR) no later than the dates specified in the Performance Matrix or other Government-approved schedule. All deliverables become property of the Government.

5.1 Initial Business Meeting. Within ten (10) work days following the task award date, the contractor shall meet with the Client Representative to review goals and objectives of this task order and to discuss technical requirements.

6.0 Records/Data. All data and data rights associated individual task orders under this task order become the property of the U. S. Government in accordance with DFARS 252.227-7013, Rights in Technical Data – Noncommercial Items, (Sep 2011) and DFARS 252.227-7015 Technical Data--Commercial Items. (Feb 2014).

7.0 Inspection and Acceptance. Inspection and acceptance will occur in accordance with ***FAR 52.246-6, Inspection of Services – Time and Material and Labor Hour (May 2001)*** *and FAR 52.246-4 Inspection of Services—Fixed-Price (Aug 1996).* In the absence of other agreements negotiated with respect to time provided for Government review, deliverables will be inspected and the contractor notified of the COR or ACOR findings within five (5) work days of normally scheduled review. If the deliverables are not acceptable, the COR or ACOR will notify the contractor immediately. Acceptance of invoices shall constitute acceptance of performance.

7.1 Quality Control. The contractor shall provide and maintain a Quality Control Plan (QCP) that contains, as a minimum, the items listed below to the GSA Contracting Officer for acceptance not later than ten (10) calendar days after award. The GSA Contracting Officer will notify the contractor of acceptance or required modifications to the plan. The contractor shall make appropriate modifications and obtain acceptance of the plan within thirty (30) calendar day from the date of award. The QCP shall include the following minimum requirements:

a. A description of the inspection system to cover all major services and deliverables. The description shall include specifics as to the areas to be inspected on both a scheduled and unscheduled basis, frequency of inspections, and the title of inspectors.

b. A description of the methods to be used for identifying and preventing defects in the quality of service performed.

c. A description of the records to be kept to document inspections and corrective or preventative actions taken.

d. All records of inspections performed shall be retained and made available to the Government upon request throughout the task order performance period, and for the period after task order completion, until final settlement of any claims under this task order.

7.2 Quality Assurance. The Government will evaluate the contractor's performance of this task order. For those tasks listed in the Performance Matrix, the Client Representative or other designated evaluator will follow the method of surveillance specified in this task order. Government personnel will record all surveillance observations. When an observation indicates defective performance, the client Program Manager or other designated evaluator will require the contractor manager or representative at the site to initial the observation. The initialing of the observation does not necessarily constitute concurrence with the observation. It acknowledges that the contractor has been made aware of the non-compliance. Government surveillance of tasks not listed in the Performance Matrix or by methods other than those listed in the Performance Matrix (such as provided in the Inspection clause) may occur during the performance period of this task order. Such surveillance will be done according to standard inspection procedures or other task order provisions. Any action taken by the GSA Contracting Officer as a result of surveillance will be according to the terms of the task order.

8.0 Task Order Terms and Conditions. In accordance with the PWS Section 3.0, the contractor shall perform deliverables in the form of technical projects, IT studies, implement IT solutions, and sustain IT capabilities for AFNORTH, ACC, NSWC PCD, NAWCTSD, and SMC/ECPL as set forth in PWS Sections 3.0.

8.0.1 Contract Line Items. The purpose of Contract Line Items (CLIN) is to logically separate technically complex work requirements, to allow separate funding based on the financial requirements, and to allow optional Time and Material (T&M) contract type, based on the acquisition requirements of the given CLIN.

A CLIN can be for a service or product (severable or non-severable) with a period of performance or delivery date. In the case of non-severable CLINS they have to be fully funded. CLINs can also be set up as a T&M type that will provide services with set awarded Labor Rates and Hours, Travel, Subcontract or Other Direct Cost (ODC) Items. CLINs will only have a Contract Type of T&M. CLINs will not be Cost Reimbursement or any other contract type.

The Contracting Officer's Representative (COR) or Alternate Contracting Officer's Representative (ACOR) can request up to five (5) additional new CLINs or modify existing CLINs. These additions or changes will be conducted by a task order bilateral

modification. A new CLIN can be added to the Task Order, as part of the five (5) Optional Project / Program Support CLINs (PWS 3.13 to 3.17). The COR or ACOR will then submit documentation to identify the CLIN Title and technical requirement, Client Contract Information, Estimated Labor, Travel and ODC amounts, Period of Performance, with a Technical Description of Effort, and Other project information as required. The CLIN must be within scope of the task order and all other applicable requirements. CLIN can be incrementally funded as per Section 11.3.

The contractor shall prepare CLIN requests to perform services that are within the scope of the task order and necessary and integral.

(a) A CLIN requirement may be identified by the contractor or the Government, but must be approved by the COR before preparation of the work request may begin.
(b) The contractor shall initiate a CLIN by submitting a memo in GSA's AAS Business Systems (AASBS) portal, https://portal.fas.gsa.gov that includes COR approval. Contractor format is acceptable, but must include the following:

- CLIN identification number and Item Number.
- Applicable task order performance work statement paragraph.
- Applicable task order period of performance.
- Deliverable and critical milestones, as applicable.
- Requesting Government activity.
- Detailed description of the service(s) to be performed including any travel and materials required.
- Estimated completion date (based on an estimated start date)
- Cost estimate that includes a CLIN technical plan and estimated contractor cost, with a breakout of Alliant labor categories, hours, travel, IT Support requirements as applicable.
- Each CLIN quote or cost estimate shall also include:
- Government Furnished Equipment (GFE), if applicable.
- Government Furnished Information (GFI), if applicable.
- Alliant Contract Access Fee (CAF) applied as to Total Estimated Contractor Cost**.**
- All CLIN project or studies that required Security Classification, the technical description and requirement will be provided by the COR or ACOR in a proper a secured location, but not in the GSA PWS or contract file. All CLIN cost and technical description will be listed as <u>UNCLASSIFIED</u> in GSA Contractor Information System such as AASBS.

(c) After the COR approves the CLIN, the CO will review it. If the CO approves the work request, the CO will initiate a task order modification to add a sub-line item after funding has been received and accepted.

(d) The contractor shall maintain a history of all CLINs (identified, submitted, approved, disapproved, and awarded) as well as copies of all applicable documentation.

8.0.2 Initial Award CLIN quotes: During the initial Solicitation with the Request for Proposal (RFP) process, the offeror shall submit a Technical Plan for each CLIN as described in PWS Section 3.0 and in accordance with Appendix A. The offeror shall submit a master Price-Cost spreadsheet. This will allow the offeror to estimated cost quotes for T&M CLINs.

8.0.3 CLIN Modifications: After the award has been made the contractor shall process task modification in the same manner. GSA will issue a modification RFQ PWS in Section 3.0 and in accordance with Appendix A as required. Then based on changes to the PWS, the contractor shall provide the modified contractor's CLIN technical plan and cost estimate T&M CLINs.

Upon review and funding the GSA Contracting Office will issue a Bilateral Task Modification with CLIN cost ceiling and funding ceiling in section 14 of the GSA –Form 30 awarded through ASSIST. No contractor performance on the CLIN shall be made without government contract authorization and funding of the CLIN.

8.0.4 CLIN Tasks Items, Funding and Administration: To facilitate the proper separation of funding for each CLIN, GSA will use a GSA ASSIST system function called "Task Items". These Task Items will facilitate the separation of CLIN funding within a period of performance. Each Task Item has its own funding attributes and obligation requirements. Task Items may be combine all elements with a given CLIN, or a Task Items will be set up for each CLIN and Sub-CLIN for separate as funding may require. If a given CLIN requirement causes a change of contract type, a new CLIN would be created with its new CLIN Task Item, because it would constitute a change in funding attributes and obligation requirements.

Task Item Numbering Example:

CLIN 0002 AFNORTH /A2
Base Year – Task Item is coded as: 0002
Option Year 1 – Task Item is coded as: 1002
Option Year 2 – Task Item is coded as: 2002
Option Year 3 – Task Item is coded as: 3002

Option Year 4 – Task Item is coded as: 4002
6 Mon. Ext. – Task Item is coded as: 5002

8.1 Place of Performance. The Project Work will be primarily performed on-site within Government facilities at AFNORTH, Air Combat Command, NSWC PCD, Tyndall Air

Force Base, FL, and NAWCTSD, Orlando, FL. SMC/ECPL location is Peterson Air Force Base, CO. Project Work may also be performed at other approved locations, as established by Contract Line Item Request, (as per PWS Section 8.01). However, in the case of internal contracting administrative, management and financial functions, the Government is not providing Contractor Office Space. The Contractor shall perform portions of the work at contractor facilities. The government will not pay for local travel, and will expect contractor to be at the government facilities during normal hours of operation. In the case of approved CLINs for offsite technical projects the Contractor will have to travel to temporary duty locations to support various planning, liaison, and task execution activities including site and ship surveys, shipboard and ground site or maritime installations, repairs, maintenance and system upgrades The contractor may be required to travel to services various locations CONUS and OCONUS locations as directed by the Government. (For specific details, see Section 8.8, Contractor Furnished Items and Facilities and Section 8.10.1, Travel).

8.1.1 Mission Essential Services Determination: Performance of Services during crisis declared by the President of the United States, the Secretary of Defense, or Overseas Combatant Commander. The performances of these services described in the PWS are considered to be Non-Mission essential during time of crisis. Should a crisis be declared, the Contracting Officer or his/her representative will verbally advise the Contractor of the revised requirements, followed by written direction.

8.1.2 Continuation of Operations Plan: Tyndall AFB, Langley AFB, NSWC PCD, and NAWCTSD are subject to mandatory evacuations in the event of minor and major hurricanes. The first priority is the safety of all government and contractor personnel. If the Commanding Officer of the Base declares an Emergency that will close the base, all contractor personnel shall depart the base and take personal safety measures. If requested by the COR and approved by the Contracting Officer, Contractor personnel may Telework on their assigned task. Any Contractor personnel working CONUS or OCONUS, whose work is not affected by the base closure may still work on task or return to their duty Place of Performance in accordance to PWS Section 8.10.1 Travel. Since this task type is Time and Material, only hours actually worked on behalf of the government will be accounted for reimbursement. Any CLIN affected by an emergency base closure that had a quoted delivery date will be reevaluated on a case by case basis, since some CLINs will be developed off base or in a CONUS or OCONUS location.

8.2 Hours of Operation. The normal hours of operation shall be Monday through Friday from 7:30 AM to 4:30 PM local time (excluding Federal holidays and base closures), except when working at a contractor facility or a deployed location.

8.2.1 Overtime. Overtime is anticipated on this task order during tests, field demonstrations, and other installation activities. Any use of overtime must be pre-approved in writing by the COR or ACOR.

8.2.2 Extended Hours. Extended hours may be authorized on this task order. Extended hours are defined as any hours in excess of eighty (80) hours in a two (2) week billing period. Any use of extended hours must be pre-approved in writing by the COR or ACOR.

8.3 Task Management. The client shall identify a Client Representative. Management of this task will be performed by GSA through the Client Representative. The Client Representative will provide technical assistance and clarification required for the performance of this task, participate in project meetings, and receive task order deliverables. Deliverables must be submitted through or documented within GSA's GSA ASSIST web-based order processing system for client acceptance.

8.3.1 Contracting Officer's Representative (COR) and Assistant Contacting Officer Representative (ACOR) Designation. Pursuant to DFARS 252.201-7000, before task order award, the GSA Contracting Officer will appoint a COR and ACOR and issue a COR appointment letter stating the authority for the COR. The contractor will receive a copy of the written designation.

Contracting Officer Representative (COR)
Name: (b) (6) [redacted]
Address: 1210 Beacon Beach Rd
City, State, Zip: Tyndall AFB, FL 32403-5549
Phone: (b) (6) [redacted]
Email: (b) (6) [redacted]

Assistant Contracting Officer Representative (ACOR)
TBD

8.4 Key Personnel. The contractor shall designate a program manager as the primary point of contact between the Government and the Contractor. Prior to award, the contractor is not required to identify key personnel by name. If awarded this order, the contractor shall identify key personnel by name and ensure that any substitution of key personnel provides an equally or higher qualified individual. Any substitution of personnel must be of equally qualified individuals as those identified in the contractor's quote. Key personnel may not be added nor removed from the task without written notice to the GSA Contracting Officer. The written notice must be submitted at least 15 days prior to personnel actions.

8.4.1 Expertise. The contractor is responsible for providing personnel who are fully qualified to perform the requirements identified in this performance work statement. In the Solicitation-Offeror's Pricing Template, a list of the Government estimated annual workload is presented as a projection of Alliant Direct Labor Categories that are anticipated for this task order. As per the Alliant Basic Contract, Section J in Attachment 4: Labor Category Descriptions, the knowledge and skill level expertise will be applied to this task order. In addition, the contractor is also responsible for providing personnel who possess**:**

- Knowledge of Homeland Defense Operations and C4ISR systems networks
- Knowledge of military tactical data links, encryption equipment, and radio communication devices
- Knowledge of advanced surveillance and security systems for fixed and mobile facilities including DOD information assurance requirements.
- Knowledge of and experience in Local Area Network (LAN) design, operation, maintenance, troubleshooting, and sustainment.
- Knowledge of modeling and simulation.

8.5 Disclosure of Information. Information made available to the contractor by the Government for the performance or administration of this effort shall be used only for those purposes and shall not be used in any other way without the written agreement of the GSA Contracting Officer. The contractor agrees to assume responsibility for protecting the confidentiality of Government records, which are not public information. Each contractor or employee of the contractor to whom information may be made available or disclosed shall be notified in writing by the contractor that such information may be disclosed only for a purpose and to the extent authorized herein.

8.6 Limited Use of Data. Performance of this task order may require the contractor to access and use data and information proprietary to a Government agency or Government contractor which is of such a nature that its dissemination or use, other than in performance of this effort, would be adverse to the interests of the Government and/or others. Contractor and/or contractor personnel shall not divulge or release data or information developed or obtained in performance of this effort, until made public by the Government, except to authorize Government personnel or upon written approval of the GSA Contracting Officer. The contractor shall not use, disclose, or reproduce proprietary data that bears a restrictive legend, other than as required in the performance of this effort. Nothing herein shall preclude the use of any data independently acquired by the contractor without such limitations or prohibit an agreement at no cost to the Government between the contractor and the data owner which provides for greater rights to the contractor.

8.7 Government Furnished Information. The Government will provide the Contractor with documentation as required. Coordination of specific information will be made with individual AFNORTH, NSWC, NAWCTSD, and SMC/ECPL Project Managers at the time of order. All government furnished information (GFI) and government furnished Material (GFM) shall be returned at the completion of this task order. The Government will provide the following within 5 days after award of the order:

(a) DoD Directive 5000.1
(b) DoD Directive 5000.2
(c) USSOCOM Directives 700-10 and 70-1

8.8 Government Furnished Items and Facilities. Except for those items or services stated as Government furnished, the contractor must furnish everything needed to perform this

task order according to all its terms. As stated in Section 8.1 the task work shall be primarily performed on-site within Government facilities. The contractor shall also provide training that is necessary for contractor personnel at their own expense.

8.9 **Other Direct Cost (ODC)** As per Section 3.5 the Contractor is authorized to purchase IT support items such as hardware, software, firmware, related supplies/warranties/help desk requirements, technical refresh and other support as needed that are integral and necessary for the performance of this task order. IT Support items are ancillary in nature and integrally related to the contractor's ability to perform the service being acquired, i.e., they must be necessary for the completion of the task. That is, the acquisition of IT Support cannot be the primary purpose of a task order. An IT Support must satisfy the criteria expressed within the scope of the task order and must not duplicate costs covered in other areas of the task order. Such requirements will be identified at the time the task order is issued or may be identified during the course of an order, by the Government or the contractor.

a. ODC for IT purchases for hardware, software, firmware, related supplies/warranties/help desk requirements, technical refresh and other support as needed that are integral and necessary for the performance of this task order shall be reimbursed in accordance with the billing and payment clauses of this task order. The GSA Contracting Officer will establish a not-to-exceed IT Support ceiling and determine the fair and reasonableness of the proposed price/prices. Materials on T&M Orders must comply with FAR 52.232-7 Payments Under Time-and-Materials and Labor Hour Contracts (Feb 2007). Indirect Costs on T&M Orders must comply with FAR 52.232-7 Payments Under Time-and-Materials and Labor Hour Contracts (Feb 2007).

b. Prior to acquiring ODC for IT items, the contractor shall submit a request form (in contractor format) to the COR or ACOR for verification and technical acceptance. This form must identify the item(s) to be purchased, estimated cost(s), vendor, and reason for purchase.

In ODC for IT purchase requests that are over the Simplified Acquisition Procedures (SAP) threshold level (currently set at $250,000.00) and are <u>not</u> sole-source/brand name procurement, then the contractor must obtain multiple quotes to ensure best value to the Government.

In ODC for IT purchase requests that are over the SAP level and the requirement is a sole-source/brand name procurement, then the government must first approve the IT Support purchase in accordance with FAR 6.302-1. The COR or ACOR will provide the signed "Class Justification and Approval to Procure Using Other Than Full and Open Competition" documentation to GSA Contracting Officer for Contracting Officer Certification.

In ODC for IT purchase requests that are over the SAP level, the contractor shall also submit an "Actual ODC Documentation Summary" (in contractor format), showing

ODC procurement with multiple quotes and final price and/or the sole-source/brand name procurement final price into the GSA ASSIST portal for Invoice Acceptance Information form when submitting monthly invoices.

c. The Contractor will then submit to the GSA Contracting Officer the COR or ACOR technically approved ODC request form to GSA through an Post Award Collaboration Memo via ASSIST. The GSA Contracting Officer is responsible for the review and approval of the request. In some instances, a task order modification may be required to acquire the ODC Support. In that situation, the ODC may not be purchased prior to award of the modification.

d. The Government has established a total not-to-exceed ODC for IT Support budget of **$16,444,948.58** for the entire Task Order.

Period of Performance	ODC for IT Support
Base Year:	**$2,831,316.00**
Option Year 1	**$2,902,098.90**
Option Year 2	**$2,974,651.37**
Option Year 3	**$3,049,017.66**
Option Year 4	**$3,125,243.10**
6 Month Extension	**$1,562,621.55**

e. IT Hardware shall only be purchased under this Task Order if it is connected and/or integral to the services being performed. There will be no production or limited production buys of hardware under this Task Order. Contractor shall possess Defense Contract Audit Agency (DCAA) approved procurement system The Contractor shall provide notification to the Contracting Officer prior to award of any subcontract that exceeds the simplified acquisition threshold. The Contracting Officer will review the Contractor's notification and supporting data to ensure that the proposed subcontract is suitable and provide consent pursuant to FAR 52.244-2, Subcontract (June 2007).

8.10 Reimbursable Costs. The inclusion of reimbursable costs is a direct allocation of costs associated with support of this task order. All reimbursable costs must be in conformance with the task order requirements and authorized by the COR or ACOR and the GSA Contracting Officer.

8.10.1 Travel. The contractor may be required to travel to provide services at various locations CONUS and OCONUS locations as directed by the Government. All travel must be authorized by the COR or ACOR and be in compliance with the task order and all other applicable requirements. Travel cost will not be approved for local travel, (less than 50 miles) from the AFNORTH, NWSC, NAWCTSD, and SMC/ECPL. All travel must be performed in accordance with the Federal Joint Travel Regulation (JTR) to include per diem limits of reimbursements.

a. Travel will be cost reimbursable no fee and will be reimbursed at actual cost in accordance with the limitations set forth in **FAR 31.205-46**. Profit shall not be applied to travel costs. Contractor may apply indirect costs to travel in accordance with the contractor's usual accounting practices consistent with **FAR 31.2**. The contractor shall ensure that the requested travel costs will not exceed the amount authorized in this task order.

A contractor-generated travel authorization request form shall be submitted to the COR, or the ACOR for authorization signature. The approved travel request shall be posted in GSA ASSIST and a Post Award Collaboration Memo prior to the travel. The form shall identify the name(s) of travelers, dates of trip(s), location(s), estimated cost(s), purpose and an estimate of the remaining travel funds available. No travel shall be made without government authorization. The contractor shall also submit the Travel Expense Summary (as listed in Section 11.4) into GSA ASSIST Invoice Acceptance Information form when submitting monthly invoices.

c. The Government will establish the locations and the duration of travel as required.

d. The Government has established a total not-to-exceed travel budget of **$2,619,513.97** for the entire Task Order.

Period of Performance	**Travel**
Base Year:	**$451,000.00**
Option Year 1	**$462,275.00**
Option Year 2	**$473,831.88**
Option Year 3	**$485,677.67**
Option Year 4	**$497,819.61**
6 Month Extension	**$248,909.81**

e. Furthermore, the contractor must clearly identify any subcontractor or team member indirect costs.

8.11 **Privacy Act.** Work on this project may require that personnel have access to Privacy Information. Personnel shall adhere to the Privacy act, Title 5 of the U.S. Code, Section 552a and applicable agency rules and regulations.

8.12 **Security.** The following positions will require Top Secret, Sensitive Compartmented Information (SCI) level at AFNORTH or NSWC and other Government and Contractor Facilities as required.

CLIN	Alliant #	Labor Category
001	113	Senior Computer and Information Research Scientist
001	113	Senior Computer and Information Research Scientist
001	113	Senior Computer and Information Research Scientist
001	114	SME Senior Computer and Information Research Scientist
002	154	SME - Computer Network Support Specialist
008	113	Senior Computer and Information Research Scientist
008	114	SME Senior Computer and Information Research Scientist
008	343	Senior Technical Writer
008	113	Senior Computer and Information Research Scientist
008	113	Senior Computer and Information Research Scientist
009	182	Journeyman Computer Systems Analyst
009	292	Journeyman Management Analyst
009	293	Senior Management Analyst
009	373	Senior Training and Development Specialist
009	373	Senior Training and Development Specialist
009	373	Senior Training and Development Specialist
009	153	Senior Computer Network Support Specialist
009	172	Journeyman Computer Programmer
009	184	SME - Computer Systems Analyst
009	293	Senior Management Analyst
009	373	Senior Training and Development Specialist

Additional personnel may need to be cleared as required. The highest level of the work at the contractor's facility will be at the Genser Secret level. The requirements of the attached DD Form 254 apply. Contractor personnel requiring access to AFNORTH, NWSC, NAWCTSD, and SMC/ECPL and other military facilities are subject security and Visit Request requirements. All contractor personnel requiring user level access to DON or DoD networks and information systems, system security and network defense systems, or to system resources providing visual access and/or ability to input, delete or otherwise manipulate sensitive information without controls to identify and deny sensitive information are required to have a favorably adjudicated NACLC with clearance eligibility determined by DISCO.

The contractor will be required to have a TOP SECRET facility clearance with SECRET safeguarding capabilities not to exceed two (2) cubic feet. The contractor will require access to Communications Security (COMSEC) Information; Restricted Data; Formerly Restricted Data; Sensitive Compartmented Information (SCI); Non-SCI; NATO Information; Foreign Government Information; and For Official Use Only (FOUO) Information. The contractor will also require access to the SIPRNET systems.

In performing this tasking, the contractor will receive and generate classified material; have access to classified information outside the US, Puerto Rico, US possessions and

trust territories; be authorized to use the Defense Technical Information Center (DTIC) or other secondary distribution center; and have Operations Security (OPSEC) requirements.

Support to this PWS requires daily interaction in office, laboratory, developmental, and field work areas between government and contractor personnel. Interaction involves the discussion and development of information that is primarily classified and/or competition-sensitive for the majority of the PWS efforts. Working in the classified environment on a daily basis may present difficulties for offeror's due to availability of classified network drops, security and integrity of existing facilities, and qualification of personnel for handling, control, and safeguarding of National Security Information up to and including SECRET material, as well as required support to developmental efforts involving TOP SECRET/SENSITIVE COMPARTMENTALIZED INFORMATION. Daily interaction with government personnel, due to these factors, is not expected to be readily allocable to telepresence methods such as video teleconferencing, online web portals, or remote desktop connections.

The contractor will be provided access to SIPRNET and JWICS at the Government sites. The contractor shall not access classified systems from the contractor's site. Contractor personnel shall be required to obtain and maintain security badges and adhere to the security requirements at the Government installation they are supporting.

The contractor shall provide crypto/COMSEC/OPSEC administrative support including development and maintenance of a tracking system to ensure that prime and sub-contractor users of COMSEC materials in support of this PWS are trained on applicable procedures for receipt, handling, and safeguarding of COMSEC materials. The contractor shall maintain a current file of appropriate documentation including training of all contractor and sub-contractor COMSEC responsible personnel in support of this PWS. The contractor shall provide status reports describing problems, anomalies, and repairs. The contractor shall provide adequate physical protection of such information so as to preclude access by any person or entity not authorized such access by the Government OPSEC Program. The contractor shall have an OPSEC Program established and provide documentation showing their OPSEC Program is current and that all members supporting this PWS have been trained. The contractor shall also require Special Access (SAP) access to support this tasking.

8.13 Information Security Requirements

a. Controlled Unclassified Information (CUI):

Controlled unclassified information (CUI) is official information that requires the application of controls and protective measures for a variety of reasons and has not been approved for public release, to include technical information, proprietary data, information requiring protection under the Privacy Act of 1974, and Government developed privileged information involving the award of contracts.

CUI is a categorical designation that refers to unclassified information that does not meet the standards for National Security Classification under Executive Order 12958, as amended, but is (a) pertinent to the national interest of the United States or to the important interests of entities outside the Federal Government, and (b) under law or policy requires protection from unauthorized disclosure, special handling safeguards, or prescribed limits on exchange or dissemination.

b. Minimum Requirements for Access to Controlled Unclassified Information (CUI): Prior to access, contractor personnel requiring access to DON controlled unclassified information (CUI) or "user level access to DON or DoD networks and information systems, system security and network defense systems, or to system resources providing visual access and/or ability to input, delete or otherwise manipulate sensitive information without controls to identify and deny sensitive information" who do not have clearance eligibility are required to submit a Questionnaire for Public Trust Positions (Standard Form 85P) through the cognizant Facility Security Officer or contractor entity representative to AFNORTH or NSWC Security, for a suitability determination by DON Central Adjudication Facility.

c. Minimum Protection Requirements for Controlled Unclassified Information (CUI): Contract deliverables taking the form of unclassified limited-distribution documents (e.g., For Official Use Only (FOUO), Distribution Statement Controlled) are not authorized for public release and, therefore, shall not be posted on a publicly accessible web server or electronically transmitted via E-Mail unless appropriately encrypted.

8.14 Operations Security

a. Operations Security (OPSEC) is concerned with the protection of critical information: facts about intentions, capabilities, operations, or activities that are needed by adversaries or competitors to bring about failure or unacceptable consequences of mission accomplishment.

Critical information includes information regarding:

- Operations, missions, and exercises, test schedules or locations;
- Location/movement of sensitive information, equipment, or facilities;
- Force structure and readiness (e.g., recall rosters);
- Capabilities, vulnerabilities, limitations, security weaknesses;
- Intrusions/attacks of DoD networks or information systems;
- Network (and system) user IDs and passwords;
- Movements of key personnel or visitors (itineraries, agendas, etc.); and
- Security classification of equipment, systems, operations, etc.

b. The contractor, subcontractors and their personnel shall employ the following countermeasures to mitigate the susceptibility of critical information to exploitation, when applicable:

- Practice OPSEC and facilitate OPSEC awareness;
- Immediately retrieve documents from printers assessable by the public;
- Shred sensitive and Controlled Unclassified Information (CUI) documents when no longer needed;
- Protect information from personnel without a need-to-know;
- When promulgating information, limit details to that essential for legitimacy;
- During testing and evaluation, practice OPSEC methodologies of staging out of sight, desensitization, or speed of execution, whenever possible.

8.15 Clearances. The highest level of security clearance required for this effort is TOP SECRET/SCI. However, the majority of the effort is at the SECRET level. Clearance Levels will be determined at time of the CAR approval (as per PWS Section 8.0.1). TOP SECRET/SCI clearances will be minimal and authorized by the Client Representative (CR) on an as-needed basis only. However, the contractor shall maintain personnel who are TS/SCI eligible. The contractor does require a SECRET facility clearance and SECRET safeguarding capabilities (collateral only) by time of award. The contractor will have access to SCI, NON-SCI intelligence information, and For Official Use Only (FOUO) information. In performing these task order requirements, the contractor will receive and generate classified information, fabricate, modify, or store classified hardware, and have Operations Security (OPSEC) requirements. The contractor is responsible for providing employee clearance information to the Client Representative (CR) and/or local security officer for use in preparing a DD-254 form. Contractor key personnel performing on this task order shall have a SECRET clearance at the start of the task order.

This work effort involves the contractor having access to and/or safeguarding of classified information/material and shall require TS clearances with SCI eligibility for TO performance. Other work performed under this TO may require lower clearance levels appropriate for TO performance. Contractors having access to and/or safeguarding classified information/material shall require the appropriate security clearance. The security policies, procedures and requirements stipulated in the NISP; NISPOM and supplements thereto are applicable, to include the following security requirements and/or guidance whenever task order performance will occur on a DoD installation or within a DoD controlled facility or activity:

a. The contractor shall possess or acquire a facility clearance equal to the highest classification stated in the above paragraph in accordance with the NISPOM for TO performance.

b. Disclosure of Information: The contractor shall not release to anyone outside the contractor's organization any classified information, regardless of medium (e.g., film, tape, document, etc.), pertaining to any part of this TO or any program related to this TO, unless: (1) The CO has given prior written approval; or (2) The information is otherwise in the public domain before the date of release. Request for approval shall identify the specific information to be released, the medium to be used, and the purpose for the

release. The contractor shall submit its request to the CO at least forty-five (45) days before the proposed date for the release. The contractor agrees to include a similar requirement in each subcontract under this TO. Subcontractors shall submit request for authorization to release through the prime contractor to the CO.

c. The contractor's procedures for protecting against unauthorized disclosure of information shall not require DoD employees or members of the Armed Forces to relinquish control of their work product, whether classified or not, to the contractor.

d. Prior to beginning operations involving classified information at the Government facility, the offeror must possess, or acquire prior to award of a contract, a facility clearance equal to the highest classification stated on the Contract Security Classification Specification 9, draft DD Form 254, attached to this solicitation, the contractor shall enter into a security agreement (or understanding) with the local Government security office. This will ensure contractors follow local security procedures while performing at the Government facility. As a minimum, the agreement shall identify the security actions that will be performed: (a) By the Government facility for the contractor, such as providing storage and classified reproduction facilities, guard services, security forms, security reviews under DoD 5220.22-M, classified mail services, security badges, visitor control, and investigating security incidents; and (b) Jointly by the contractor and the installation, such as packaging and addressing classified transmittals, security checks, internal security controls, and implementing emergency procedures to protect classified information.

e. Pursuant to Section 808 of Publication. L. 102-190 (DFAS 204, Subpart 204.402(2)), DoD employees or members of the Armed Forces who are assigned to or visiting a contractor facility and are engaged in oversight of an acquisition program will retain control of their work product. Classified work products of DoD employees or members of the Armed Forces shall be handled in accordance with DoD 5220.22-M. Contractor procedures for protecting against unauthorized disclosure of information shall not require DoD employees or members of the Armed Forces to relinquish control of their work products, whether classified or not, to a contractor.

f. If a visit to a contractor facility will require access to classified information, the visitors must give the contractor advance written notice.

g. When TO performance will involve classified information, the CO shall ensure that the DD Form 254, Contract Security Classification Specification, includes the complete mailing address of the Information Security Program Manager (ISPM) and the responsible MAJCOM security forces. Promptly after TO award, the CO shall provide a copy of the DD Form 254 to each addressee on the DD Form 254.

h. Work on this project may require that personnel have access to Privacy and other sensitive information. Personnel shall adhere to the Privacy Act, Title 5 of the United States code, section 552a and applicable Client Agency rules and regulations.

i. Contractor personnel shall not divulge or release privacy data or information developed or obtained in the performance of this TO, until made public or specifically authorized by the Government. The contractor shall not use, disclose, or reproduce third party companies' proprietary data, other that as authorized and required in performance of this TO. Personnel working on this project will be required to sign a NDA (Section 10.4, Attachment d) immediately upon their start on the project. The contractor's procedures for protecting against unauthorized disclosure of information shall not require DoD employees or members of Armed Forces to relinquish control of their work product, whether classified or not, to the contractor.

8.16 Monthly Status Report. The contractor shall identify and report all program management actions and the financial management status in a Monthly Status Report (MSR), and as requested by the Government. Report shall be due ten (10) work days following the close of the calendar month. An invoice may not be used in lieu of any portion of this report. This report shall be electronically delivered to the COR and ACOR via GSA ASSIST and, at a minimum, contain the following information:

a. Task order number
b. Task order title
c. Reporting period
d. Brief description of requirements
e. Brief summary of accomplishments during the reporting period and significant events regarding the task order, including the associated contractor employee names
f. Any current or anticipated problems
g. Staffing changes
h. Brief Summary of activity planned for the next reporting period
i. Description of any travel or unique services provided
j. Deliverable summary (deliverable name, due date, % completed, submittal date, comments)
k. In accordance with PWS Section 1.7, report in the MSR, if the costs at the CAR level will exceed **75** percent of the total of the funded amount.
l. Billing summary:

(1) Labor hours for each skill level (SL) category (specify the contractor employee name and SL);
(2) Total labor charges for each skill category;
(3) Support Items. Support Items must be individually itemized and specified by each individual category, i.e. travel and per diem, training, security check fees, commodities;
(4) Total Support Item charges including G&A - if allowed;
(5) Total monthly charges.

Note: Travel charges must include the traveler's name, dates of travel, destination, purpose of travel and cost for each trip.

8.17 Personal Service. GSA will not issue orders to provide services prohibited by FAR Part 37.1. The administration and monitoring of the contractor's performance by GSA or the Client Representative shall not be as detailed or continual as to constitute supervision of contractor personnel. Government personnel may not perform any supervisory functions for contractor personnel, such as interviewing, appraising individual performance, scheduling leave or work, or directing how to perform work.

GSA meets the needs of its clients for support through non-personal services contracts/task orders. To counter the circumstances that infer personal services and to preserve the non-personal nature of the contract/task order, the contractor shall adhere to the following guidelines in the performance of the task.

a. Provide for direct supervision of all contract employees assigned to the task.
b. Refrain from discussing the issues such as skill levels and hours, salaries, cost and funding data, or administrative and personnel matters affecting contractor employees with the client.
c. Ensure close communication/coordination with the GSA Customer Account Manager, reporting problems to them as they occur (not waiting for a meeting).
d. Do not permit Government officials to interview potential contractor employees, discuss individual performance, approve leave or work scheduling of contractor employees, terminate contractor employees, assist contractor employees in doing their jobs or obtain assistance from the contractor in doing Government jobs.
e. Do not assign contractor personnel to work under direct Government supervision.
f. Maintain a professional distance from Government employees.
g. Provide contractor employees with badges, if appropriate, identifying them as contractors.
h. Ensure proper communications with the Government. Technical discussions and Government surveillance are acceptable, but the Government cannot tell the Contractor how to do the job.
i. Assign a task leader to the task order. The task leader or alternate shall be the only one who accepts tasking from the assigned Government point of contact or alternative.
j. When travel is required for the performance on a task, contractor personnel are only to travel as directed by their contract management.

8.18 Section 508 Compliance. All electronic and information technology (EIT) procured through this task order must meet the applicable accessibility standards at 36 CFR 1194, unless an agency exception to this requirement exists. 36 CFR 1194 implements Section 508 of the Rehabilitation Act of 1973, as amended, and is viewable at http://www.section508.gov.

8.19 Past Performance. The Government will provide and record Past Performance Information for acquisitions over $250,000 utilizing the Contractor Performance Assessment Reporting System (CPARS). The CPARS process allows contractors to view and comment on the Government's evaluation of the contractor's performance before it is finalized. .

8.20 Performance Based Requirements. This requirement is performance based. The contractor's performance will be evaluated by the government as described in the Quality Assurance Surveillance Plan (QASP). The first evaluation will cover the period ending six months after date of contract award with successive evaluations being performed at the end of each twelve-month period of performance thereafter until the contractor completes performance under all tasks. Evaluations will be posted to the Contractor Performance Assessment Report System (CPARS).

8.21 Contingency Response Support. In the event of a national defense, national disaster, or similar crisis, the contractor shall provide, as directed by the Government lead, a contingency response capability to rapidly assist AFNORTH or NSWC in the documentation and assessment of operational shortfalls or capability gaps, situational analyses, identification of potential IT solutions, and systems engineering recommendations to help mitigate loss of life or property to U.S. personnel. The contractor shall assist AFNORTH or NSWC in the establishment of emergency IT networks, databases, web sites, or obtaining peripheral IT support equipment (i.e. COTS routers, servers, OS licenses) in response to such disasters until relieved by the local Government lead or return to normal operations has been declared.

8.23 Distribution Limitations Statement. Technical documents generated under this delivery order shall carry the following Distribution Limitation Statement. Word-processing files shall have the statements included in the file such that the first page of any resultant hard copy shall display the statements. Additionally, each diskette delivered shall be marked externally with the statements and proper security classification.

DISTRIBUTION AUTHORIZED TO DOD AND U.S. DOD CONTRACTORS ONLY; ADMINISTRATIVE /OPERATIONAL USE, (DATE STATEMENT APPLIED). OTHER REQUESTS FOR THIS DOCUMENT SHALL BE REFERRED TO AFNORTH or NSWC

NO DISTRIBUTION OF THIS DOCUMENT SHALL BE MADE TO DTIC.
NO SECONDARY DISTRIBUTION AUTHORIZED WITHOUT PRIOR WRITTEN APPROVAL OF AFNORTH or NSWC.

WARNING - This document contains technical data whose export is restricted by the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et seq.) or the Export Administration act of 1979, as amended Title 50, U.S.C., app 2401 et seq. Violations of these export laws are subject to severe criminal penalties. Disseminate in accordance with provisions of DoD Directive 5230.25.

Destruction Notice - For classified documents, follow the procedures in DoD 5220.22-M, National Industrial Security Program Manual, Chapter 5, Section 7, or DoD 5200.1-R,

Information Security Program regulation. For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

8.24 Release of Information. All technical data provided to the contractor by the Government and/or developed by the contractor for the government shall be protected from public disclosure in accordance with the markings contained thereon and by paragraphs 8.0 and 9.0 above. All other information relating to the items to be delivered or services to be performed under this contract, including hardware contractor proprietary information may not be disclosed by any means without prior approval of the Contracting officer with concurrence of AFNORTH or NSWC authority. Dissemination or public disclosure includes, but is not limited to: permitting access of such information by foreign national or by any other persons or entities; publication of technical or scientific papers; advertising; or any other proposed public release. The contractor shall provide adequate physical protection of such information so as to preclude access by any person or entity not authorized such access by the Government.

8.25 Organizational Conflicts of Interest (OCI): The guidelines and procedures of FAR 9.5 will be used in identifying and resolving any issues of OCI at the task order level. Regarding OCI issues, orders may incorporate more specific terms and conditions including but not limited to restrictions, in the government's discretion, corresponding to the particular requirements of each order.

All actual or potential OCI situations shall be handled in accordance with FAR Subpart 9.5. "Offeror" as used in this solicitation section addressing OCIs shall include all vendors that the company submitting this proposal has entered into a contractor teaming agreement or prime contractor subcontractor relationship with in connection with its proposal submission for this acquisition.

If the Offeror is currently providing support or anticipates providing support to the Government that presents an actual or potential OCI with the requirements for this acquisition, OR, If the Offeror is currently performing or anticipates performing any other work for the Government under any proposal for any solicitation relating to the requirements for this order, the Offeror shall include in its proposal submission:

(1) a statement identifying and describing the actual or potential OCI, and
(2) a proposed OCI mitigation plan detailing the offeror's recommendation for how the potential OCI may be avoided, neutralized and/or mitigated.

If the Government determines an OCI cannot avoided, neutralized, or mitigated, the offeror may be excluded from consideration for award.

In the event that this Task Order requires activity that would create an actual or potential conflict of interest, the Contractor shall:

a. Notify the GSA Contracting Officer of the actual or potential conflict, and not commence work on any task requirement that involves a potential or actual conflict of interest until specifically notified by the GSA Contracting Officer to proceed;

b. Identify the conflict and recommend to the GSA Contracting Officer an alternate tasking approach which would avoid the conflict;

c. If the GSA Contracting Officer determines that it is in the best interest of the Government to issue the Order, notwithstanding a conflict of interest, a request for waiver shall be submitted in accordance with FAR 9.503.

d. Additionally, each contractor employee assigned to this task order shall sign an Organizational Conflict of Interest Statement. (See Attachments in Section 11) The contractor shall submit the executed Organizational Conflicts of Interest Statements through GSA ASSIST Post Award Collaboration Memo for Government Approval.

9.0 Invoices and Payment Information.

9.1 Invoice Submittal. A copy of the invoice for the task and all Task Items, must be submitted to the GSA ASSIST portal (https://portal.fas.gsa.gov). The Client Representative and GSA Customer Account Manager must approve the invoice in GSA ASSIST portal prior to payment. The payment information must satisfy a three-way match (ASSIST, GSA finance center, and SAM) for the invoice to be successfully processed for payment.

If the contractor submits a revised invoice, the revised invoice must include: 1) a unique invoice number, 2) a brief explanation, and 3) a cross-reference to any previous invoice submittals for tracking purposes and avoiding duplication. Copies of receipts, travel vouchers, etc., that have been completed in accordance with the applicable Government regulations must be attached to the invoice to support charges for other than employee labor hours. Original receipts shall be maintained by the contractor and made available to Government auditors upon request. Reimbursable costs must not exceed the limit(s) specified in the task order. The Government will not pay charges that are not specifically identified in the task and approved, in advance, by the Government. Invoices for final payment must be so identified and submitted when the task has been completed and no further charges are to be billed.

9.2 Payment Schedule. The contractor shall invoice for work performed the prior month.

9.3 Task Order Closeout. The contractor shall submit a final invoice and a completed and signed Release of Claims (GSA Form 1142) to the Contracting Officer, within forty-five (45) calendar days after the end of the performance period. After the final invoice has been paid, the contractor shall receive a unilateral modification for task order closeout. Order close-out will be accomplished within the guidelines set forth in FAR Part 4,

Administrative Matters, and FAR Pat 42, Contract Administration and Audit Services, specifically utilizing FAR 42.708, Quick-Closeout Procedures

10.0 References.

10.1 Definitions & Acronyms.

ACOR	Alternate Contracting Officer's Representative
CAM	Customer Account Manager
COR	Contracting Officer's Representative
KO	Contracting Officer
DoD	Department of Defense
EMSEC	Emission Security
FAR	Federal Acquisition Regulation
GFE	Government-Furnished Equipment
IA	Information Assurance
IATO	Interim Authority to Operate
ASSIST	GSA's IT Solutions Shop (web-based order processing system)

10.2 Applicable Documents.

The following documents, of the exact issue shown, form a part of this PWS to the extent specified herein. In the event of conflict between the documents referenced herein and the contents of this PWS, the contents of this PWS shall take precedence.

- Military Standards

  MIL-DTL-31000B Technical Data Packages

- Non-Government Standards

  ASME Y14.100 Engineering Drawing Packages
  ASME Y14.34M Associated Lists (2002)

- Programmatic Documents N/A

- Other Government Documents

DODD 5000.1	The Defense Acquisition System, 12 May 2003
CJCSI 3020.01	Managing, Integrating, and Using Joint Deployment Information Systems, 30 May 2000
CJCSI 6212.01B	Interoperability and Supportability of National Security Systems, and Information Technology Systems, 8 May 2000
CJCSI 3170.01C	Joint Capabilities Integration and Development System, 24 June 2003

DoD Architecture Framework Working Group v1.0, 16 January 2003

- Other Documents

  Software Engineering Institute (SEI), DOD Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics [OUSD (AT&L)], CMMI Steering Group, CMMI A-Specification, version 1.6, 6 February 2004

10.3 Information Assurance (IA) Certification.

a. Contractors performing IA functions as outlined in DoD 8570.01-M require an Information Assurance Technical (IAT) Level II certification within 180 days of date of award of the base period of performance. The personnel filling the positions must obtain and maintain a Security+ and a System Security Certified Practitioner (SSCP) certification. Contractor personnel are required to register their certifications at https://www.dmdc.osd.mil/appj/dwc/index.jsp and provide a copy of their certificate to the unit 8570 monitor to be included in the annual reporting.

b. In addition to the baseline IA certification requirement for IAT Level II, personnel with privileged access must obtain appropriate Computing Environment (CE) certifications for the operating system(s) and/or security related tools/devices they support as required by their employing organization. If supporting multiple tools and devices, an IAT should obtain CE certifications for all the tools and devices they are supporting.

10.4 Attachments.

a. Travel Expense Summary
b. Reserved
c. Reserved
d. Draft DD254

11.0 Federal Acquisition Regulation

11.1 FAR 52.252-2, Clauses Incorporated by Reference (Feb 1998). This task order incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this address:

https://www.acquisition.gov/far/index.html.

FAR 52-204-2 Security Requirements (Aug 1996)
FAR 52-204-9, Personal Identity Verification of Contractor Personnel (Jan 2011).
FAR 52.204-26 Covered Telecommunications Equipment or Services Representation (Dec 2019)

FAR 52.204-9 Personal Identity Verification of Contractor Personnel (Jan 2011)
FAR 52.216-31 Time-and-Materials/Labor-Hour Proposal Requirements—Commercial Item Acquisition (Feb 2007)
FAR 52.222-54, Employment Eligibility Verification (E-verify) (Oct 2015).
FAR 52.224-1 Privacy Act Notification (Apr 1984)
FAR 52.227-23 – Rights To Proposal Data (Technical) (JUN 1987).
FAR 52.228-3 Workers Compensation Insurance (Defense Base Act). (Jul 2014)
FAR52.228-4 -- Workers Compensation and War-Hazard Insurance Overseas (Apr 1984)
FAR 52.232-18, Availability of Funds (Apr 1984).
FAR 52.232-22 Limitation of Cost (Apr 1984).
FAR 52.232-22 Limitation of Funds (Apr 1984).
FAR 52.237-3, Continuity of Services (Jan 1991).
FAR 52.216-31, Time and Materials/Labor Hour Proposal Requirements – Commercial Item Acquisition (Feb 2007).
FAR 52.232-7, Payments under Time-and-Materials and Labor-Hour Contracts (Aug 2012).
FAR 52.243-3 Changes Time and Materials or Labor Hours (Sept 2000)
FAR 52.224-1Privacy Act Notification (Apr 1984)
FAR 52.224-2 Privacy Act.(Apr 1984)
FAR 52.245-1, Government Property (Jan 2017).
FAR 52.245-9, Use and Charges (Apr 2012).
FAR 52.246-4 Inspection of Services—Fixed-Price. (Aug 1996)
FAR 52.246-6, Inspection of Services – Time and Material and Labor Hour (May 2001).
FAR 52.251-1, Government Supply Sources (Apr 2012).
FAR 52.232-1 Payments (Apr 1984)
DFARS 211.274-4, Policy for Reporting of Government-furnished Property
DFARS 227.7103-5, Government Rights.
DFARS 227.7203-5, Government Rights.
DFARS 252.204-7000, Disclosure of Information (Oct 2016).
DFARS 252.204-7003, Control of Government Personnel Work Product (Apr1992).
DFARS 252.204-7016 Covered Defense Telecommunications Equipment or Services – Representation (Dec 2019)
DFARS 252.204-7017 Prohibition on the Acquisition of Covered Defense Telecommunications Equipment or Services (Dec 2019)
DFARS 252.204-7018 Prohibition on the Acquisition of Covered Defense Telecommunications Equipment or Services (Dec 2019)
DFARS 252.204-7021 Cyberspace Maturity Model Certification Requirements(Nov 2020)
DFARs clause 252.225-7040 Contractor Personnel Authorized to Accompany U.S. Armed Forces Deployed Outside the United States (Jun 2015).
DFARS 252.225-7043, Antiterrorism/Force Protection Policy for Defense Contractors

Outside the United States (Jun 2015).
DFARS 252.227-7013, Rights in Technical Data – Noncommercial Items, (Feb 2014).
DFARS 252.227-7015 Technical Data--Commercial Items. (Feb 2014).
DFARS 252.227-7016, Rights in Bid or Proposal Information (Jan 2011).
DFARS 252.227-7019, Validation of Asserted Restrictions – Computer Software, (Sep 2016).
GSAM 552.204-9 Personal Identity Verification Requirements (Jul 2020)

11.2 Clauses Incorporated in Full Text.

FAR 52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) *Definitions.* As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (*e.g.*, connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (*e.g.*, fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means–

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means–

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (*e.g.*, connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (*e.g.*, voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) *Prohibition*.

(1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at https://dibnet.dod.mil. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense,

identify both the indefinite delivery contract and any affected orders in the report provided at https://dibnet.dod.mil.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts.* The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

- **FAR 52.217-8, Option to Extend Services (Nov 1999).** The Government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The CO may exercise the option by written notice to the Contractor within 30 calendar days of the end of the task order.

- **FAR 52.217-9, Option to Extend the Term of the Contract (Mar 2000).** The Government may extend the term of this contract by written notice to the contractor within 30 calendar days before the contract expires; provided that the Government gives the contractor a preliminary written notice of its intent to extend at least 60 calendar days before the contract expires. The preliminary notice does not commit the Government to an extension. If the Government exercises this option, the extended contract shall be considered to include this option clause. The total duration of this contract, including the exercise of any options under this clause, shall not exceed 66 months.

- **DFARS 252.201-7000, Contracting Officer's Representative (Dec 1991).**

Definition. “Contracting officer's representative” means an individual designated in accordance with subsection 201.602-2 of the Defense Federal Acquisition Regulation Supplement and authorized in writing by the Contracting Officer to perform specific technical or administrative functions.

If the Contracting Officer designates a Contracting Officer’s Representative (COR), the contractor will receive a copy of the written designation. It will specify the extent of the COR’s authority to act on behalf of the Contracting Officer. The COR is not authorized to make any commitments or changes that will affect price, quality, quantity, delivery, or any other term or condition of the contract.

- **FAR 252.209- 7999 Representation by Corporations Regarding an Unpaid Delinquent Tax Liability or a Felony Conviction under any Federal Law.**

REPRESENTATION BY CORPORATIONS REGARDING AN UNPAID DELINQUENT TAX LIABILITY OR A FELONY CONVICTION UNDER ANY FEDERAL LAW (DEVIATION 2012- 00004) (JAN2012)

(a) In accordance with sections 8124 and 8125 of Division A of the Consolidated Appropriations Act, 2012, (Pub.L.112-74) none of the funds made available by that Act may be used to enter into a contract with any corporation that-

(1) Has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, where the awarding agency is aware of the unpaid tax liability, unless the agency has considered suspension or debarment of the corporation and made a determination that this further action is not necessary to protect the interests of the Government.

(2) Was convicted of a felony criminal violation under any Federal law within the preceding 24 months, where the awarding agency is aware of the conviction, unless the agency has considered suspension or debarment of the corporation and made a determination that this action is not necessary to protect the interests of the Government.

(b) The Offeror represents that-

(1) It is [ ] is not [ ] a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability,

(2) It is [ ] is not [ ] a corporation that was convicted of a felony criminal violation under a Federal law within the preceding 24 months.

11.3 Incremental Funding. The project may be incrementally funded. If incrementally funded, funds shall be added to the contract/order via a unilateral modification as the funds become available. The contractor shall not perform work resulting in charges to the Government that exceed obligated funds.

The contractor shall notify the Contracting Officer in writing whenever it has reason to believe that the costs it expects to incur under this contract in the next sixty (60) days, when added to all costs previously incurred, will exceed **75 percent** of the total amount so far allotted to the contract/order by the Government. The notice shall state the estimated amount of additional funds required to continue performance of the contract/order for the specified period of performance or completion that task.

Sixty days (60) before the end of the period specified in the Schedule, the contractor shall notify the Contracting Officer in writing of the estimated amount of additional funds, if any, required to continue timely performance under the contract or for any further period specified in the Schedule or otherwise agreed upon, and when the funds will be required.

The Government is not obligated to reimburse the contractor for charges in excess of the contract/order funded amount and the contractor is not obligated to continue performance or otherwise incur costs that could result in charges to the Government in excess of the obligated amount under the contract/order.

11.4 GSA Regional Policy for End of the Fiscal Year Funding: In Accordance with the Regional GSA FAS policy, the following are the procedures for acceptance of funds near the end of the fiscal year. This policy only applies to annual funds with an expiration date of the fiscal year (September 30), and does not apply to funding request by Multi-year or No-Year funds for which the obligation period extends beyond September 30th.

This policy is updated each year based on calendar dates and requirements of the agency. Each year in June, the policy will be updated as required. The Funding Acceptance Cut-off Dates indicates the last day funding acceptance actions can be processed without a waiver. A notice will be made to the contractor that will inform when the end of the year funding cutoff date will be made.

Funding received by GSA past these dates will not be accepted without a GSA Funding Acceptance Waiver. Acceptance of funds received on or after the cut-off dates shall be based on a case-by-case determination subject to the approval by the respective GSA AASD approving official. Funds less or equal $5Million will be authorized for acceptance by a Region 4 Section Chief. Funds over $5Million will be authorized for acceptance by an AASD Branch Chief or Deputy Director.

Request for waiver approval must be submitted and approved internally by GSA AASD. A Request for waiver approval must include all the required elements and be submitted and approved via Regional guidance. Pursuant to GSA Acquisition policy, the following elements will be considered when accepting funds late in the fiscal year:

i. Nature of what will be provided,
ii. Whether goods, severable services or non-severable services,
iii. Limitation of funds
iv. Whether the funds are annual, multi-year, or no-year.

Appendix A:
Technical Requirements for each CLIN

CLIN 001, 1001, 2001, 3001, 4001 ACC/A3C Combat Cloud Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted] Alt Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]

Period of Performance	Base Period: 1 Sep 2021 – 31 Aug 2022; Option Year (OY) 1: 1 Sep 2022 - 31 Aug 2023; OY2 1 Sep 2023 – 31 Aug 2024; OY3 1 Sep 2024 – 31 Aug 2025; OY4 1 Sep 2025 to 31 Aug 2026
Description of Effort	**Background:** Air Combat Command (ACC) is tasked with identifying, fielding and sustaining new C2ISR capabilities for the warfighter. Associated with these responsibilities is the need to develop supporting Operational Concepts, Employment Concepts, Acquisition and Programming Strategies. **Task Support**: **Task 1:** The contractor shall support the Air Force and ACC development of advanced operational concepts, conduct analysis of future concepts and capabilities, and capability demonstrations and tests. Tasks include: • Support ACC/A3CI, ACC/A3C, and ACC/A3 in researching, studying, and writing the appropriate documentation that identify the required Command and Control (C2) Operational and Tactical capabilities required to develop improved Information Dominance (ID) leading to Decision Superiority (DS). This support area focuses on IT systems, including data link, wireless networks, peripheral devices, and other C2 communications capabilities, that will enable or enhance future concepts such as, but not limited to, Combat Cloud, Air Battle Management System (ABMS), and Joint All Domain Command and Control (JADC2) for the AF and DoD. • Assist with the development of Operating Concepts and other documentation to explain how the United States (U.S.) military could develop advanced IT systems in an ID/DS capability to enhance their combined effectiveness and compensate for the vulnerabilities. • Help identify ID/DS Stakeholders to guide development of a US DOD Roadmap identifying a path from current technologies and capabilities through concept development and acquisition to a Full Operational Capability. • Identify the IT capabilities to link aerospace and information-age capabilities with sea and land-based means to create an omnipresent multi-domain defense

	framework that is self-forming, redundant, secure, and if attacked, self-healing. ● Provide IT Subject Matter Expertise to develop the integration of kinetic and non-kinetic force application with and within applicable concepts. ● Work shall be primarily performed onsite within Government facilities at Joint Base Langley- Eustis, Virginia, although work may also be performed wherever the Area of Responsibility (AOR) or Area of Operation (AOO) is designated. ● Travel to and/or participate in conferences, teleconferences, VTCs, and other events related to or impacting applicable programs ● Develop and maintain functional continuity checklists/SOPs on their specific tasks.
Other project information as required.	

CLIN 002, 1002, 2002, 3002, 4002 AFNORTH /A2 Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]

Period of Performance	Base Period: 1 Sep 2021 – 31 Aug 2022; Option Year (OY) 1: 1 Sep 2022 - 31 Aug 2023; OY2 1 Sep 2023 – 31 Aug 2024; OY3 1 Sep 2024 – 31 Aug 2025; OY4 1 Sep 2025 to 31 Aug 2026
Description of Effort	AFNORTH/A2 conducts activities through engaging, equipping, training, exercising and assessments with theater partner nations in support of their ISR operations, as related to counterdrug and other operations. The weight of effort is training and equipping of Geospatial Intelligence (GEOINT) Processing, Exploitation, and Dissemination (PED) analysts, computer workstations, simulators, sensors, and related network architecture. The subject matter and network architecture is highly technical and drives a requirement for ISR Information Technology (IT) support to assist AFNORTH in accomplishing the mission of assisting partner nations in support of homeland defense and counterdrug operations. **Specific Tasks:** ISR IT subject matter expertise is required to accomplish multiple tasks associated with furthering partner nation's ability to ultimately conduct counterdrug operations and support the US homeland defense mission. Tasks will include: • Assist AFNORTH A2 representatives to identify and document Intelligence, Surveillance, and Reconnaissance (ISR) infrastructure shortfalls. • Assist in the design, planning and implementation of ISR network infrastructure and capacity development and sustainment of partner nation ISR operations. • Research and identify applicable hardware/software vital to operating and sustaining optimum ISR infrastructure. • Assist AFNORTH with system installation, Information Assurance, maintenance, upgrades, equipment removal, documentation and technical drawings as required, to include travelling to partner nation locations to execute. • Coordinate with Software Engineers, Database Administrators, Operations and Maintenance personnel, and System Administrators as required to maintain systems integrity and availability • Identify, review, and provide assessment of emerging IT requirements for AFNORTH and partner nations. Assist AFNORTH with the documentation of emerging ISR requirements.

	● Provide assistance with the set-up and configuration of digital training classrooms (DTC) for ISR Mobile Training Teams (MTTs) to partner nations to include Mexico and Bahamas. Perform maintenance and troubleshoot technical issues during MTT execution. ● Collaborate on behalf of AFNORTH with internal and external partners/organizations to establish prioritized acquisition strategies with supporting budgets to meet partner nation requirements. ● Assist AFNORTH in coordinating with U.S. Embassy staff to accomplish IT support and installation of equipment at partner nation facilities. ● The contractor shall assist the government with the installation, configuring, administering, and maintaining IT systems. ● Travel to and/or participate in conferences, teleconferences, VTCs, and other events related to or impacting AFNORTH ISR requirements. ● The contractor shall develop/maintain functional checklists and SOP on their specific tasks. ● Work shall be primarily performed onsite within Government facilities at Tyndall AFB in Panama City, Florida, although work may also be performed in Mexico, Canada, and Bahamas, as required. This may include telework and travel outside the contiguous United States (OCONUS) to Mexico, Canada, Bahamas and other countries as requested.
Other project information as required.	

CLIN 003, 1003, 2003, 3003, 4003 DJC2 Program Support Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]

Period of Performance	Base Period: 1 Sep 2021 – 31 Aug 2022; Option Year (OY) 1: 1 Sep 2022 - 31 Aug 2023; OY2 1 Sep 2023 – 31 Aug 2024; OY3 1 Sep 2024 – 31 Aug 2025; OY4 1 Sep 2025 to 31 Aug 2026
Description of Effort	**Background:** This task supports the Deployable Joint Command and Control (DJC2) program a Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR system). DJC2 operates in the Littoral environment and performs Joint Command and Control Missions. This effort includes systems integration, logistics support, and sustainment of IT components for DJC2. This tasks support the DJC2 family of programs. The DJC2 program level includes In-Service Engineering Agent (ISEA), Homeland Security Agency (HAS), Software Support Activity (SSA), and Tactical Data Application (TDA). **Task Support**: Contractor shall provide studies and technology insertion products into DJC2 systems. Provide technical support in the efforts of technology insertion. Provide assessments of advanced programs, emerging technology, and innovative technology applications in support of technology transition; identify, exploit and manipulate current and emerging technologies; implement advanced communication systems to improve flow of voice and data communication and advanced security encryption firewalls; implement advanced information systems to aid the quick collection and dissemination of critical information; provide expert level analysis and assessment of DJC2 systems and other emerging technical efforts; deploy to support operations at tests, exercises, demos, or other real world events; and participate in planning and transition meetings. These tests, exercises, demos, or other real world events; and participate in planning and transition meetings can be held CONUS and OCONUS. Provide the DJC2 Program with integration technical support in the production of DJC2 systems. Specifically procure necessary components, conduct receipt inspections and integration. Provide hardware engineering support to the DJC2 Hardware Support Activity in the development, production/assembly, integration, and testing of the DJC2 system. The contractor shall provide rental storage and assembly area for this support. Software engineering support to the DJC2 Software Support Activity if provided for the Government-owned DJC2 system enclaves and networks to ensure that the systems meet the customer needs and directives and that all hardware and software is integrated into the system in accordance with the system design.

	Provide system engineering, design, and technical support of DJC2 systems to include project planning, design, analysis, troubleshooting, installation, retrofit, maintenance, user console hardware and software interoperability, test and evaluation, and independent verification and validation for products developed by other manufacturers or contractors. Provide hardware and software components are analyzed to determine whether they meet the technical requirements. The product maintainability and availability is also considered. Whenever a change needs to be made to the design, the team supports ECP efforts and notifies the appropriate subject matter expert of any known impacts to the ILS package or drawing packages. Sparing information is also provided to the logistics lead. Inputs to production procedure manuals are provided as needed Provide procurement and technology support for prototype systems for DJC2. Contractor shall provide overall program support will be provided including (but not limited to) to development and analysis of engineering papers; system requirements reviews; providing inputs to the system schedule; providing status reports and briefings for status meetings; generating, updating, compiling, and organizing presentation materials; and providing either draft or formal meeting minutes. Provide program management support specifically support the DJC2 Risk Management, collecting and analyzing program risks, reporting to the program office and participating in risk board meetings. Provide program and risk management support to DJC2, collecting and analyzing program risks, reporting to the program office and participating in risk board meetings. Provide support test events for both the system and system components. This support includes supporting the test events, completing test cards, and resolving issues so that equipment can be retested if necessary. Define and develop test plans and procedures for DJC2 systems. Conduct TRR and ensure test plans have been submitted and approved through the TSRC. Provide QA and test execution support to integration efforts for DJC2. Provide test report support for DJC2 systems. Provide overall program support will be provided including (but not limited to) training and update the existing DJC2 WBT based on changes from ECPs, PCDs, and/or TPDRs. The contractor shall provide non-propriety development and maintenance software tools for all WBT deliverables. The contractor shall update existing WBT modules content and develop new modules and sustain them in accordance with MIL-HDBK-29612-3A and in compliance with SCORM and provide them to the government 10 days before any scheduled test or training event.

	Contractor and government personnel will coordinate to validate and verify WBTs before final delivery. Product deliveries include uploading revised and new documents to the DJC2 Support Portal (https://sharepoint.djc2.org/support/default.aspx). Provide Logistics support for the DJC2 program, specifically assessment of logistics impacts of the DJC2 systems and other technology insertion efforts and update of logistics products Provide input to the development, review, update and maintenance processes for engineering and technical documentation and associated lists in support of DJC2. Provide, design, review, update, and maintain Supply Support Plans and PTD to include items such as Provisioning Parts Lists, Common and Bulk Items Lists, Allowance Parts Lists, and Allowance Equipment Lists for DJC2 systems. Provide Reliability Centered Maintenance (RCM) analysis in accordance with MIL-P-24534A or equivalent documents to produce a Maintenance Index Page (MIP) and Maintenance Requirements Cards (MRC) for DJC2 systems. Contractor shall provide support to the Government by providing input to the development, review, update and maintenance of engineering and technical documentation and associated lists for fielded IT solutions including software and hardware. This documentation may include items such as computer, software, and firmware documentation, engineering change pro engineering drawings and parts lists, specifications, technical reports, design documentation, technical data packages, failure reports, engineering change documentation, test plans, test reports, certification packages, and temporary alteration packages Naval shipboard installations for special operations and related programs. ● Work shall be primarily performed onsite within Government facilities at the Naval Support Activity Panama City, Beach Florida, although work may also be performed within CONUS or OCONUS, as required.
Other project information as required.	

CLIN 004, 1004, 2004, 3004, 4004 NETC2 Program Support Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]

Period of Performance	Base Period: 1 Sep 2021 – 31 Aug 2022; Option Year (OY) 1: 1 Sep 2022 - 31 Aug 2023; OY2 1 Sep 2023 – 31 Aug 2024; OY3 1 Sep 2024 – 31 Aug 2025; OY4 1 Sep 2025 to 31 Aug 2026
Description of Effort	**Background:** This task supports the Integration, and Fielding of Navy Expeditionary Combat Command Enterprise Tactical Command and Control (NETC2) project (a C4ISR system). NETC2 operates in the Littoral environment and performs Navy Command and Control Missions. This effort includes systems integration, logistics support, and sustainment of IT components for the NETC2 variant systems. **Task Support**: Contractor shall provide studies and technology insertion products into NETC2 variant systems. Provide technical support in the efforts of technology insertion. Provide assessments of advanced programs, emerging technology, and innovative technology applications in support of technology transition; identify, exploit and manipulate current and emerging technologies; implement advanced communication systems to improve flow of voice and data communication and advanced security encryption firewalls; implement advanced information systems to aid the quick collection and dissemination of critical information; provide expert level analysis and assessment of NETC2 variant systems and other emerging technical efforts; deploy to support operations at tests, exercises, demos, or other real world events; and participate in planning and transition meetings. These tests, exercises, demos, or other real world events; and participate in planning and transition meetings can be held CONUS and OCONUS. (PWS 3.1) Provide the NETC2 Project with integration and technical support in the production of NETC2 variant systems. Specifically procure necessary components, conduct receipt inspections and integration. . Provide system engineering, design, and technical support of the NETC2 variant systems to include includes project planning, design, analysis, troubleshooting, installation, retrofit, maintenance, user console hardware and software interoperability, test and evaluation, and independent verification and validation for products developed by other manufacturers or contractors.

	Provide procurement and technology support for prototype systems for NETC2. Contractor shall provide overall program support will be provided including (but not limited to) to development and analysis of engineering papers; system requirements reviews; providing inputs to the system schedule; providing status reports and briefings for status meetings; generating, updating, compiling, and organizing presentation materials; and providing either draft or formal meeting minutes. Provide program management support specifically support the DJC2 Risk Management for the NETC2 project, collecting and analyzing NETC2 project risks, reporting to the program office and participating in risk board meetings. Provide define and develop test plan and procedures for the NETC2 variant systems. Conduct TRR for NETC2 variant systems and ensure test plans have been submitted and approved through the TSRC. Provide support test events for both the system and system components. This support includes supporting the test events, completing test cards, and resolving issues so that equipment can be retested if necessary. Contractor shall provide QA and test execution support to integration efforts for the NETC2 variant systems. Contractor shall provide test report support for the NETC2 variant systems. Provide Logistics support for the NETC2 project, specifically assessment of logistics impacts of the NETC2 variant systems and other technology insertion efforts and update of logistics products). Provide overall program support will be provided including (but not limited to) training and update the existing DJC2 WBT based on changes from ECPs, PCDs, and/or TPDRs. Contractor shall provide non-proprietary development and maintenance software tools for all WBT deliverables. The contractor shall update existing WBT modules content and develop new modules and sustain them in accordance with MIL-HDBK-29612-3A and in compliance with SCORM and provide them to the government 10 days before any scheduled test or training event. Contractor and government personnel will coordinate to validate and verify WBTs before final delivery. Product deliveries include uploading revised and new documents to the DJC2/NETC2 Support Portal (https://sharepoint.djc2.org/support/default.aspx). Provide input to the development, review, update and maintenance processes for engineering and technical documentation and associated lists in support of NETC2. Provide, design, review, update, and maintain Supply Support Plans and PTD to include items such as Provisioning Parts Lists, Common and Bulk Items Lists, Allowance Parts Lists, and Allowance Equipment Lists for the NETC2 variant systems.

	Provide Reliability Centered Maintenance (RCM) analysis in accordance with MIL-P-24534A or equivalent documents to produce a Maintenance Index Page (MIP) and Maintenance Requirements Cards (MRC) for the NETC2 variant systems. Provide storage, shipping, and shipment support for hardware, software, and support equipment to the Government directed locations for the NETC2 variant systems CONUS and OCONUS. Contractor shall provide support to the Government by providing input to the development, review, update and maintenance of engineering and technical documentation and associated lists for fielded IT solutions including software and hardware. This documentation may include items such as computer, software, and firmware documentation, engineering change pro engineering drawings and parts lists, specifications, technical reports, design documentation, technical data packages, failure reports, engineering change documentation, test plans, test reports, certification packages, and temporary alteration packages Naval shipboard installations for special operations and related programs. Provide operational IT solution system support and software / hardware installation for the NETC2 variant systems. Provide input to the development, review, update and maintenance of engineering and technical documentation and associated lists for fielded IT solutions including software and hardware for the NETC2 variant systems. Provide licenses as required and on-going support and annual maintenance for each license for the NETC2 variant systems. ● Work shall be primarily performed onsite within Government facilities at the Naval Support Activity Panama City, Beach Florida, although work may also be performed within other CONUS locations, as required.

Other project information as required.	

CLIN 005, 1005, 2005, 3005, 4005 AFNORTH/A5 Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted] Alt Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email (b) (6) [redacted]

Period of Performance	Base Period: 1 Sep 2021 – 31 Aug 2022; Option Year (OY) 1: 1 Sep 2022 - 31 Aug 2023; OY2 1 Sep 2023 – 31 Aug 2024; OY3 1 Sep 2024 – 31 Aug 2025; OY4 1 Sep 2025 to 31 Aug 2026
Description of Effort	A5 Background: AFNORTH/A5 is responsible for the identification and coordination of emerging requirements in support of the USNORTHCOM mission that supports partner nations (Mexico, Canada, and the Bahamas) counter narcotics (CN) and counter transnational organized crime (CTOC) operations. The AFNORTH CN/CTOC enterprise includes support to planned and emerging Air Interdiction and Air Surveillance capabilities and processes, as well as communications and Information Technology (IT) lines of effort. **Specific Tasks:** The contractor shall assist AFNORTH identify and document US and partner nation capabilities and shortfalls in an effort to address common threats within the CN/CTOC arena. Partner nation limited analytical, interdiction, and surveillance capabilities in the approaches to the U.S. mainland, combined with deficiencies in intelligence, surveillance, and reconnaissance (ISR) professionals and equipment, create avenues for State and Non-State actors (to include illicit traffickers and Transnational Criminal Organizations (TCOs)) to infiltrate the U.S. homeland: • The contractor shall, in cooperation with the AFNORTH LNO (liaison officer) to the Air and Marine Operations Center (AMOC), develop and manage information sharing processes and agreements between the US and Mexico in order to facilitate radar data sharing that counters illicit air traffic within Mexico and in the vicinity of the shared US/Mexico border. (10 U.S. Code 284.b, c) • Contractor shall work closely with the AMOC LNO to facilitate collaboration between Customs and Border Protection (CBP) and SEDENA/FAM (Mexican Army/Air Force) to strengthen interoperability and cooperation in the area of our common border to improve communication and processes that interdict illicit traffic within the Mexico AOR. (10 U.S. Code 284.a, c) • The contractor shall assess capabilities and identify gaps against proposed CN

	strategies to achieve improved air surveillance and air interdiction capabilities with the partner nations within the NNC AOR in support of CN/CTOC operations. (10 U.S. Code 284.b, c) • The contractor shall provide operational support to build air surveillance and interdiction scenarios into bilateral exercises, which further the partner nation CN/CTOC capabilities. Operational support facilitates target routing and cross-border Tactics, Techniques, and Procedures (TTP). (10 U.S. Code 284.b, c) • The contractor shall assist AFNORTH in developing the Radar Working Group under NORTHCOM guidance. As a member of the Radar Working Group, the contractor shall help identify solutions to remedy extensive radar detection gaps, particularly within Mexico. Developing this surveillance capability is crucial to preventing illicit traffic movement across the US/Mexico border. (10 U.S. Code 284.b, c) • The contractor shall help synchronize NORTHCOM, ARNORTH, and AFNORTH efforts in assisting the Government of Mexico (GoM) determining their air surveillance and air interdiction requirements. (10 U.S. Code 284.b, c) • Work shall be primarily performed onsite within Government facilities at Tyndall AFB in Panama City, Florida, although work may also be performed in Mexico, Canada, and Bahamas, as required. This may include telework and travel outside the contiguous United States (OCONUS) to Mexico, Canada, Bahamas and other countries as requested.
Other project information as required.	

CLIN 006, 1006, 2006, 3006, 4006 AFNORTH/A6 Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]

Period of Performance	Base Period: 1 Sep 2021 – 31 Aug 2022; Option Year (OY) 1: 1 Sep 2022 - 31 Aug 2023; OY2 1 Sep 2023 – 31 Aug 2024; OY3 1 Sep 2024 – 31 Aug 2025; OY4 1 Sep 2025 to 31 Aug 2026

Description of Effort	**Background:** AFNORTH/A6 provides technology transition and sustainment for the NORAD-NORTHCOM (N-NC) CONUS NORAD Region (CONR) Air Operations Center (AOC) or Air Defense Sectors as required. This task focuses on transitioning and sustaining Information Technology (IT) systems supporting AFNORTH's the Command, Control, Communications and Computer (C4) systems. **Specific Tasks:** The contractor shall perform studies to define IT solutions. Emphasis shall be placed upon technology insertion initiatives, to include existing or emerging IT capabilities, to meet program requirements. ● The contractor shall provide systems engineering, design, and technical support as required for the design, development, analysis and support of IT solutions for information and data sharing, C4/Cybersecurity capacity development, and knowledge management. This includes project planning, design, analysis, troubleshooting, installation, retrofit, maintenance, user console hardware/software interoperability, test and evaluation, and independent verification/validation for products developed by other manufacturers or contractors. ● The contractor shall provide system sustainment, training, and documentation of the virtualized client environment. Circuit Management Office (CMO) ● The contractor will Assist the AFNORTH Circuit Management Office (CMO) in providing circuit management support for CONUS. This CMO focuses on circuit management in support of the Air Defense mission. ● The contractor shall provide up to two personnel perform circuit management duties under the lead AFNORTH Circuit Manager. The Emphasis shall be placed upon timely responses to new and ongoing circuit requirements. The contractor personnel will be given office space within AFNORTH/A6. ● The contractor shall use the tools of the trade to include, but not limited to, a DISA web based order entry system, DISA repository system, shared trackers and organization mailbox. The contractor shall possess the skills to gather necessary technical information to build and submit Telecommunications Service Requests (TSRs), interpret Telecommunications Service Orders (TSOs) and Status of Acquisition Messages (SAMs), complete Delayed Service Requests (DSRs) and In-Effect Reports (IERs), and close out the requirement by filing all messages and updating shared trackers. AFNORTH Information Systems Security Manager (ISSM) ● The contractor shall assist the AFNORTH ISSM with Cyber Security planning and execution. The contractor shall assist the government prepare and deliver the following products: incident vulnerability identification and assessment, Cyber

	event auditing/reporting, DoD Information Assurance Certification and Accreditation Process (DIACAP) documentation, Risk Management Framework (RMF) documentation, and Plan of Actions and Milestones (POA&M). The contractor shall also scan systems for vulnerabilities and apply applicable Security Technical Implementation Guides (STIGs). Journeyman Information Technology Project Manager • Assist the A6 staff with project management. Assist in planning, initiating, and managing information technology (IT) projects. Assist in leading and guiding the work of technical staff. Serve as liaison between business and technical aspects of projects. Assist in planning project stages and assessing business implications for each stage. Monitor progress to assure deadlines, standards, and cost targets are met. Work shall be primarily performed onsite within Government facilities at the CONR AOC, Tyndall AFB, Florida; Eastern and Western Air Defense Sectors (Rome, NY & Joint Base McChord, WA), although work may also be performed wherever designated within the Area of Operation (AOO). This may include telework and/or travel outside the contiguous United States (OCONUS).
Other project information as required.	

CLIN 007, 1007, 2007, 3007, 4007 NAWCTSD Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted] Alt Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] (b) (6) [redacted]

Period of Performance	Base Period: 1 Sep 2021 – 31 Aug 2022; Option Year (OY) 1: 1 Sep 2022 - 31 Aug 2023; OY2 1 Sep 2023 – 31 Aug 2024; OY3 1 Sep 2024 – 31 Aug 2025; OY4 1 Sep 2025 to 31 Aug 2026
Description of Effort	**Background:** The Navy Air Warfare Center Training Systems Division (NAWCTSD) developed the Enterprise Network Guard (ENG), which acts as a trusted guard between networks at two different security classification levels. They have a need to continue development of this Government off the Shelf (GOTS) Cross Domain Solution (CDS) and conduct security assessment testing to allow for use on DoD networks. Associated with these responsibilities is the need to provide Software Solutions Engineering Support, Systems Engineering Technical Support, Computer Hardware & Software Integration, and Test Support. **Specific Tasks:** The contractor shall support the NAWCTSD through the development of software products in compliance with DoD CDS technology guidance, software design and integration with Live Virtual Constructive training (LVCt) environments and client requirements. Tasks include: • Support NAWCTSD in continuing development of ENG rule sets to gain acceptance of use across DoD networks for all services. This support area focuses on providing systems engineering, design, and technical support ass assigned for the design, development, analysis, and software support in support of IT systems for Mission Deployed Systems utilizing Cross Domain Solutions. This support area focuses on IT systems, including data link, wireless networks, peripheral devices, and other command and control (C2) communications capabilities, that will enable or enhance future concepts for the AF and DOD. • Conduct software development to implement secure processing of datalink and audio feeds across ENG. • Support testing of ENG in accordance with Unified Cross Domain Solution Management Organization (UCDSMO) CDS certification testing and evaluation to gain formal assessment/authorization for the integration of additional datalink and audio capabilities into the Joint Training Environment. • Integrate cyber security policy rulesets into the ENG baseline and conduct independent verification and validation. • Implement additional secure management capabilities into the ENG software baseline.

	● Software design and integration with LVCt environments ● Work shall be primarily performed onsite within Government facilities at NAWCTSD in Orlando, FL and at contractor facilities.

CLIN 008, 1008, 2008, 3008, 4008 AFNORTH/A8 Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]

Period of Performance	Base Period: 1 Sep 2021 – 31 Aug 2022; Option Year (OY) 1: 1 Sep 2022 - 31 Aug 2023; OY2 1 Sep 2023 – 31 Aug 2024; OY3 1 Sep 2024 – 31 Aug 2025; OY4 1 Sep 2025 to 31 Aug 2026
Description of Effort	**Background:** AFNORTH/A8 conducts demonstrations, prototyping, and transition planning for emerging IT systems and capabilities into the NORAD-NORTHCOM, CONUS NORAD Region Air Operations Center or Air Defense Sectors as required to support AFNORTH, 601st AOC, and Air Combat Command. The Air/Land/Maritime environments are a major part of this joint services Intelligence, Surveillance, and Reconnaissance (ISR) program. This program focuses on Homeland Defense/Security ISR IT systems and Joint Adaptive, Collaborative, Command, Control, Communications, Computer, Intelligence, Surveillance and Reconnaissance (AC5ISR). Support will include: **Supported Tasks:** - Provide engineering and design support for prototyping, implementing and demonstrating emerging AC5ISR Information Technologies (IT). Assist with program management planning support during Joint Concept Technology Demonstrations (JCTDs) and similar live or simulation demonstration events. • Assist the government to conduct acquisition and sustainment strategy planning. Identify expected IT transition, sustainment costs, and life cycle costs necessary to support AFNORTH's Homeland Defense and Disaster Response mission sets. • Provide technical support to include modeling, simulation, and analysis of emerging IT systems used in the training of various command and air battle manager personnel. • Provide technical support to utilize Integrated Air and Missile Defense (IAMD) IT technologies with existing air, land, and littoral surveillance systems and equipment for contingency tasks, as required, supporting the homeland defense mission or as requested. • Provide IT technology transition impact and reliability studies, Information Assurance (IA) and configuration management documentation including performing security scans, implementing corrective actions, and updating related documentation to support accreditation and mission assurance. • Assist AFNORTH and ACC with the technical investigation, demonstration and assessment of specialized IT solutions (hardware and software) developed to enable integration of advanced radars, high performance electro-optical and infra-

	red camera systems, lasers, microwave, or other non-traditional surveillance systems used to provide an improved air surveillance capability. ● Provide expertise to plan, configure, operate network equipment to include but not limited to firewalls, routers, cryptographic, cross domain solutions, data link equipment and radio systems, supporting antenna/mast systems, power and HVAC equipment, temporary field shelters necessary to conduct live demonstrations. ● Participate in government demonstration planning and transition meetings, supplying technical expertise to support the development of test plans, test procedures, scheduling, and capture of accompanying tactics, techniques, and procedural modifications. ● Assist the government with the development of Measures of Performance and Measures of Effectiveness and other testing criteria for various demonstrations. ● Provide IT support for computer forensic activities to accomplish end-to-end reconstruction and playback of collected audio, video, and data to assist in the analysis of critical air defense or other test events. ● Assist the government with Government purchased, inventory, storage, installation, and control of IT related technologies. ● Contractor shall provide support to the Government by providing input to the development, review, update and maintenance of engineering and technical documentation and associated lists for fielded IT solutions including software and hardware. This documentation may include items such as computer, software, and firmware documentation, engineering change pro engineering drawings and parts lists, specifications, technical reports, design documentation, technical data packages, failure reports, engineering change documentation, test plans, test reports, certification packages, and training packages for AFNORTH equipment supporting advanced IT demonstrations and investigations. ● Work shall be primarily performed onsite within Government facilities at Tyndall AFB, Florida, although work may also be performed wherever the Area of Responsibility (AOR) or Area of Operation (AOO) is designated. This may include Travel to Eastern Air Defense Sector and Western Air Defense Sectors, Eglin AFB, Peterson AFB, Langley AFB, and other locations as deem necessary to support demonstrations or other real world contingencies.
Other project information as required.	

CLIN 009, 1009, 2009, 3009, 4009 AFNORTH A9 Contract Type: T&M	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]

Period of Performance	Base Period: 1 Sep 2021 – 31 Aug 2022; Option Year (OY) 1: 1 Sep 2022 - 31 Aug 2023; OY2 1 Sep 2023 – 31 Aug 2024; OY3 1 Sep 2024 – 31 Aug 2025; OY4 1 Sep 2025 to 31 Aug 2026
Description of Effort	**Background:** AFNORTH has a robust live-virtual-constructive (LVC) capability for training the Homeland Defense (HLD) mission. This LVC training capability also supports war fighter investigation of emerging Concepts of Employment (CONEMP) or Tactics, Techniques and Procedures (TTP). A9 uses formal tests such as Joint Test and Evaluation (JT&E), Quick Reaction Tests (QRT) and other venues to support these activities. LVC capabilities also enable training with advanced 4th/5th generation aircraft simulators (referred to as the "CAF DMO Project"). LCV also support the investigation of emerging C2 capabilities, and their potential impact to operations and training. **Task Support**: Support AFNORTH, the 601st Air Operations Center (AOC) and subordinate air defense sectors (ADS) with technical support to meet Live-Virtual-Constructive (LVC) training objectives. This program focuses on LVC IT systems, including networks and peripheral devices, command and control display (C2) systems, voice simulators and air traffic simulators. Support will include: • Facilitating integration of Integrated Air and Missile Defense (IAMD) IT technologies as required, for LVC training scenarios supporting the homeland defense mission. This task area is a joint mission area including a maritime component. It utilizes integrated ground and mobile radars and satellites that work with AEGIS radar and firing systems for air breathing and ballistic missile threats. • Engineering support and subject matter expertise for implementing and sustaining LVC technologies, including networks, and Distributed Interactive Simulation (DIS) compatible virtual and constructive simulators, models and data link systems. • Support Advanced Simulation Combat Operations Trainer (ASCOT) hardware and software support through PLEXSYS to include but not limited to help desk, software updates and CAF DMO standards and updates for eight locations. • Assistance with planning and architecture design for access to LVC networks such as the DIS voice network integration into Mission Voice Platform (MVP), Air Reserve Component Network (ARCNet) and Distributed Mission Operations Network (DMON) to support test objectives and tactics, technique, procedures

	development. ● Purchase and installation of IT equipment necessary to support MVP capabilities and requirements resulting from architecture planning and design from previous paragraph. ● Assistance with the design, development, installation, configuration, and maintenance of command and control (C2) systems including Battle Control System-Fixed (BCS-F) and the multi-source correlator tracker/tactical display framework (MSCT-TDF) or other IT based C2 system components. ● Purchase of IT equipment as required for test event accomplishment to meet programmatic tech refresh or LVC modernization goals. ● Information assurance (IA) subject matter expertise to assure compliance with DoD information assurance policy, resulting in timely accreditation of network architectures for AFNORTH and NORAD-USNORTHCOM homeland defense training events to include Combat Air Forces (CAF) DMO platforms. ● Support for LVC training, including preparation of scenarios, scripts and related materials in support of emerging homeland defense mission sets. ● Development of exercise network architectures, and assistance with execution of information assurance (IA) policy and procurement, design, testing and accreditation of cross domain security (CDS) components such as Radiant Mercury. ● Conduct of information assurance (IA) activities to ensure system hardening IAW DoD IA policy. ● Design, modeling and analysis of emerging technology information systems to aid battle managers and other personnel with the quick collection and dissemination of critical information. ● Assistance to identify IT sustainment costs, life cycle costs, and conduct acquisition and sustainment strategy planning. ● Provide systems engineering, communications engineering and peripheral support as required to conduct live exercises and demonstrations of advanced IT systems often under field conditions ● Assist the government maintaining inventory control, vehicle and facility access and control, COMSEC control, and classified storage requirements of IT related technologies. ● Participation in planning meetings, supplying technical expertise, planning, development of test plans and procedures to demonstrate the effectiveness of proposed solutions and accompanying tactics, techniques, and procedural modifications. ● Work shall be primarily performed onsite within Government facilities at Tyndall AFB, Florida, the Eastern Air Defense Sector (EADS) (Rome NY), Western Air

	Defense Sector (WADS) (Tacoma WA), and the Joint Air Defense Operations Center (JADOC) (Bolling AFB, DC). Work may also be performed wherever the Area of Responsibility (AOR) or Area of Operation (AOO) is designated. This may include travel to EADS, WADS, the JADOC, Langley AFB VA, and Panama City Florida. ● Other project management information as required or needed
Other project information as required.	

CLIN 0010/1010/2010/3010/4010 Space and Missile Systems Center Contract Type: FFP	Client Rep: (b) (6) [redacted] Phone: (b) (6) [redacted] Email: (b) (6) [redacted]

Period of Performance	Base Period: 1 Sep 2021 – 31 Aug 2022; Option Year (OY) 1: 1 Sep 2022 - 31 Aug 2023; OY2 1 Sep 2023 – 31 Aug 2024; OY3 1 Sep 2024 – 31 Aug 2025; OY4 1 Sep 2025 to 31 Aug 2026
Description of Effort	**SMC/ECPL Background:** The Space & Missile Systems Center, Product Enterprise, Launch and Test Range Systems (SMC/ECPL) division provides the operations, maintenance, sustainment, and modernization activities of the nation's primary space launch services on the Eastern and Western Ranges (ER/WR). This organization provides vital launch services for our nation's sentinels in space supporting NORAD/NORTHCOM and a variety of IC participants entrusted with surveillance. **Specific Tasks:** The Contractor shall provide the functional support required to fulfill this task order as described in the following subtasks. These tasks span assisting SMC/ECPL in standing up program office capability and establishing supporting business processes. • The Contractor shall assist SMC/ECPL develop enterprise governance. This includes writing and coordinating a governance charter, which enables annual enterprise development and approval of ER and WR development and sustainment priorities and supporting investment as we transform the ranges into spaceports. The charter will facilitate quarterly enterprise review and coordination of priorities and investments. The contractor shall assist USSF staff in implementing and facilitating the governance execution and tech roadmap development. • The contractor shall provide SMC/ECPL with research investment plans linking investment and RDT&E activities to projected operational requirements. The transfer of LTRS investment and RDT&E programmatic responsibilities to SMC/ECPL occurred without resources to accomplish needed systems engineering, planning and requirement forecasting. Additionally, the contractor will ensure USSF staff understands approved planning to ensure resourcing and provide impacts to appropriation changes. • The contractor shall support SMC/ECPL in the Range of the Future Business Strategy Working Group. The working group is tasked to develop a strategic, agile and responsive acquisition strategy to provide access to commodities required for launch on the ER and WR. This task includes integrating strategy for future LTRS architecture operations leveraging current operational expertise. The contractor shall provide the program office business manager with working group products and accomplish working

	group taskers assigned to SMC/ECPL. ● The contractor shall assist SMC/ECPL by developing strategic messages on delivering USSF Chief of Space Operations (CSO)-directed requirements by 2023. The program manager is required to periodically update the CSO and senior staff on architecture transformation. Additionally, strategic communications include ensuring ER and WR requirement holders understand LTRS architectural changes. The contractor shall support interactions with the USSF staff updating CSO and other senior leadership on ROTF architecture. Strategic communication products may include briefings and briefing slides, and white papers. Themes include messages on architecture capability to support multiple, simultaneous launch operations on a plug-and-play, data-driven launch range. ● The contractor shall assist SMC/ECPL in developing cyber security processes for LTRS architecture. The program manager requires processes to ensure system equipment accreditation is completed. The contractor shall provide the program office with process for ensuring timely accreditation actions are completed, tracked and documented. This includes monthly review of accreditation report status and interaction with USSF staff and accreditation official staff as required to ensure effective processing of system accreditation packages. ● The contractor shall assist SMC/ECPL implement directed organizational realignment as required per USSF CSO. Congress directed USSF develop an organization structure to meet assigned service responsibilities and report on that organization in FY20. It's anticipated the program office will integrate with other USSF Assured Access to Space organizations under a single leader. The contractor will support the government lead by developing change management tools including reorganization design reports and researching and responding to actions assigned to the program office specific to USSF realignment ● Work shall be primarily performed onsite within Government facilities at Peterson AFB, CO. SECURITY REQUIREMENT: Secret Level clearance, with SAP/SAR.
Other project information as required.	