JOINT CAPABILITY EMBEDDED TECHNOLOGY INSERTION AND INTEGRATION (JCETII)

Modification P00041

TASK ORDER

47QFCA18F0067

in support of:

Chief Information Security Office (Acquisition & Sustainment) – CISO (A&S)

Issued to:
Alion Science and Technology Corporation

Conducted under Federal Acquisition Regulation (FAR) 16.505

Issued by:
The Federal Systems Integration and Management Center (FEDSIM)
1800 F Street, NW (QF0B)
Washington, D.C. 20405

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FEDSIM Project Number: 47QFCA21Z0976

B.1 GENERAL

The work shall be performed in accordance with all Sections of this Task Order (TO and the contractor's Basic Contract, under which the resulting TO will be placed. This One Acquisition Solution for Integrated Services (OASIS TO falls under Pool 4. An acronym listing to support this Task Order Request (TOR) is included in (**Section J, Attachment B)**.

B.2 CONTRACT ACCESS FEE (CAF)

The General Services Administration's (GSA) operating costs associated with the management and administration of this contract are recovered through a contract access fee (CAF). In accordance with the OASIS base contract, the CAF shall be 0.1 percent of the total TO value. This TO shall have a separate cost-reimbursable Contract Line-Item Number (CLIN) to cover this access fee, and this CAF shall be obligated at TO Award (TOA).

B.3 ORDER TYPES

The contractor shall perform the effort required by this TO on a Cost-Plus-Fixed-Fee (CPFF) basis for mandatory CLINs 0001, 1001, 2001, 3001, and 4001. Not-to-Exceed (NTE) basis for CLINs 0002, 0003, 0004, 0005 1002, 1003, 1004, 1005, 2002, 2003, 2004, 2005, 3002, 3003, 3004, 3005, 4002, 4003, 4004, and 4005.

B.4 SERVICES AND PRICES/COSTS

Long-distance travel is defined as travel over 50 miles from the assigned Government work site. Local travel will not be reimbursed.

The following abbreviations are used in this price schedule:

CLIN	Contract Line-Item Number
CPFF	Cost-Plus-Fixed-Fee
NTE	Not-to-Exceed
ODC	Other Direct Cost

B.4.1 BASE PERIOD:

MANDATORY TERM CPFF LABOR CLIN

CLIN	Description	Level of Effort/ # of Hours	Cost	Fixed Fee	Total CPFF
0001	Labor (Tasks 1-8)	(b)(4)	(b)(4)	(b)(4)	$73,340,811

COST REIMBURSEMENT TRAVEL, MATERIALS AND EQUIPMENT, AND ODC CLINs

CLIN	Description		Total NTE Price
0002	Long-Distance Travel Including Indirect Handling Rate (b)(4)	NTE	$3,900,000

CLIN	Description	Cost	Fixed Fee	Total CPFF
0003	Equipment Including Indirect Handling Rate (b)(4)	(b)(4)	(b)(4)	$48,296,050
0004	Materials Including Indirect Handling Rate (b)(4)	(b)(4)	(b)(4)	$1,425,000

CONTRACT ACCESS FEE

CLIN	Description		Total Ceiling Price
0005	Contract Access Fee	NTE	$126,962

TOTAL CEILING BASE PERIOD CLINs: **$127,088,823**

B.4.2 OPTION PERIOD ONE:

MANDATORY TERM CPFF LABOR CLIN

CLIN	Description	Level of Effort/ # of Hours	Cost	Fixed Fee	Total CPFF
1001	Labor (Tasks 1-8)	(b)(4)	(b)(4)	(b)(4)	$98,871,793

COST REIMBURSEMENT TRAVEL, MATERIALS AND EQUIPMENT, AND ODC CLINs

CLIN	Description		Total NTE Price
1002	Long-Distance Travel Including Indirect Handling Rate (b)(4)	NTE	$1,956,000

CLIN	Description	Cost	Fixed Fee	Total CPFF
1003	Equipment Including Indirect Handling Rate (b)(4)	(b)(4)		$58,837,404
1004	Materials Including Indirect Handling Rate (b)(4)	(b)(4)	(b)(4)	$100,000

CONTRACT ACCESS FEE

CLIN	Description		Total Ceiling Price
1005	Contract Access Fee	NTE	$159,765

TOTAL CEILING OPTION PERIOD ONE CLINs: **$159,924,962**

B.4.3 OPTION PERIOD TWO:

MANDATORY TERM CPFF LABOR CLIN

CLIN	Description	Level of Effort/ # of Hours	Cost	Fixed Fee	Total CPFF
2001	Labor (Tasks 1-8)	(b)(4)	(b)(4)	(b)(4)	$180,584,678

COST REIMBURSEMENT TRAVEL, MATERIALS AND EQUIPMENT, AND ODC CLINs

CLIN	Description		Total NTE Price
2002	Long-Distance Travel Including Indirect Handling Rate (b)(4)	NTE	$3,113,568

CLIN	Description	Cost	Fixed Fee	Total CPFF
2003	Equipment Including Indirect Handling Rate (b)(4)	(b)(4)		$102,963,612
2004	Materials Including Indirect Handling Rate (b)(4)	(b)(4)	(b)(4)	$600,000

CONTRACT ACCESS FEE

CLIN	Description		Total Ceiling Price
2005	Contract Access Fee	NTE	$287,262

TOTAL CEILING OPTION PERIOD TWO CLINs: **$287,549,120**

B.4.4 OPTION PERIOD THREE:

MANDATORY TERM CPFF LABOR CLIN

CLIN	Description	Level of Effort/ # of Hours	Cost	Fixed Fee	Total CPFF
3001	Labor (Tasks 1-8)	(b)(4)	(b)(4)	(b)(4)	$134,538,375

COST REIMBURSEMENT TRAVEL, MATERIALS AND EQUIPMENT, AND ODC CLINs

CLIN	Description		Total NTE Price
3002	Long-Distance Travel Including Indirect Handling Rate (b)(4)	NTE	$3,719,473

CLIN	Description	Cost	Fixed Fee	Total CPFF
3003	Equipment Including Indirect Handling Rate (b)(4)	(b)(4)		$97,170,028
3004	Materials Including Indirect Handling Rate (b)(4)	(b)(4)	(b)(4)	$1,587,113

CONTRACT ACCESS FEE

CLIN	Description		Total Ceiling Price
3005	Contract Access Fee	NTE	$237,015

TOTAL CEILING OPTION PERIOD THREE CLINs: **$237,252,004**

B.4.5 OPTION PERIOD FOUR:

MANDATORY TERM CPFF LABOR CLIN

CLIN	Description	Level of Effort/ # of Hours	Cost	Fixed Fee	Total CPFF
4001	Labor (Tasks 1-8)	(b)(4)	(b)(4)	(b)(4)	(b)(4)

COST REIMBURSEMENT TRAVEL, MATERIALS AND EQUIPMENT, AND ODC CLINs

CLIN	Description		Total Ceiling Price
4002	Long-Distance Travel Including Indirect Handling Rate (b)(4)	NTE	(b)(4)

CLIN	Description	Cost	Fixed Fee	Total CPFF
4003	Equipment Including Indirect Handling Rate (b)(4)	(b)(4)	(b)(4)	(b)(4)
4004	Materials and Including Indirect Handling Rate (b)(4)	(b)(4)	(b)(4)	(b)(4)

CONTRACT ACCESS FEE

CLIN	Description		Total Ceiling Price
4005	Contract Access Fee	NTE	$4,907

TOTAL CEILING OPTION PERIOD FOUR CLINs: **$4,911,570**

GRAND TOTAL CEILING ALL CLINs: **$816,726,479**

B.5 SECTION B TABLES

B.5.1 MATERIALS AND EQUIPMENT, OTHER DIRECT COSTS (ODCs), AND LONG-DISTANCE TRAVEL HANDLING RATE

Materials and Equipment, ODCs, and Long-Distance Travel costs incurred may be burdened with the contractor's indirect/material handling rate in accordance with the contractor's disclosed practices, provided that the basic contract does not prohibit the application of indirect rate(s) on these costs.

a) If no indirect/material handling rate is allowable in accordance with the contractor's disclosed practices, no indirect/material handling rate shall be applied to or reimbursed on these costs.
b) If no rate is specified in the schedule of prices above, no indirect rate shall be applied to or reimbursed on these costs.

The indirect handling rate over the term of the TO shall not exceed the rate specified in the schedule of prices above.

B.5.2 DIRECT LABOR RATES

Labor categories proposed shall be mapped to existing OASIS labor categories.

B.6 INCREMENTAL FUNDING

B.6.1 INCREMENTAL FUNDING LIMITATION OF GOVERNMENT'S OBLIGATION

Incremental funding in the amount of $**563,749,996.41** for CLINs 0001 through 3005 is currently allotted and available for payment by the Government. Additional incremental funding for these CLINs may be allotted and available for payment by the Government as the funds become available. The estimated period of performance covered by the allotments for the mandatory CLIN is from award through September 27, 2022, unless otherwise noted in Section B. The TO may be modified to add funds incrementally up to the maximum of **$816,726,479** over the performance period of this TO. These allotments constitute the estimated cost for the purpose of Federal Acquisition Regulation (FAR) Clause 52.232-22, Limitation of Funds, which applies to this TO on a CLIN-by-CLIN basis. Alion shall inform the COR, in writing, when 75% of the costs allotted to each PRD has been expended. Expenditures for each PRD shall not exceed the allotted amount. Each PRD is contingent upon the availability of funds and performance shall not commence until funding has been obligated on the task order

When the work required under any CLIN is completed, and that work is within the total estimated cost shown above, the contractor shall be entitled to payment of fixed fee proportional to cost incurred for that CLIN. The contractor may present, with its monthly vouchers for costs, a fee voucher in an amount bearing the same percentage of fixed fee as the certification of incurred costs bears to the total estimated cost for each CLIN. However, in accordance with FAR 52.216-8, after payment of 85 percent of the fixed fee for the total TO, the Federal Systems Integration and Management Center (FEDSIM) Contracting Officer (CO) may withhold further payment of fixed fee until a reserve shall have been set aside in an amount which the FEDSIM CO considers

necessary to protect the interest of the Government. This reserve shall not exceed 15 percent of the total fixed fee or $100,000, whichever is less.

See **Section J, Attachment C** - Incremental Funding Chart (Excel Spreadsheet).

C.1 BACKGROUND

The Department of Defense (DoD) provides fully capable Special Operations Forces (SOF) to defend the United States (U.S.) and its interests and to plan and synchronize operations against terrorist networks. To achieve this mission, SOF commanders and staff must plan and lead a full range of lethal and nonlethal special operations missions in complex and ambiguous environments. Likewise, SOF personnel serve as key members of Joint, Interagency, and international teams and must be prepared to employ all assigned authorities and apply all available elements of power to accomplish assigned missions. In this capacity, SOF personnel must maintain the highest degree of professionalism, cultural awareness, responsiveness, and initiative.

In support of SOF operations, specialized intelligence support, cyber support, and integrating capabilities are required that must continually adapt and innovate with both technical and industrial capabilities to meet the warfighter's needs. This creates requirements that are fluid and ever changing throughout the entire mission life cycle. This TO will provide technical, engineering, and subject matter expertise to refine, extend, and evaluate ground, maritime, and airborne Intelligence, Surveillance, and Reconnaissance (ISR) systems, as well as to support ISR enrichment to other sensors and integrated cyber operations activities. This TO will focus on integration and testing and evaluation of System on a Chip (SoC) and other emerging embedded technologies, across the applicable and appropriate ISR systems, to include required communications, cyber security, and information assurance capabilities.

C.1.1 PURPOSE

The purpose of the Joint Capability Embedded Technology Insertion and Integration (JCETII) TO is to expand upon current ISR and cyber capabilities to supply the DoD with leading capabilities and technologies for observation, visualization, and collaboration among tactical, operational, and strategic warfighting echelons. Additionally, to better leverage and integrate capabilities in air, space, and cyberspace, this effort supports SoC integration testing, and evaluation of other emerging embedded technologies to expand US forces' ISR capability. This TO is intended to provide reliable information architectures, cutting edge ISR platforms, and analysis tools. JCETII will enable warfighters to transform information from innovative platforms into intelligence in support of the Combatant Commander missions.

C.1.2 AGENCY MISSION

CISO (A&S) is responsible for ensuring the incorporation of integrated security and cyber efforts within USD (A&S) with the purpose of providing a focused and streamlined governance approach, providing a central coordination point and common compliance standard that serves to synchronize the various existing disparate cyber security efforts and standards across the Department and Industry as it relates to Department of Defense acquisition and sustainment efforts. These efforts include joint and interagency C5ISR, multi-domain command and control, cyber, information technology, and partnership capabilities.

C.2 SCOPE

This effort is to provide CISO (A&S), and its mission partner's, adaptation, innovation, and emerging capabilities to enhance and expand existing ISR capabilities. Specifically, this effort will integrate, test and evaluate SoC (and other emerging embedded technologies) for demonstration and field support for applicable and approved ISR systems and associated cyber security, communications, and information assurance. CISO (A&S)'s mission partners include DoD Combatant Commands/Services/Agencies performing ISR in support of Special Operations missions and capabilities.

C.3 CURRENT ENVIRONMENT

DoD ISR is exquisitely equipped to operate in permissive environments. However, the President, Secretary of Defense, Chairman of the Joint Chiefs of Staff, and Chief of Staff of the Air Force have all directed the transformation of the force to one more suited to win the nation's wars in contested or highly contested environments. Key to maintaining the ability to operate in both permissive and contested environments is the appropriate mix of personnel, manned platforms/sensors, and remotely piloted aircraft. Air, land, maritime, space, human, and cyber sensors must be able to penetrate denied space, survive to operate, and provide required levels of persistence. The challenge is to integrate these sensors through a robust information architecture that allows highly trained multi- and all-source analysts to rapidly access and analyze all pertinent data and deliver it quickly to the warfighter and decision makers. DoD ISR Processing, Exploitation, and Dissemination (PED) capability has evolved considerably over the last decade. To continue the maturation, there is the need to break the linear relationship between collection and analysis, where every increment of additional collection capacity requires a proportionate increase in analytical manpower. Tied to ISR and PED systems, the fastest-growing military capabilities are in cyberspace. Activities in this human-created domain are familiar to all, but lesser known is the fact that they evolved from ISR activities dating to the 1980s. By 2023, ISR and cyber forces will be an integral partner to the joint team that operates in cyberspace to meet joint force commander and national needs. The highly complex strategic environment of 2023 will require robust multi- and all-source analysis. It will demand focus on all phases of the intelligence cycle and capability to perform in all phases of conflict.

Additionally, information-age technology is advancing at a stunning pace, yielding increasingly common information architectures, data accessibility, and knowledge management—all of which have created the conditions for a leap in intelligence processes. Whether it is labeled as "big data," data mining, Activity-Based Intelligence (ABI), or Object-Based Production (OBP), the vast amount of information that DoD collects demands a transformation in the way DoD processes, organizes, and presents data. To optimize limited manpower and resources, DoD will develop a new ISR force presentation model to ensure a standard, repeatable process that results in effective and efficient delivery of focused, actionable, and timely analysis from our federated fusion, Signal Intelligence (SIGINT), Geospatial Intelligence (GEOINT), and Human Intelligence (HUMINT) enterprise; provide the opportunity to reset and reconstitute forces; and finally, DoD will develop and deploy analysis architecture and tools to better automate, visualize, collaborate, and integrate analysis and exploitation. The most important and challenging part of this analysis and exploitation revolution is the need to shift to a new model of intelligence analysis and production. The growing complexity of the data DoD collects along with the sheer quantity of data has obviated the traditional linear model of production. The new

model treats all intelligence collection as sources of meta-tagged data accessible across multiple domains, organizational, and security divides from which analysts— trained in all-source techniques and methods—can discover, assess, and create relevant knowledge for commanders and decision makers at all levels.

Islamic State of Iraq and the Levant (ISIL), other Violent Extremist Organization (VEO), and near-peer strategic operations are utilizing rapidly changing communications equipment and protocols (coupled with Tactics, Techniques, and Procedures (TTP)) that have decreased the DoD's ability to find, fix, track, target, execute, and assess. This comprises a general operational deficiency area called Modern Signals Collection and Direction Finding (MSCDF). To counter these adversary capabilities, rapid reprogrammable payloads and quick reaction integration and test is a requirement for newly developed and delivered ISR systems. SoC and applicable embedded system development will ensure collection flexibility, interoperability, and rapid integration on both manned and unmanned platforms given achieved lower size, weight, and power. This will enable rapid integration of capabilities in theater, enabling the potential to reposition platforms and modify mission sets (to counter adversary evolution) across different Areas of Responsibility. SoC will further improve the security posture of these ISR systems through enabling single chip encryption while ensuring no cross contamination of data between sensitive processes.

C.4 OBJECTIVE

The objective of the JCETII program is to provide the DoD with operational support, integration of developed capabilities, and research in the areas of remote sensing, communications, and cyber operations and security. JCETII tasking is focused on the integration and coordination of systems and subsystems for remote sensing, ISR data collection, analysis, and dissemination, as well as for continuous ISR during execution and after-action assessment. JCETII shall provide cost-effective integration and operations of emerging technologies and leverage expertise in research, engineering, science, technology, rapid prototyping, technical development, advisory support, integration, and operational support for a mix of manned and remotely piloted platforms. Specifically, the contractor shall evaluate, develop, test, and integrate new technologies for operational support for applicable and approved ISR systems and associated cyber security, communications, and information assurance.

C.5 TASKS

CISO (A&S) priorities are heavily contingent on activity which is primarily driven by war, terrorism, and/or threat situations and can change depending on the nature of intelligence received. As the global dynamics shift and U.S. priorities within the SOF mission area shift, the contractor must adapt. The following tasks are intended to cover the scope of work that CISO (A&S) anticipates for JCETII. Specific work products within the work scope may shift based on our Mission partner needs. Specific work products will be further defined by CISO (A&S)-Mission Partners through the JCETII Project Requirements Document (PRD). A Sample PRD can be found in **Section J, Attachment** Z

Below is as summary of the Tasks associated with Section C.

a. Task 1 – Provide Program Management
b. Task 2 – Provide Engineering Services

c. Task 3 – Provide Integration Support
d. Task 4 – Provide Modeling and Simulation for Assessment
e. Task 5 - Command, Control, Communications, Computing, Combat Systems ISR (C5ISR) Systems Integration and Networking
f. Task 6 - Provide Field Engineering Support (Experimentation, Integration, and Operations Support)
g. Task 7 - Provide Test and Validation
h. Task 8 – Provide Education, Training, and Tactics, Techniques, and Procedures (TTP) Development Services

C.5.1 TASK 1 – PROVIDE PROGRAM MANAGEMENT

The contractor shall provide program management support under this TO. This includes the management and oversight of all activities performed by contractor personnel, including subcontractors, to satisfy the requirements identified in this SOW.

Much of the work performed under this TO will consist of multiple projects, sponsored by one or more of the organizations that CISO (A&S) supports. The contractor shall provide project management to each individual effort, while also providing integrated program management to the entire scope of work under Section C.

C.5.1.1 SUBTASK 1.1 – ACCOUNTING FOR CONTRACTOR MANPOWER REPORTING

The contractor shall report ALL contractor labor hours (including subcontractor labor hours) required for performance of services provided under this TO for the CISO (A&S) via a secure data collection site: the System for Award Management (SAM). The contractor shall completely fill in all required data fields using the following web address: https://sam.gov/SAM/.

Reporting inputs will be for the labor executed during the PoP during each Government Fiscal Year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year.

Contractors may direct questions to the support desk at: https://sam.gov/SAM/.

Contractors may use Extensible Markup Language (XML) data transfer to the database server or fill in the fields on the website. The XML direct transfer is a format for transferring files from a contractor's systems to the secure web site without the need for separate data entries for each required data element at the website. The specific formats for the XML direct transfer may be downloaded from the web.

C.5.1.2 SUBTASK 1.2 – COORDINATE A PROJECT KICK-OFF MEETING

The contractor shall schedule, coordinate, and host a Project Kick-Off Meeting at the location approved by the Government (**Section F.3, Deliverable 02)**. The meeting will provide an introduction between the contractor personnel and Government personnel who will be involved with the TO. The meeting will provide the opportunity to discuss technical, management, and security issues, and travel authorization and reporting procedures. At a minimum, the attendees shall include Key contractor Personnel, representatives from the CISO (A&S) and CISO (A&S)

customer directorates, other relevant Government personnel, and FEDSIM Contracting Officer's Representative (COR).

At least three days prior to the Kick-Off Meeting, the contractor shall provide a Kick-Off Meeting Agenda (**Section F.3, Deliverable 01**) for review and approval by the FEDSIM COR and the CISO(A&S) Technical Point of Contact (TPOC) prior to finalizing. The agenda shall include, at a minimum, the following topics/deliverables:

a. Points of Contact (POCs) for all parties
b. Program management discussion including schedule, tasks, etc.
c. Personnel discussion (i.e., roles and responsibilities and lines of communication between contractor and Government)
d. Staffing Plan and status
e. Transition-In Plan (**Section F.3, Deliverable 12**) and discussion
f. Security discussion and requirements (i.e., building access, badges, Common Access Cards (CACs)
g. Invoicing requirements

The Government will provide the contractor with the number of Government participants for the Kick-Off Meeting and the contractor shall provide sufficient copies of the presentation for all present.

The contractor shall draft and provide a Kick-Off Meeting Minutes Report (**Section F.3, Deliverable 03**) documenting the Kick-Off Meeting discussion and capturing any action items.

C.5.1.3 SUBTASK 1.3 – PREPARE A MONTHLY STATUS REPORT (MSR)

The contractor shall develop and provide an MSR (**Section J, Attachment F**) (**Section F.3, Deliverable 04**). The MSR shall include the following:

a. Activities during reporting period, by task (include on-going activities, new activities, activities completed, and progress to date on all above-mentioned activities). Each section shall start with a brief description of the task.
b. Problems and corrective actions taken. Also include issues or concerns and proposed resolutions to address them.
c. Personnel gains, losses, and status (security clearance, etc.).
d. Government actions required.
e. Schedule (show major tasks, milestones, and deliverables; planned and actual start and completion dates for each).
f. Summary of trips taken, conferences attended, etc. (attach Trip Reports to the MSR for reporting period).
g. Accumulated invoiced cost for each CLIN up to the previous month.
h. Projected cost of each CLIN for the current month,
i. Progress towards small business utilization.

j. Project cost reporting. Accumulated and projected cost for each project in terms of labor categories, hours, and ODCs.
k. An updated schedule and Work Breakdown Structure (WBS) for each independent prototype or training project.

C.5.1.4 SUBTASK 1.4 – CONVENE TECHNICAL STATUS MEETINGS

The contractor PM shall convene a monthly Technical Status Meeting with the CISO (A&S) TPOC, FEDSIM COR, and other Government stakeholders (**Section F.3, Deliverable 05**). The purpose of this meeting is to ensure all stakeholders are informed of the monthly activities, provide project status and MSR, provide opportunities to identify other activities and establish priorities, and coordinate resolution of identified problems or opportunities. The contractor PM shall provide minutes of these meetings, including attendance, issues discussed, decisions made, and action items assigned, to the FEDSIM COR (**Section F.3, Deliverable 06**).

C.5.1.5 SUBTASK 1.5 – PREPARE A PROGRAM MANAGEMENT PLAN (PMP)

The contractor shall document all support requirements in a PMP. The contractor shall provide the Government with a draft PMP (**Section F.3, Deliverable 07**) on which the Government will make comments. The final PMP (**Section F.3, Deliverable 08**) shall incorporate the Government's comments.

The PMP shall:

a. Describe the proposed management approach.
b. Contain detailed Standard Operating Procedures (SOPs) for all tasks.
c. Include milestones, tasks, and subtasks required in this TO.
d. Provide for an overall WBS with a minimum of three levels and associated responsibilities and partnerships between Government organizations.
e. Describe in detail the contractor's approach to risk management under this TO.
f. Describe in detail the contractor's approach to communications, including processes, procedures, communication approach, and other rules of engagement between the contractor and the Government.
g. Contain a QCP

C.5.1.6 SUBTASK 1.6 – UPDATE THE PMP

The PMP is an evolutionary document that shall be updated annually at a minimum (S**ection F.3, Deliverable 09**). The contractor shall work from the latest Government-approved version of the PMP.

C.5.1.7 SUBTASK 1.7 – LESSONS LEARNED REPORTS

The contractor shall submit lessons learned reports (**Section F.3, Deliverable 10**), as requested by the CISO (A&S) TPOC and FEDSIM COR via email, to document any lessons learned during TO execution. The lessons learned reports shall:

a. Identify the activity or experience.
b. Identify the problem or success.

c. Describe the impact of the problem or success.
d. Provide a recommendation to the problem or success.

Lessons learned reports shall be submitted to the Joint Staff lessons learned database in the correct format. Service components will also submit lessons learned to the service lessons learned database using the format outlined by the database.

C.5.1.8 SUBTASK 1.8 – PREPARE TRIP REPORTS

The Government will identify the need for a Trip Report when the request for travel is submitted (**Section F.3, Deliverable 11**). The contractor shall keep a summary of all long-distance travel including, but not limited to, the name of the employee, location of travel, duration of trip, and POC at travel location. Trip reports shall also contain Government approval authority, total cost of the trip, a detailed description of the purpose of the trip, and any knowledge gained. At a minimum, trip reports shall be prepared with the information provided in **Section J, Attachment G**.

C.5.1.9 SUBTASK 1.9 – UPDATE BASELINE QUALITY CONTROL PLAN (QCP)

The contractor shall update the QCP submitted with its proposal and then provide a final baseline QCP as required in Section F (**Section F, Deliverable 19)**. The contractor shall periodically update the QCP, as required in Section F (**Section F.3, Deliverable 20**), as changes in program processes are identified.

Within the QCP, the contractor shall identify its approach for providing quality control in meeting the requirements of the TO. The contractor's QCP shall describe its quality control methodology for accomplishing TO performance expectations and objectives. The contractor shall fully discuss its validated processes and procedures that provide high quality performance for each Task Area. The QCP shall describe how the processes integrate with the Government's requirements.

C.5.1.10 SUBTASK 1.10 – TRANSITION-IN

The contractor shall provide a Transition-In Plan as required in Section F (**Section F.3, Deliverable 12**). The contractor shall ensure that there will be minimum service disruption to vital Government business and no service degradation during and after transition. The contractor shall implement its Transition-In Plan No Later Than (NLT) five Government workdays after award, and it is expected that all transition activities shall be completed 90 calendar days after contract award, unless otherwise directed by the Government. (Section F, Deliverable 12).

C.5.1.11 SUBTASK 1.11 – TRANSITION-OUT

The contractor shall provide transition-out support when required by the Government. The Transition-Out Plan shall facilitate the accomplishment of a seamless transition from the incumbent to an incoming contractor/Government personnel at the expiration of the TO. The contractor shall provide a draft Transition-Out Plan within six months of TO award. The Government will work with the contractor to finalize the Transition-Out Plan (**Section F.3, Deliverable 13**). Additionally, the Transition-Out Plan shall be reviewed and updated quarterly during the final Option Period (**Section F.3, Deliverable 13**).

In the Transition-Out Plan, the contractor shall identify how it will coordinate with the incoming contractor and/or Government personnel to transfer knowledge regarding the following:

a. Program management processes.
b. POCs.
c. Location of technical and program management documentation.
d. Status of ongoing technical initiatives.
e. Appropriate contractor-to-contractor coordination to ensure a seamless transition.
f. Transition of Key Personnel.
g. Schedules and milestones.
h. Actions required of the Government.
i. Transition of individual projects.

The contractor shall also establish and maintain effective communication with the incoming contractor/Government personnel for the period of the transition via weekly status meetings or as often as necessary to ensure a seamless Transition-Out.

The contractor shall implement its Transition-Out Plan NLT six months prior to expiration of the TO. Implementation of Transition-Out Plan should not be less than six months prior to the end of the TO.

C.5.2 TASK 2 – PROVIDE ENGINEERING SERVICES

The contractor shall provide engineering support to advance the objectives using sound engineering processes. This includes assessing the applicability and suitability of SoC integration in support of applicable ISR, SOF, and cyber mission sets.

An integral part of developing technologies is the process of discovering the technological principles of a device, object, or system through analysis of its structure, function, and operation. Systems engineering and analysis shall include the analysis of technologies and capabilities to identify alternatives to improving systems engineering disciplines in the design, development, and deployment ISR and cyber systems. These analyses shall focus on creating a complete illustration of a system's current state, including operations and performance (**Section F.3, Deliverable 16**).

a. Analyze mission needs statements, requirements concepts, integration and interoperability of selected technologies, systems, services, standards, and combinations thereof in order to identify potential design changes to legacy and emerging systems that may provide operational effectiveness and efficiency benefits.
b. Conduct AoA and evaluate the effectiveness, efficiency, and applicability of technologies and approaches in operational applications and assess standards, procedures, and practices for developing, fielding, and supporting operational use by warfighters. This includes assessing the applicability and suitability of SoC integration in support of applicable mission sets.
c. Facilitate cooperation among key Government stakeholders, decision-makers, and emerging technologies developmental planning teams to define technology applications, transition opportunities, and common strategic goals and objectives for new or improved

communication technologies to meet requirements and milestones. Report on these synergies between stakeholders and provide project plan options for Government review and approval.

d. Identify emerging trends, "state-of-the-art" technologies, markets, practices, services, systems, and standards that improve persistent communication capabilities and operational effectiveness while achieving fiscal and technological cost reductions.
e. Develop recommendations, Concepts of Operations (CONOPS), and/or TTPs for the transition, operational integration, and sustainment available communication technology prototypes concepts, applications, and services.
f. Ensure engineering supports the IC TTPs in support of intelligence collection, exploitation, analysis, and dissemination. Develop unique collection, exploitation, analysis, and reporting of Publicly Available Information (PAI) systems to support the IC.
g. Develop innovative systems for intelligence collection, analysis, production, and dissemination of heretofore unmonitored/unexploited client-directed communications.
h. Engineering support studies to include spectrum operations in a contested environment, human factors, and operational reliability.

C.5.2.1 SUBTASK 2.1 – PROVIDE ENGINEERING PROTOTYPE CAPABILITY

The contractor shall implement and test custom capabilities as defined in this contract to meet mission-driven requirements through the use of prototypes. The contractor shall provide full documentation describing the developed prototype from an operational, engineering and licensing perspective (**Section F.3, Deliverable 30)**. The scope of these prospective tasks may include, but are not limited to:

a. Prototyping of SoC into applicable ISR sensors, communications, cyber and onboard front-end processing systems.
b. Integration of Commercial Off-the-Shelf (COTS) and Government-provided equipment for compatibility with the host platform and secured availability requirements.
c. Repackaging equipment to meet platform physical constraints.
d. Environmental hardening of COTS and Government equipment for the deployment environment.
e. Integrating diverse Government sensors and collection equipment to perform a new mission.
f. Auxiliary equipment to adapt to host platform interfaces for power, communications, and sensor inputs/outputs.
g. Creating interface devices to enable communication between systems with disparate or proprietary interfaces.
h. Adapting systems to function via remote control over a data link.

C.5.3 TASK 3 – PROVIDE INTEGRATION SUPPORT

System integration support encompasses all of the engineering activities necessary to integrate onto an operational platform and transition it to a mission-ready operational state and/or readiness for test and evaluation. It also includes integration of system support equipment into the Government's infrastructure and verifying the end-to-end capability.

The contractor shall provide engineering to support adaptation and development of state-of-the-art software for integration, exploitation, processing, autonomy, fusion, and control of on- and off-board sensors and data sources for airborne, surface, and ground-based installations and sensing platforms. Based on mission need and gap analysis, the contractor shall execute integrations from conceptualization through operationalization and fielding, utilizing a rapid, spiral-based approach to provide maximum speed-to-field and observability throughout the process.

The contractor shall provide integration support for SoC such that engineered technologies are usable within the appropriate platform and/or state. Specific system integration support tasks may include, but are not limited to:

a. Site surveys, engineering planning, and design support for new installations.
b. Installation and integration of payloads on manned and Unmanned Aerial Vehicles (UAVs).
c. Installation and testing of data links and communications networks to provide connectivity between payloads, operators, and end users.
d. Integration testing to ensure compatibility with the host platform and to satisfy safety certification requirements of the platform operator.
e. End-to-end testing and evaluation of payloads and systems in accordance with approved test plans and procedures.
f. Assisting the Government with the planning and conduct of Operational Readiness Exercises.
g. Conducting readiness and acceptance reviews as proposed and agreed upon at the Kick-Off Meeting.
h. Maintenance and repair of equipment and systems during field integration and testing activities.
i. Prepare and deliver integration documentation in accordance with its best practices. The contractor shall use a configuration management process to track changes in the supporting documentation and equipment configuration.
j. Working directly with stakeholders to clearly identify and define target Command and Control (C2) centers, sensing platforms, and warfighting areas of interest.
k. Performing site surveys of target C2 centers and sensing platforms, capturing and documenting current gaps and mission and integration requirements, and developing plans of action for iterative capability development and deployment (**Section F.3, Deliverable 31)**.
l. Combination of fully Government-owned mission system software, such as the Minotaur Mission System (MMS), Project Maven capabilities, and existing operational systems

and software to produce the maximum mission effectiveness improvement within budget and timeline constraints.

m. Capacity to incorporate the full spectrum of machine learning capabilities wherever appropriate to the processing, exploitation, and fusion need.

n. Producing a fused, common, coherent picture within the domains targeted by each platform/mission.

C.5.3.1 SUBTASK 3.1 – GAP ANALYSIS, REQUIREMENTS DEFINITION, AND INITIAL SOLUTION DESIGN

The contractor shall provide the Government a cross-functional team who possess skills in ISR systems design and software development, including sensor processing, exploitation, fusion, advanced C2, machine learning, human-machine interface competencies. Each task shall require this team to convene with the customer and/or designated operational personnel to roadmap and provide specifications for the build or integration. Subject to all platform- and effort-specific constraints, the contractor shall address the following during this phase:

a. Mission need and capability gap studies **(Section F.3, Deliverable 32)**

b. Existing physical and network infrastructure and hardware and software capability identification.

c. Interface protocols.

d. Platform configuration requirements.

e. Systems Requirements Document and test planning.

f. Interface control documentation.

g. Identification and procurement of required data elements, including identification and execution of any data collection required to support the effort.

h. Solution hardware requirements.

i. COTS/Government-Furnished Property (GFP) interface/integration documentation.

C.5.3.2 SUBTASK 3.2 – SOFTWARE DEVELOPMENT

The contractor shall provide a complete solution including software to carry out specific mission requirements. The contractor shall develop any software necessary, build application interfaces and/or perform configurations to integrate commercial off-the-shelf software or Government-off-the-shelf software, in order to provide the necessary software functionality required. Development shall be conducted in iterative design/develop/field spirals in coordination with the needs and availability of the effort platforms/sites. The contractor shall provide full operational and system documentation of all developed software (**Section F.3, Deliverable 33)**.

Where possible, the contractor shall utilize existing Development and Operations (DevOps) system environments and support the integrated capability within that environment (such as the Systems for High-performance & Accelerated Global Intelligence (SHAGI) network environment). If sufficient DevOps environments do not meet the requirements for the capability to be integrated, the contractor shall manage, maintain, and operate those DevOps environments. DevOps environments provide developer and end user collaboration through shared resources (manpower, infrastructure, innovations, etc.) and enables activities or programs via a high-

performance environment with access to unique ISR data. The contractor shall support activities like Data-to-Decision (D2D) Experimentation that requires data not yet available within current DoD infrastructure. Contractor tasking required to support the environment include the logistics of clearing equipment for installation in the environment, preparing devices for installation, and executing the installation and ultimate configuration of devices such as network switches, servers providing high speed data processing and network protocol services, data storage devices, cross domain interfaces and security firewalls, and data acquisition devices.

The contractor shall integrate hardware and software to support projects that provide Full-Motion Video (FMV) and still imagery to diverse DoD cross-functional teams. The integration shall support:

a. Data labeling project.
b. Expansion of computation capability.
c. Continuous algorithm training, testing, and validating.
d. Integration of Artificial Intelligence (AI).

These subject areas shall require constant updates to PED Programs of Record across the Military Services, SOF, and Combat Support Agencies. The integration is to enhance intelligence support to the warfighter by increasing automation and augmentation of FMV and PED exploitation.

Successful D2D experiments require access to data not normally accessible to the research and development community. The contractor shall build a trusted relationship with the owners of the data. The contractor shall show and have experience with the processes that provide assurances to the security of the data.

C.5.3.3 SUBTASK 3.3 – TESTING AND INTEGRATION

Where appropriate, the contractor shall utilize available simulation and System Integration Lab (SIL) capabilities of Government, services, and system vendors to provide the maximum test assurance at minimum overall cost to the customer. Where possible, a spiral improvement methodology to the developed system shall be installed in a Continuous Deployment (CD) fashion, allowing the new software to operate in parallel with the live, tested system. This will allow the contractor and operational personnel to execute test procedures in an environment like the operational environment without any risk to the live system. In cases where this is impractical (e.g., airborne platforms), ground and (as appropriate to the effort) flight testing shall be executed as necessary to properly stimulate the system for test assurance.

The contractor shall provide integration capability in Government/vendor SIL's (where appropriate) and at all relevant platforms/sites. The contractor shall provide staff that have direct experience on airborne platforms to provide training and unique patching specific to a mission set. Training materials and troubleshooting manuals for turnkey operations shall be provided along with all operational software deliveries (**Section F.3, Deliverable 34)**

C.5.3.4 SUBTASK 3.4 – CYBER ENGINEERING AND INTEGRATION OF TOOLS

The contractor shall provide cyber engineering support to harden, update, and maintain developed ISR systems based on CISO (A&S) mission partner requirements. The requested cyber improvements may include the following:

- Network security upgrades
- System Hardening
- Security component software additions and improvements

The contractor shall also provide engineering support to integrate changes with the applicable CISO (A&S) mission partner's Information Assurance process. The Contractor shall provide accreditation support and appropriate cyber and analytic tools based on the Risk Management Framework (RMF). The Contractor shall apply sound security management processes throughout the applicable system lifecycle to identify, implement, assesses, and monitor all applicable security controls. Applicable security support will be detailed in the Project Requirements Document based on the needs of the CISO (A&S) Mission Partner (**Section J, Attachment Z**). The Contractor shall assist in the development of all RMF artifacts required. The contractor shall also support the integration of ISR platform data into cyber and big-data decision tools in order to enhance the Government's ability to give Combatant Commanders appropriate situational awareness of connected ISR platforms and assets.

C.5.4 TASK 4 – PROVIDE MODELING AND SIMULATION (M&S) FOR ASSESSMENT

The contractor shall provide M&S expertise for the purpose of identifying new engineering tools and environments, technology, techniques, methodology, software, and environments and will ultimately enhance systems supporting ISR, SOF, and cyber operations. The contractor shall conduct research and analysis to develop M&S and analytical reports to enhance tactical and strategic survivability and lethality decisions via quantitative and qualitative techniques. The contractor shall utilize operations research methodologies, statistical analysis, and simulation tools to analyze system alternatives and develop recommendations in terms of mission effectiveness, vulnerability, and cost.

The contractor shall use the developed M&S to perform preliminary evaluations of engineered solutions to validate objectives are being met. Examples of M&S activities shall include:

a. Prediction and analysis of prototype system performance **(Section F.3, Deliverable 39),** both without and with SoC integrated.

b. Determination of capabilities and limitation of existing systems.

c. Determination of systems and performance.

d. Modeling and simulation of sensors and antennas.

e. Prediction of communication coverage.

f. Analysis of circuit and system performance.

C.5.4.1 SUBTASK 4.1 – SCENARIO DEVELOPMENT AND ALTERNATE COURSE OF ACTION ANALYSIS

War-gaming scenarios are created for COCOM and Title 10 stakeholders to guide and inform operational insights for strategy, planning, operations, capabilities development, and operational concepts. As a result of planned and delivered JCETII capabilities, the contractor shall provide support for development, and analysis of, scenarios including Red War Plan Derivation and Emergency Course of Action (ECOA) Development; Joint and Service Operational Concepts; COCOM Crisis Action Planning Options – Current Operations/Future Plans; Functional COCOM Domain-Specific Scenarios (Cyber/Space); and Critical Factors Analysis for vulnerability insights to orient campaign design.

The contractor shall provide Subject Matter Experts (SMEs) to attend exercises, events, and on-demand executive assessments for elements of these scenarios as follows.

a. Recommend and assist the Government in the identification and training of the appropriate industry/military/academic experts to participate in developed scenarios. Develop an organizing principle for scenario development consistent with COCOM priorities.
b. Support quantitative and qualitative AoA (**Section F.3, Deliverable 38)** courses of actions and impacts on scenarios that integrate emerging or potential capabilities at the operation and campaign levels.
c. Explore and research more responsive technologies to leverage emulations during crisis action planning.

C.5.4.2 SUBTASK 4.2 – MODELING AND SIMULATION (M&S) SUPPORT FOR STRATEGY AND PLANNING

The contractor shall support campaign-level and operation-level live, virtual, and/or constructive emulations and simulations of the scenarios as follows:

a. Develop M&S capabilities and infrastructure to support planning scenarios **(Section F.3, Deliverable 37)**
b. Support model development and inputs for mod/sim tools used by the joint planning community for campaign and operations analysis including, but not limited to, Synthetic Theater Operations Research Model (STORM) and Joint Theater Simulation-Global Operations (JTLS-GO).
c. Integrate Organizational Engineering (OE) tools for holistic assessments to provide operational insights for planners and capability/concept developers.
d. Develop requirements and implement custom tools for quantitative emulation support for war planning that provide data capture, analyses, and visualization of tasks and relationships in time and space.
e. Develop analysis capabilities for constructive simulations specific to scenario objectives, analyze constructive simulation outputs, and provide reports with additional scenario-specific insights.

C.5.5 TASK 5 – COMMAND, CONTROL, COMMUNICATIONS, COMPUTING, COMBAT SYSTEMS ISR (C5ISR) SYSTEMS INTEGRATION AND NETWORKING

The contractor shall integrate C5ISR technologies support to respond to emerging capability needs. The contractor shall provide engineering integration to support the implementation of embedded hardware and software technologies. The emphasis shall span all aspects of C5ISR which include SIGINT, Electronic Warfare (EW) and Spectrum Operations. As a minimum, each effort shall require the following functional steps, and the integration process shall possess attributes that support the Quick Reaction Capability (QRC) aspects in support of the mission.

C.5.5.1 SUBTASK 5.1 – REQUIREMENTS ANALYSIS

The contractor shall assist the Government by supporting documentation and refinement of Government stakeholder expectations including operational needs and current operational scenarios for collection, PED of ISR data, and the development and maintenance of a common operating system.

Working with broad Government requirements, the contractor shall provide documentation, refinement definition process and analysis of the unit and system-level requirements; this shall include the identification and decomposition of system requirements, system architecture, interfaces and interactions, system boundaries and associated external systems, humans, and/or products such as the Joint Range Extension Applications Protocol C (JREAP C) for Link 16 data, Distributed Common Ground Station nodes, and Classic Reach distributed operations.

The contractor shall develop a Systems Engineering Management Plan (SEMP) (**Section F.3, Deliverable 17**) that implements the program Systems Engineering Plan (SEP) and defines the contractor's technical approach and proposed plan for the conduct, management, and control of the integrated systems engineering effort for integration of ISR technologies on manned and unmanned platforms. The SEMP shall provide the framework for definition and documentation of:

a. Approved specifications and baselines developed from prior applications of the SEP.
b. Engineering and technical plans (data management plan and dissemination).
c. Team assignments and structure.
d. Automated tools availability or approval for use (system modeling tools and requirements management tools, including team training on toolset and toolset deployment).
e. Control mechanisms, including working group and Systems Engineering, Integration, and Test (SEIT) board membership.
f. Required metrics for measuring technical progress.
g. Reuse and COTS.
h. Management decisions from preceding technical reviews and development.
i. Enterprise general specifications, standards, or guidelines.
j. External policies and procedures.
k. External domain technologies.
l. Established life cycle process capabilities.

m. Physical, financial, and human resource allocations to the technical effort.
n. The technology base applicable to the technical effort.
o. Industry, international, and other general specifications, standards, and guidelines.
p. Human-related specifications, standards, and guidelines.
q. Human availability, recruitment, and selection to support the integrated ISR technologies on manned and unmanned platforms.

The contractor shall support the definition of the Government's functional requirements and performance requirements (to ensure all interfaces and interactions are identified and considered in the design), modes of operation, Measures of Performance (MOP), Measures of Effectiveness (MOE), design characteristics, and human factors requirements.

Under direction of the Government, The contractor shall establish a requirements baseline using a requirements database that supports requirements change configuration, requirements change tracking, and requirements traceability through multiple specifications.

The contractor shall develop and maintain model-based system engineering views utilizing the Department of Defense Architectural Framework (DoDAF), specification documentation, and CONOPS documents that describe how ISR technologies shall be integrated on manned and unmanned platforms.

C.5.5.2 SUBTASK 5.2 – REQUIREMENTS VALIDATION

The contractor shall support preparation and presentation of material for requirements validation through reviews such as a Systems Requirements Review (SRR) (**Section F.3, Deliverable 16**). Requirements validation shall compare requirements to stakeholder and user needs, enterprise, project, and external constraints and shall identify and resolve variances and conflicts.

C.5.5.3 SUBTASK 5.3 – FUNCTIONAL ANALYSIS

The contractor shall conduct functional analysis of requirements to ensure all functions are mapped to the proper components to support development and integration of ISR technologies on manned and unmanned platforms and establish a functional architecture (**Section F.3, Deliverable 36)** for this integration. The contractor shall analyze functional behaviors, define functional interfaces, and allocate performance requirements. The contractor shall define sub-functions, sub-function states and modes, functional timelines, data and control flows, functional failure modes and effects, and safety-monitoring functions.

C.5.5.4 SUBTASK 5.4 – FUNCTIONAL VERIFICATION

The contractor shall support verification of defined functional architectures during stakeholder reviews, including a System Functional Review (SFR) (**Section F.3, Deliverable 21**), to verify architecture maturity, functional and performance measures, and satisfaction of constraints. The contractor shall support identification and resolution of variances and conflicts and establish a verified functional architecture baseline.

C.5.5.5 SUBTASK 5.5 – SYNTHESIS

The contractor shall synthesize system/subsystem architectures and designs to support the integration of ISR technologies on manned and unmanned platforms. The contractor shall

identify design solution alternatives. For these alternatives, the contractor shall assess safety and environment hazards, life cycle quality factors, and technology requirements. The contractor shall define design and performance characteristics and physical interfaces. The contractor shall identify standardization opportunities, off-the-shelf availability, and analyze alternative solutions. The contractor shall develop models and fabricate prototypes to validate design alternatives and, when necessary, perform trades studies and AoA to ensure that all feasible engineering options are explored. (**Section F.3, Deliverable 27**) The contractor shall assess failure modes, effects, and criticality, testability needs, and design capacity to evolve. The contractor shall develop a final design architecture and produce an integrated design data package. The contractor shall develop recommendations, CONOPS and/or TTPs for the transition, operational integration, and sustainment of identified designs in ISR-manned and unmanned platforms. (**Section F.3, Deliverables 28 and 29**).

C.5.5.6 SUBTASK 5.6 – DESIGN VERIFICATION

The contractor shall support verification of designs and architectures for integration of ISR technologies on manned and unmanned platforms. During preliminary and detailed design stages, the contractor shall support preparation for and conduct of technical design reviews such as a Preliminary Design Review (PDR) and Critical Design Review (CDR) (**Section F.3 Deliverable 22**). The contractor shall support identification and resolution of variances and conflicts.

C.5.5.7 SUBTASK 5.7 – SYSTEM ANALYSIS

The contractor shall define and conduct trade studies, including AoA, to evaluate alternative designs and architectures for ISR technology integration on manned and unmanned platforms to support QRC to respond to emerging capability needs.

The contractor shall define analysis scope and functional alternatives, identify design and development risk factors and risk handling options, and assess requirement conflicts. The contractor shall define effectiveness and analysis criteria, conduct the assessment of the system and prepare reports on analysis results, including trade-offs and impacts to existing operational systems, CONOPS, and procedures (**Section F.3, Deliverable 23**).

C.5.5.8 SUBTASK 5.8 – CONTROL

The contractor shall develop project plan options, as part of the Project CONOPS (**Section F.3, Deliverable 28**) for technical management of strategic goals and objectives and the collaboration and cooperation between key Government stakeholders, decision makers, technology development teams, and program managers. Such plans shall include, but are not limited to:

a. Requirements management and tracking.
b. Data management.
c. Configuration management.
d. Interface management.
e. Risk management.
f. Performance-based progress measurements.

The contractor shall develop project plan options to track system analysis and verification/test data, requirements and design changes, performance against project plans, performance against technical plans, and product and process metrics.

The contractor shall develop processes and procedures options for the disciplines control and review of updates to specifications and configuration baselines, DoDAF views, technical plans, engineering plans, and technical plans.

The contractor shall develop process and procedure options for the establishment and maintenance of an integrated repository for all program and technical data.

C.5.5.9 SUBTASK 5.9 –– INTEGRATION AND TEST

The contractor shall support planning and execution of activities to integrate and test ISR technologies on manned and unmanned platforms. The contractor shall support development of Test and Evaluation Master Plan (TEMP) documents, Requirements Traceability Verification Matrix (RTVM), and test procedures (**Section F.3, Deliverable 14b**) for integration activities that execute the sequential integration of lower-level elements into functioning and unified higher-level elements to ensure logical and design interfaces are satisfied. The contractor shall support definition of approaches, to include integration and test environments and test support systems that progressively integrate ISR technologies on manned and unmanned platforms from lower-level component subsystems up to and including the total system. The contractor shall define verification methods and procedures that subject system elements are each level to sufficient testing to ensure operational effectiveness, usability, trainability, interface conformance, and conformance with specified requirements, production requirements, and supportability.

C.5.6 TASK 6 – PROVIDE FIELD ENGINEERING SUPPORT (EXPERIMENTATION, INTEGRATION, AND OPERATIONS SUPPORT)

The contractor shall perform engineering functions in support of experimentation, integration, and operations. The contractor shall be required to support the integration of both Government and contractor-owned assets.

C.5.6.1 SUBTASK 6.1 – REQUIREMENTS DEFINITION AND ANALYSIS

The contractor shall take high level Government requirements, and then work closely with the Government to establish system-level requirements to support ISR sensor design, development, integration, and testing.

The contractor shall support the development of an RTVM (**Section F.3, Deliverable 14b**) to ensure all requirements are tracked and traceable throughout (up and down). The contractor shall define all functions and map each back to a requirement. Additionally, the contractor shall define any derived or refined and if required shall develop N-Squared (N2) diagrams to ensure all functions are accounted for and captured. Once the requirements have been fully explored, the contractor shall develop a baseline set of requirements.

The contractor shall use the SEP to develop a unique SEMP for each CISO (A&S) project.

The contractor shall support the definition and documentation of functional and performance requirements, modes of operation, technical performance measures, measures of effectiveness, design characteristics, and human factors requirements.

The contractor shall develop (if required) a model-based systems engineering architectures to assist with cyber certifications and system accreditation. The contractor shall provide skills experienced in the development of DoDAF and Systems Modeling Language (SYSML) architectures on other ISR integration programs. Additionally, the contractor shall identify the internal and external interfaces and interactions to ensure all data flow are considered during design.

To support implementation, all required engineering deliverables (i.e., specifications, drawings, unique publications, training material, and other customer-required documentation) shall be completed.

C.5.6.2 SUBTASK 6.2 – SYSTEM INTEGRATION

The contractor shall ensure all aspects of the integration of system components. In particular the contractor shall provide project management, risk management, systems engineering, and software and hardware development. The contractor shall provide experienced teams and manage the complexities and be responsible for obtaining results given multiple ISR platforms. The contractor shall develop a robust engineering development plan (**Section F.3, Deliverable 35)** that is centered on system maturity and engineering feasibility. The engineering plan shall be developed in accordance with the contractor-provided SEMP, which will be in accordance with the U.S Government's (USG) SEP. If required, the contractor shall develop trades studies to assist the USG in down selections of components. The contractor shall take the customer requirements, identify alternatives, formulate unique selection criteria based upon requirements, define weight criteria, prepare utility functions, and perform sensitivity checks on weighted criteria. The output to the USG shall be a component selection that can be used to execute decisions on system components.

C.5.6.3 SUBTASK 6.3 – TEST AND EVALUATION

The contractor shall develop a TEMP (**Section F.3, Deliverable 14a**) to ensure all Key Performance Parameters (KPPs), MOE, and MOPs are tested and evaluated. The test approach shall be outlined in the TEMP as the team decomposes the system and the subcontractor shall develop unit, functional and system-level test procedures for each system and component. The ultimate goal is to ensure the system is tested from end-to-end and all functions and interactions are working as expected. During testing, the contractor shall perform debug activities (fix, fly, fix) to ensure the warfighter is getting the best capability possible. The output of all test events shall be documented in post-test reports.

To support the quick reaction capability, the contractor shall provide a comprehensive team to support each initiative with a complete solution.

C.5.7 TASK 7 – PROVIDE TEST AND VALIDATION

The contractor shall perform SoC developmental testing on selected military systems, subsystems, platforms, and sensing systems related to ISR and cyber. The testing performed shall take place in realistic operational scenarios and shall meet all testing requirements, such as

percent coverage, specified by the Government. The contractor shall use the RTVM together with other documentation to describe how the ISR system(s) will be tested to demonstrate the desired functionality.

a. The contractor shall generate a sample test report in which the testing results can be documented and provides traceability to the Test Plan (**Section F.3, Deliverable 14a**).
b. The contractor shall prepare a system-level operational test plan and procedure that demonstrates that all hardware and software is developed with the desired system-level functionality (**Section F.3, Deliverable 14a**).

The contractor shall plan and conduct a test and verification process for ISR and cyber capabilities to show that the deliverables are fully compliant with the requirements. The test and verification process shall include software, hardware, SoC, interfaces, Electromagnetic Interference and Electromagnetic Compatibility (EMI/EMC) structural coupon testing of composite material, structural testing of the assembly, and environmental testing such as thermal shock, humidity, temperature, and vibration in accordance with standards as dictated by the platform operator. The Government will provide an aircraft for the test and verification process.

The contractor shall research and develop an optimal process for Test and Evaluation (T&E) of each system, subsystem, platform, or sensing system to be prototyped. This shall require evaluating the testing needs of prototypes and developing appropriate test plans, including plans for field demonstrations and for participating in field exercises. The testing process specified in the plans shall employ realistic operational scenarios and shall meet all testing requirements specified by the Government. The test planning process shall also include designing and developing automated test systems, such as hardware in the loop, and developing test data collection and evaluation methods, such as quantitative and qualitative methods (**Section F.3, Deliverable 14a**).

The contractor shall compile and evaluate the electronic test data produced by the above developmental testing of system, subsystem, and platform prototypes. To facilitate evaluation of the test data, the contractor shall develop documentation of the operational test, such as information flow, of the collection systems and subsystems and sensing systems tested (**Section F.3, Deliverable 15**).

The following airborne test and validation and training support is envisioned as part of this effort in the Africa and Southwest Asia Areas of Responsibility (AORs).

The contractor shall operate a single, or multiple payloads, consisting of Electro-optical (EO), FMV, Radar SIGINT, and/or Light Detection and Ranging (LIDAR) capabilities. The contractor shall furnish the personnel and equipment required to provide the Government with sufficient flight time to meet testing requirements.

C.5.8 TASK 8 – PROVIDE EDUCATION, TRAINING, AND TACTICS, TECHNIQUES, AND PROCEDURES (TTP) DEVELOPMENT SERVICES

C.5.8.1 SUBTASK 8.1 – PROVIDE TRAINING PLATFORMS

As a result of planned and delivered JCETII capabilities, the contractor shall provide appropriate training platforms to support the training and mission objectives. These training platforms shall

be configurable with sufficient infrastructure (for example, to support advanced technical operations courses).

Training platforms may include but are not limited to airframes such as: Gulfstream IV, Beechcraft 350, and Cessna 208B. These platforms are baselined to be contractor provided (government provided may be possible for certain capabilities). The contractor shall operate these platforms in accordance with Section H.20, and as required by the applicable Training Plan (**Section F.3, Deliverable 25**). Training platforms must include the ability to modify sensors, antennas and onboard mission equipment for mission training. Flight time shall be billed under Materials and Equipment (CLIN X003).

Training platforms shall allow for SOF specific load-out and appropriate sensor, communications, and storage packages, and authorization to mount these types of devices.

Configuration of the training platforms shall be documented in a Platform Configuration Plan (**Section F.3, Deliverable 24**).

C.5.8.2 SUBTASK 8.2 – PROVIDE TRAINING AND CERTIFICATION CAPABILITIES

As a result of planned and delivered JCETII capabilities, the contractor shall provide a training capability to operators. This training shall include classroom and field coursework. The training shall include the following:

a. Provide an overall Training Plan (**Section F.3, Deliverable 25**) outlining the training, including training for ISR systems and technology support with and without SoC.
b. Provide applicable technology training at both basic and advanced levels.
c. Provide scenario-based training to include role players and full mission profile activities. Scenarios may include using role players and other personnel to better simulate full mission profile activities.
d. Develop and maintain Support Training Materials (**Section F.3, Deliverable 18**)

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E.1 PROVISIONS INCLUDED BY REFRENCE

This TO incorporates one or more solicitation clauses by reference, with the same force and effect as if they were given in full text. Upon request, the FEDSIM CO will make the full text available. The contract clauses are available in either HTML or PDF format at:

https://www.acquisition.gov/far

FAR	TITLE	DATE
52.246-5	Inspection of Services--Cost-Reimbursement.	(Apr 1984)

E.2 PLACE OF INSPECTION AND ACCEPTANCE

Inspection and acceptance of all work performance, reports, and other deliverables under this TO will be performed by the FEDSIM COR and CISO (A&S) TPOC. Unclassified deliverables will be inspected by email exchange when possible. Classified deliverables will be inspected at CISO (A&S) offices in Crystal City, Virginia or another site designated by the COR.

E.3 SCOPE OF INSPECTION

All deliverables will be inspected for content, completeness, accuracy, and conformance to TO requirements by the FEDSIM COR and the CISO (A&S) TPOC. Inspection may include validation of information or software through the use of automated tools, testing, or inspections of the deliverables, as specified in the TO. The scope and nature of this inspection will be sufficiently comprehensive to ensure the completeness, quality, and adequacy of all deliverables.

The Government requires a period NTE 15 workdays after receipt of final deliverable items for inspection and acceptance or rejection.

E.4 BASIS OF ACCEPTANCE

The basis for acceptance shall be in compliance with the requirements set forth in the TO, and relevant terms and conditions of the contract. Deliverable items rejected shall be corrected in accordance with the applicable clauses.

The final acceptance will occur when all discrepancies, errors, or other deficiencies identified in writing by the Government have been resolved, through documentation updates, program correction, or other mutually agreeable methods.

Reports, documents, and narrative-type deliverables will be accepted when all discrepancies, errors, or other deficiencies identified in writing by the Government have been corrected.

If the draft deliverable is adequate, the Government may accept the draft and provide comments for incorporation into the final version.

All of the Government's comments on deliverables shall either be incorporated in the succeeding version of the deliverable, or the contractor shall explain to the Government’s satisfaction why such comments should not be incorporated.

If the Government finds that a draft or final deliverable contains spelling errors, grammatical errors, or improper format, or otherwise does not conform to the quality assurance requirements stated within this TO, the document may be rejected without further review and returned to the

contractor for correction and resubmission. If the contractor requires additional Government guidance to produce an acceptable draft, the contractor shall arrange a meeting with the FEDSIM COR.

E.5 DRAFT DELIVERABLES

The Government will provide written acceptance, comments, and/or change requests, if any, within 15 workdays (unless specified otherwise in Section F) from Government receipt of the draft deliverable. Upon receipt of the Government comments, the contractor shall have ten workdays to incorporate the Government's comments and/or change requests and to resubmit the deliverable in its final form.

E.6 WRITTEN ACCEPTANCE/REJECTION BY THE GOVERNMENT

The FEDSIM CO/COR will provide written notification of acceptance or rejection (**Section J, Attachment H**) of all final deliverables within 15 workdays (unless specified otherwise in Section F). All notifications of rejection will be accompanied with an explanation of the specific deficiencies causing the rejection.

E.7 NON-CONFORMING PRODUCTS OR SERVICES

Non-conforming products or services will be rejected. Deficiencies shall be corrected, by the contractor, within ten workdays of the rejection notice. If the deficiencies cannot be corrected within ten workdays, the contractor shall immediately notify the FEDSIM COR of the reason for the delay and provide a proposed corrective action plan within ten workdays.

F.1 PROVISIONS INCLUDED BY REFRENCE

This TO incorporates one or more solicitation clauses by reference, with the same force and effect as if they were given in full text. Upon request, the FEDSIM CO will make the full text available. The contract clauses are available in either HTML or PDF format at:

https://www.acquisition.gov/far

FAR	TITLE	DATE
52.242-5	Stop-Work Order (Alternate I)	(Apr 1984)

F.2 PERIOD OF PERFORMANCE

The period of performance for this TO is a one-year base period and four, one-year option periods.

Base Period	September 28, 2018 to September 27, 2019
Option Period 1	September 28, 2019 to September 27, 2020
Option Period 2	September 28, 2020 to September 27, 2021
Option Period 3	September 28, 2021 to September 27, 2022
Option Period 4	September 28, 2022 to September 27, 2023

F.3 PLACE OF PERFORMANCE

Places of Performance are CISO (A&S), Mission Partner and the contractor's location depending on the needs outlined in the Project Requirements Document (**Section J, Attachment Z**). It is anticipated that the contractor shall be required to travel to Continental United States (CONUS) and Outside of Continental United States (OCONUS) locations and that personnel shall be located at CONUS and OCONUS locations. OCONUS locations are located primarily within the US Central Command (USCENTCOM) and US Africa Command (USAFRICOM) AORs.

Long-distance travel is anticipated to be required in support of this effort.

F.3.1 DUTY HOURS

The contractor's normal duty hours shall be the same as the host organization. In accordance with FAR 22.103, a work week in OCONUS areas may be longer than 40 hours. The contractor may be required to provide labor hours in excess of 40 hours per work week to include holiday(s), weekends, and/or during irregular times and shifts based upon operations and exercises which may require support up to 24/7.

F.4 TASK ORDER SCHEDULE AND MILESTONE DATES

The following schedule of milestones will be used by the FEDSIM COR to monitor timely progress under this TO.

The following abbreviations are used in this schedule:

DEL: Deliverable

IAW: In Accordance With

NLT: No Later Than
TOA: Task Order Award
All references to days: Government Workdays

Deliverables are due the next Government workday if the due date falls on a holiday or weekend.

The Government Rights in Data for all deliverables listed in the table below is Defense Federal Regulation Supplement (DFARs) 252.227-7013, 252.227.7014, and 252.227.7015.

Data Rights Clause - Abbreviations in the Gov't Rights column of the table below shall be interpreted as follows:

UR: Unlimited Rights, per DFARs 252.227-7013, and 252.227-7014

URS: Unrestricted Rights per DFARS 252.227-7015

For software or documents that may be either proprietary COTS or custom, Restricted Rights Data may apply to proprietary COTS software or documents and UR rights apply to custom software or documents. The Government asserts UR rights to open-source COTS software. The Government does not assert any rights to management software tools if the contractor does not plan to charge the Government directly for that tool and does not propose that the Government will own or use that tool.

The contractor shall deliver the deliverables listed in the following table on the dates specified:

DEL. #	MILESTONE/ DELIVERABLE	CLIN	TOR REFERENCE	DATE OF COMPLETION/ DELIVERY	Data Rights Clause
	Project Start (PS)			At TOA	N/A
01	Kick-Off Meeting Agenda	0001	C.5.1.2	Within 5 workdays of TOA	UR/ DFARs 252.227-7013
02	Kick-Off Meeting	0001	C.5.1.2	Within 10 workdays of TOA	UR/ DFARs 252.227-7013
03	Kick-Off Meeting Minutes Report	0001	C.5.1.2	Within 5 workdays of Kick Off Meeting	UR/ DFARs 252.227-7013
04	Monthly Status Report	0001	C.5.1.3	Monthly, 15th calendar day of the next month Monthly	UR/ DFARs 252.227-7013
05	Technical Status Meeting	0001	C.5.1.4	Monthly	UR/ DFARs 252.227-7013
06	Technical Meeting Minutes Reports	0001	C.5.1.4	Within 5 workdays of Technical Status Meeting	UR/ DFARs 252.227-7013
07	Draft Program Management Plan (PMP)	0001	C.5.1.5	Within 10 workdays of TOA	UR/ DFARs 252.227-7013

DEL. #	MILESTONE/ DELIVERABLE	CLIN	TOR REFERENCE	DATE OF COMPLETION/ DELIVERY	Data Rights Clause
08	Final PMP	0001	C.5.1.5	Within 10 workdays of receiving Government comments on Draft PMP	UR/ DFARs 252.227-7013
09	Update PMP	0001	C.5.1.6	As required	UR/ DFARs 252.227-7013
10	Lessons Learned Report	0001	C.5.1.7	As required	UR/ DFARs 252.227-7013
11	Trip Reports	0001	C.5.1.8	10 days after trip completed	UR/ DFARs 252.227-7013
12	Transition In Plan	0001	C.5.1.10	Within 5 workdays of TOA	UR/ DFARs 252.227-7013
13	Transition Out Plan	0001	C.5.1.11	Within 6 months of TOA; update as required, minimum quarterly	UR/ DFARs 252.227-7013
14a	Test and Evaluation Master Plan	0001	C.5.7, C.5.6.3	As required	UR/ DFARs 252.227-7013
14b	Requirements Traceability Matrix	0001	C.5.6.1 C.5.5.5.9	As required	UR/ DFARs 252.227-7013
15	Test Results	0001	C.5.7	Within 10 work days after completion of test	UR/ DFARs 252.227-7013
16	System Requirements Document	0001	C.5.2 C.5.5.2,	As required	UR/ DFARs 252.227-7013
17	Systems Engineering Management Plan (SEMP)	0001	C.5.5.1	As required	UR/ DFARs 252.227-7013
18	Support Training Materials	0001,	C.5.8.2	Within 10 calendar days before start of training	UR/ DFARs 252.227-7013
19	Baseline Quality Control Plan	0001	C.5.1.9	Within 10 days of TOA	UR/ DFARs 252.227-7013
20	Update Quality Control Plan	0001	C.5.1.9	As required	UR/ DFARs 252.227-7013
21	System Functional Review	0001	C.5.5.4	As required	UR/ DFARs 252.227-7013
22	Design Reviews	0001	C.5.5.6	As required	UR/ DFARs 252.227-7013

DEL. #	MILESTONE/ DELIVERABLE	CLIN	TOR REFERENCE	DATE OF COMPLETION/ DELIVERY	Data Rights Clause
23	System Analysis Reports	0001	C5.5.7	As required	UR/ DFARs 252.227-7013
24	Platform Configuration Plan	0001	C.5.8.1	As required	UR and URS/ DFARs 252.227-7013 and 252.227.7015
25	Training Plan	0001	C.5.8.1, C.5.8.2	As required	UR/ DFARs 252.227-7013
26	Copy of TO (initial award and all modifications)	0001	F.5	Within 10 working days of award	UR/ DFARs 252.227-7013
27	ISR Trade Studies	0001	C.5.5.5	As required	UR/ DFARs 252.227-7013
28	Project CONOPS	0001	C.5.5.5 C5.5.8	As required	UR/ DFARs 252.227-7013
29	Project TTP's	0001	C.5.5.5.	As required	UR/ DFARs 252.227-7013
30	Prototype Documentation	0001	C.5.2.1	As required	UR and URS/ DFARs 252.227-7013 and 252.227.7015
31	Site Survey	0001	C.5.3	As required	UR/ DFARs 252.227-7013
32	Requirement Gap Documentation	0001	C.5.3.1	As required	UR/ DFARs 252.227-7013
33	Software Documentation	0001	C.5.3.2	As required	UR / DFARs 252.227-7013, and DFARs 252.227-7014
34	Training and Troubleshooting Documentation	0001	C.5.3.3	As required	UR/ DFARs 252.227-7013
35	Engineering Development Plan	0001	C.5.6.2	As required	UR/ DFARs 252.227-7013
36	Functional Architecture	0001	C.5.5.3	As required	UR/ DFARs 252.227-7013
37	Modeling and Simulation Scenarios	0001	C.5.4.2	As required	UR/ DFARs 252.227-7013
38	Alternative Course of Action Analysis	0001	C.5.4.1	As required	UR/ DFARs 252.227-7013

DEL. #	MILESTONE/ DELIVERABLE	CLIN	TOR REFERENCE	DATE OF COMPLETION/ DELIVERY	Data Rights Clause
39	Analysis of Prototype System Performance	0001	C.5.4	As required	UR and URS/ DFARs 252.227-7013 and 252.227.7015

The contractor shall mark all deliverables listed in the above table to indicate authorship by contractor (i.e., non-Government) personnel; provided, however, that no deliverable shall contain any proprietary markings inconsistent with the Government's data rights set forth in this TO. The Government reserves the right to treat non-conforming markings in accordance with Defense Federal Acquisition Regulation Supplement (DFARS) 252.227-7013, 252.227-7014 and 252.227-7015.

F.5 PUBLIC RELEASE OF CONTRACT DOCUMENTS REQUIREMENT

The contractor agrees to submit, within ten workdays from the date of the FEDSIM CO's execution of the initial TO, or any modification to the TO (exclusive of Saturdays, Sundays, and Federal holidays), a portable document format (PDF) file of the fully executed document with all proposed necessary redactions, including redactions of any trade secrets or any commercial or financial information that it believes to be privileged or confidential business information, for the purpose of public disclosure at the sole discretion of GSA (**Section F.3, Deliverable 26**).. The contractor agrees to provide a detailed written statement specifying the basis for each of its proposed redactions, including the applicable exemption under the Freedom of Information Act (FOIA), 5 United States Code (U.S.C.) § 552, and, in the case of FOIA Exemption 4, 5 U.S.C. § 552(b) (4), shall explain why the information is considered to be a trade secret or commercial or financial information that is privileged or confidential. Information provided by the contractor in response to the contract requirement may itself be subject to disclosure under the FOIA. Submission of the proposed redactions constitutes concurrence of release under FOIA.

GSA will carefully consider the contractor's proposed redactions and associated grounds for nondisclosure prior to making a final determination as to what information in such executed documents may be properly withheld.

F.6 DELIVERABLES MEDIA

The contractor shall deliver all electronic versions by electronic mail (email) and removable electronic media, as well as placing in the CISO (A&S) designated repository. The following are the required electronic formats, whose versions must be compatible with the latest, commonly available version on the market.

a. Text Microsoft (MS) Word, PDF
b. Spreadsheets MS Excel
c. Briefings MS PowerPoint
d. Drawings MS Visio
e. Schedules MS Project

F.7 PLACE(S) OF DELIVERY

Unclassified deliverables or correspondence shall be delivered to the FEDSIM COR at the following address:

Primary COR:

GSA FAS AAS FEDSIM
ATTN: Jennifer Kara, COR (QF0B)
1800 F Street, NW
Washington, D.C. 20405
Telephone: (202) 969-7661
Email: jennifer.kara@gsa.gov

Alternate COR:

ATTN: Andre Archer, COR (QF0B)
1800 F Street, NW
Washington, D.C. 20405
Telephone: 202-286-4469
Email: Andre.Archer@gsa.gov

Copies of all deliverables shall also be delivered to the TPOC. The TPOC name, address, and contact information is as follows:

Jonathan Avooske
Under Secretary of Defense for Acquisition and Sustainment (USD A&E)
Cyber Information Security Office (CISO)
Mark Center 12E08, Mark Center Drive
Alexandria, VA 22311
Telephone: (b) (6)
Email: (b) (6) @mail.mil

F.8 NOTICE REGARDING LATE DELIVERY/PROBLEM NOTIFICATION REPORT (PNR)

The contractor shall notify the FEDSIM COR via a Problem Notification Report (PNR) (**Section J, Attachment E**) as soon as it becomes apparent to the contractor that a scheduled delivery will be late. The contractor shall include in the PNR the rationale for late delivery, the expected date for the delivery, and the project impact of the late delivery. The FEDSIM COR will review the new schedule and provide guidance to the contractor. Such notification in no way limits any Government contractual rights or remedies including, but not limited to, termination.

G.1 CONTRACTING OFFICER'S REPRESENTATIVE (COR)

The FEDSIM CO appointed a FEDSIM COR in writing through a COR Appointment Letter (**Section J, Attachment A**). The FEDSIM COR will receive, for the Government, all work called for by the TO and will represent the FEDSIM CO in the technical phases of the work. The FEDSIM COR will provide no supervisory or instructional assistance to contractor personnel.

The FEDSIM COR is not authorized to change any of the terms and conditions, scope, schedule, and price of the Contract or the TO. Changes in the scope of work will be made only by the FEDSIM CO by properly executed modifications to the Contract or the TO.

G.1.1 CONTRACT ADMINISTRATION

Contracting Officer:

Michaella Easley
GSA FAS AAS FEDSIM (QF0B)
1800 F Street, NW
Washington, D.C. 20405
Telephone: (202) 431-5549
Email: michaella.easley@gsa.gov

Primary COR:

Jennifer Kara
GSA FAS AAS FEDSIM (QF0B)
1800 F Street, NW
Washington, D.C. 20405
Telephone: (202) 969-7661
Email: jennifer.kara@gsa.gov

Alternate COR:

Andre Archer, COR (QF0B)
1800 F Street, NW
Washington, D.C. 20405
Telephone: 202-286-4469
Email: Andre.Archer@gsa.gov

Technical Point of Contact:

Jonathan Avooske
Under Secretary of Defense for Acquisition and Sustainment (USD A&E)
Cyber Information Security Office (CISO)
Mark Center 12E08, Mark Center Drive
Alexandria, VA 22311
Telephone: (b) (6)
Email: (b) (6) @mail.mil

G.2 INVOICE SUBMISSION

The contractor shall submit Requests for Payments in accordance with the format contained in General Services Administration Acquisition Manual (GSAM) 552.232-25, PROMPT PAYMENT (NOV 2009), to be considered proper for payment. In addition, the following data elements shall be included on each invoice:

Task Order Number: *(from GSA Form 300, Block 2)*

Paying Number: *(ACT/DAC NO.) (From GSA Form 300, Block 4)*

FEDSIM Project Number: *47QFCA21Z0976*

The contractor shall submit invoices as follows:

The contractor shall utilize FEDSIM's electronic Assisted Services Shared Information SysTem (ASSIST) to submit invoices. The contractor shall manually enter CLIN charges into Central Invoice Services (CIS) in the ASSIST Portal. Summary charges on invoices shall match the charges listed in CIS for all CLINs. The contractor shall submit invoices electronically by logging onto the following link (requires Internet Explorer to access the link):

https://portal.fas.gsa.gov

Log in using your assigned ID and password, navigate to the order against which you want to invoice, click the Invoices and Acceptance Reports link in the left navigator, and then click the *Create New Invoice* button. By utilizing this method, no paper copy of the invoice shall be submitted to GSA FEDSIM or the GSA Finance Center; The contractor shall provide invoice backup data, as an attachment to the invoice, in accordance with the contract type, including detail such as labor categories, rates, and quantities of labor hours per labor category. The FEDSIM COR may require the contractor to submit a written "hardcopy" invoice with the client's certification prior to invoice payment. A paper copy of the invoice is required for a credit.

The contractor is certifying, by submission of an invoice in the CIS, that the invoice is correct and proper for payment.

If there are any issues submitting an invoice, contact the Assisted Acquisition Services Business Systems (AASBS) Help Desk for support at 877-472-4877 (toll free) or by email at AASBS.helpdesk@gsa.gov.

G.3 INVOICE REQUIREMENTS

The contractor shall submit a draft copy of an invoice backup in Excel to the FEDSIM COR and CISO (A&S) TPOC for review prior to its submission to GSA. The draft invoice shall not be construed as a proper invoice in accordance with FAR 32.9 and GSAM 532.9.

The final invoice is desired to be submitted within six months of project completion. Upon project completion, the contractor shall provide a final invoice status update monthly.

Regardless of contract type, the contractor shall report the following metadata:

a. Contract Number (OASIS MA-IDIQ number)
b. Task Order Award Number (NOT the Solicitation Number)
c. Contractor Invoice Number
d. Contractor Name
e. Point of Contact Information
f. Current period of performance
g. Amount of invoice that was subcontracted.

The amount of invoice that was subcontracted to a small business shall be made available upon request.

G.3.1 COST-PLUS-FIXED-FEE (CPFF) CLINs (for LABOR)

The contractor may invoice monthly on the basis of cost incurred for the CPFF CLINs. The invoice shall include the period of performance covered by the invoice (all current charges shall be within the active period of performance) and the CLIN number and title. All hours and costs shall be reported by CLIN element (as shown in Section B), by contractor employee, and shall be provided for the current billing month and in total from project inception to date. The contractor shall provide the invoice data in spreadsheet form with the following detailed information. The listing shall include separate columns and totals for the current invoice period and the project to date.

a. Employee name (current and past employees)
b. Employee company
c. Employee OASIS labor category
d. Service Occupational Classifications (SOC) number
e. Exempt or non-exempt designation
f. Current monthly and total cumulative hours worked
g. Direct Labor Rate
h. Effective hourly rate (e.g., costs/hours)
i. Current approved billing rates in support of costs billed
j. Itemization of costs centers applied to each individual invoice
k. Indirect (e.g., Fringe, Overhead (OH)), General and Administrative (G&A)) burdened costs for each individual invoiced
l. Fixed Fee Amount
m. Any cost incurred not billed by CLIN (e.g., lagging costs)
n. Labor adjustments from any previous months (e.g., timesheet corrections)
o. Provide comments for deviations outside of a 10% range.
p. Copy of excerpt from the contractor's approved Disclosure Statement showing how DBA is to be charged.

All cost presentations provided by the contractor shall also include OH charges and G&A charges and rates being applied by individual with associated cost center information.

G.3.2 MATERIALS AND EQUIPMENT AND ODCs

The contractor may invoice monthly on the basis of cost incurred for the Material and Equipment and ODC CLINs. The invoice shall include the period of performance covered by the invoice and the CLIN number and title. In addition, the contractor shall provide the following detailed information for each invoice submitted, as applicable. Spreadsheet submissions are required.

a. Materials and Equipment and/or ODCs purchased
b. Request to Initiate Purchase (RIP) or CTP number or identifier
c. Date accepted by the Government
d. Associated CLIN
e. Project-to-date totals by CLIN
f. Cost incurred not billed by CLIN

g. Remaining balance of the CLIN

All cost presentations provided by the contractor shall also include OH charges, G&A charges and Fee in accordance with the contractor's Defense Contract Audit Agency (DCAA) cost disclosure statement.

G.3.3 TRAVEL

Contractor costs for travel will be reimbursed at the limits set in the following regulations (see FAR 31.205-46):

a. Federal Travel Regulation (FTR) - prescribed by the GSA, for travel in the contiguous United States (U.S.).
b. Joint Travel Regulations (JTR) Volume 2, Department of Defense (DoD) Civilian Personnel, Appendix A - prescribed by the DoD, for travel in Alaska, Hawaii, and outlying areas of the U.S.
c. Department of State Standardized Regulations (DSSR) (Government Civilians, Foreign Areas), Section 925, "Maximum Travel Per Diem Allowances for Foreign Areas" - prescribed by the Department of State, for travel in areas not covered in the FTR or JTR.

The contractor may invoice monthly on the basis of cost incurred for cost of travel comparable with the JTR/FTR/DSSR. The invoice shall include the period of performance covered by the invoice, the CLIN number and title. Separate worksheets, in MS Excel format, shall be submitted for travel.

CLIN/Task Total Travel: This invoice information shall identify all cumulative travel costs billed by CLIN/Task. The current invoice period's travel details shall include separate columns and totals and include the following:

a. Travel Authorization Request number or identifier, approver name, and approval date
b. Current invoice period
c. Names of persons traveling
d. Number of travel days
e. Dates of travel
f. Number of days per diem charged
g. Per diem rate used
h. Total per diem charged
i. Transportation costs
j. Total charges
k. Explanation of variances exceeding ten percent of the approved versus actual costs
l. Indirect handling rate

All cost presentations provided by the contractor shall also include OH charges and G&A charges in accordance with the contractor's DCAA cost disclosure statement.

G.4 TASK ORDER (TO) CLOSEOUT

The Government will unilaterally close out the TO no later than six years after the end of the TO period of performance if the contractor does not provide final DCAA rates by that time.

H.1 NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS)

The NAICS code for this TO is 541712 - Research and Development in the Physical, Engineering, Life Sciences (except Biotechnology).

H. PRODUCT SERVICE CODES (PSC)

The PSC is AZ12 - R&D-OTHER R & D-A RES/EXPL DEV.

The contractor shall enter the PSC in OASIS Management Module for each TO award.

H.3 KEY PERSONNEL

The following are the minimum personnel who shall be designated as "Key." The Government does not intend to dictate the composition of the ideal team to perform this TO.

a. Program Manager (PM)
b. Engineering Lead
c. Deputy Program Manager
d. Training Lead

The Government desires that Key Personnel be assigned for the duration of the TO.

H.3.1 PROGRAM MANAGER (PM)

The contractor shall identify a PM by name that shall provide management, direction, administration, quality assurance, and leadership of the execution of this TO.

It is required that the PM has the following qualifications:

a. A Top Secret (TS) Clearance with eligibility for Sensitive Compartmentalized Information (SCI) at time of proposal submission.
b. A minimum of three years of experience working on DoD COCOM projects.
c. A minimum of six years of experience managing projects that is of a similar scope, and complexity to Section C requirements. One or more of the managed projects must have included intelligence or special operations support elements.
d. An active certification in at least one of the following:
    1. Project Management Institute (PMI) Project Management Professional (PMP)
    2. Program Management Professional (PgMP) certification,
    3. Federal Acquisition Certification for Program and Project Managers (FAC P/PM) Level 3,
    4. Defense Acquisition Workforce Improvement Act (DAWIA) Level III Program Management certification.

It is highly desired but not mandatory that the PM has the following qualifications:

a. Master's degree in Business Management or a technical field
b. Fifteen years of combined experience in roles giving the PM a deep understanding of intelligence and special forces operations, so that the PM can readily communicate and understand the mission needs of CISO (A&S) Mission Partners.

c. Three years of experience at a DoD Combatant or Joint Command

H.3.2 ENGINEERING LEAD

It is required that the Engineering Lead has the following qualifications:

a. A TS clearance with SCI eligibility at time of proposal submission.
b. Bachelor's degree or higher in a Science/Engineering/Electrical or Computer related field of study.
c. A minimum of five years of experience developing specific SIGINT, Electronic Intelligence (ELINT), and Communication Intelligence (COMINT) algorithms based on system-level requirements.
d. A minimum of one year experience implementing SoC and Field-Programmable Gate Array (FPGA)-based signal processing algorithms.

It is highly desired but not mandatory that the Engineering Lead has the following qualifications:

a. Ten years of experience leading systems-level analysis, requirements generation, and modeling.
b. Ten years of experience on DoD-related programs.
c. Ten years of experience integrating computer hardware/software development and software system engineering.
d. Five years of experience implementing SoC and Field-Programmable Gate Array (FPGA)-based signal processing algorithms.

H.3.3 DEPUTY PROGRAM MANAGER

It is required that the Deputy Program Manager has the following qualifications:

a. A TS clearance with SCI eligibility at time of proposal submission.
b. Bachelor's degree or higher in a technical, business, operations, or equivalent field.
c. A minimum of five years of Special Operations program experience.
e. An active certification in at least one of the following:
    1. Project Management Institute (PMI) Project Management Professional (PMP)
    2. Program Management Professional (PgMP) certification,
    3. Federal Acquisition Certification for Program and Project Managers (FAC P/PM) Level 3,
    4. Defense Acquisition Workforce Improvement Act (DAWIA) Level III Program Management certification.

It is highly desired but not mandatory that the Deputy Program Manager has the following qualifications:

a. Ten years of experience in DoD intelligence programs.

b. A minimum of five years of experience with oversight of engineering program logistics, as well as managing program the requirements of day-to-day operations of multiple teams in a distributed environment.

H.3.4 TRAINING LEAD

It is required that the Training Lead has the following qualifications:

a. A TS clearance with SCI eligibility at time of proposal submission.
b. Bachelor's degree.
c. A minimum of ten years of experience within DoD training programs.
d. A minimum of ten years of experience leading training for the design, development, and execution of training programs.

It is highly desired but not mandatory that the Training Lead has the following qualifications:

a. Ten years Special Operations experience.
b. Five years of experience with the development-of specific intelligence (SIGINT, ELINT, HUMINT, All Source, etc.) and Special Operations training courses based on organizational requirements.
c. U.S. Army Training and Doctrine Command (TRADOC) Training Developer Middle Manager Course graduate or equivalent training development credential.

H.3.5 KEY PERSONNEL SUBSTITUTION

The contractor shall not replace any personnel designated as Key Personnel without the written concurrence of the FEDSIM CO. Prior to utilizing other than the Key Personnel specified in its proposal in response to the TOR, the contractor shall notify the FEDSIM CO and the FEDSIM COR of the existing TO. This notification shall be no later than fifteen calendar days in advance of any proposed substitution and shall include justification (including resume(s) and labor category of proposed substitution(s) in sufficient detail to permit evaluation of the impact on TO performance.

Substitute Key Personnel qualifications shall be equal to, or greater than, those of the Key Personnel substituted. If the FEDSIM CO and the FEDSIM COR determine that a proposed substitute Key Personnel is unacceptable, or that the reduction of effort would be so substantial as to impair the successful performance of the work under the TO, the contractor may be subject to default action as prescribed by FAR 52.249-6 Termination.

H.4 GOVERNMENT-FURNISHED PROPERTY (GFP) AND GOVERNMENT-FURNISHED INFORMATION (GFI)

The contractor shall provide written confirmation of receipt for and maintain custody and accountability of any GFP including hardware, software, and GFI provided during the course of performance of this effort. All GFP shall be returned to the Agency in "as is" condition at the end of the period of performance.

H.5 SECURITY REQUIREMENTS

H.5.1 INFORMATION ASSURANCE

The contractor may have access to sensitive (to include privileged and confidential) data, information, and materials of the U.S. Government. These printed and electronic documents are for internal use only and remain the sole property of the U.S. Government. Some of these materials are protected by the Privacy Act of 1974 (AMENDED) and Title 38. Unauthorized disclosure of Privacy Act or Title 38 covered materials is a criminal offense.

H.5.2 SECURITY CLEARANCES

The contractor will have access to unclassified and classified data including up to the Top Secret//SCI//SAP//ACCM level. For access to classified information, the contractor shall ensure that all personnel with access to classified information have the necessary security clearances. Contractor personnel visiting any Government facility in conjunction with this contract shall be subject to the standards of conduct applicable to Government employees. Site-specific approval regarding access to sensitive materials, computer facility access, issue of security badges, etc. shall be coordinated with the Program Officer (PO) as required. All necessary facility and employee security clearances shall be at the expense of the contractor.

Public Key Infrastructure (PKI) Requirements: Where interoperable DoD PKI or CACs are required for the exchange of unclassified information between DoD and its vendors and contractors or for access to Public Key-enabled information systems and websites, industry partners shall obtain all necessary certificates. The Government will support the issuing of CACs.

The contractor shall provide the appropriate documentation to the Government in order to be properly provided with the Government CAC. The contractor shall comply with all DoD regulations concerning the acquisition of CACs for all contractor personnel, in accordance with the policies and procedures currently in use at each customer location.

The contractor shall provide each employee an Identification (ID) badge which shall indicate the contract start date or the employees' employment start date. The ID badge shall be made of non-metallic material. The badge shall be easily readable and include the employee's name, contractor's name, functional area of assignment, and color photograph. The FEDSIM CO or his or her authorized representative shall approve the ID badge template before the start date.

Contractor personnel shall wear the ID badge at all times when performing work under this order/contract to include attending Government meetings and conferences within the facility. The contractor shall wear the ID badge in a conspicuous place on the front of exterior clothing and above the waist except when safety or health reasons prohibit such placement. As stated in 48 CFR 211.106, Purchase Descriptions for Service Contracts, contractor personnel shall identify themselves as contractor personnel by introducing themselves or being introduced as contractor personnel and by displaying distinguishing badges or other visible identification for meetings with Government personnel. Contractor personnel shall appropriately identify themselves as contractor employees in telephone conversations and in formal and informal written correspondence.

Contractor personnel not requiring a personnel security clearance, but performing Automated Data Processing (ADP) sensitive duties, are subject to investigative and assignment requirements

in accordance with DoD 5200.2R, DoD Personnel Security Program, and affiliated regulations. The contractor shall bear the cost of any security clearances required for performance. The contractor shall provide escort for uncleared personnel.

The Government will be responsible for obtaining security certification for all equipment/systems processing classified information. The contractor shall ensure its operation and maintenance procedures comply with those regulations identified within the DD254, Contract Security Classification Specification, which is a part of this contract.

All security requirements for this task are defined in the attached DD254 (**Section J, Attachment J**).

H.5.3 FACILITY CLEARANCE LEVEL

The contractor shall have a TS-level facility clearance with storage capability. The contractor shall require access to Communications Security (COMSEC) information, SCI intelligence information, North Atlantic Treaty Organization (NATO) information, Foreign Government information, and For Official Use Only (FOUO) information.

H.5.4. Single Occupancy Opening/Closing of Government SCIF/SAPF

JCETTI personnel are authorized to open/close government Sensitive Compartmented Information Facility (SCIF)/Special Access Program Facility (SAPF) during crisis or emergency periods and shall follow established Government policies and procedures for opening/closing and conducting end of day security checks.

During crisis or emergency periods, such as COVID -19 Pandemic time frame, adjustments must be made to meet Government guidance to reduce the risk of exposure to threats with minimal manning that are dictated by a Mission Essential order. In normal operations, the SAF/AQL Standard Operating Procedure (SOP) calls for specific procedures for both opening and closing of the SAF/AQL facilities. When minimal manning is ordered from Air Force leadership, the option for single occupancy opening/closing procedures may be implemented. When implemented, the following will become the normal opening and closing procedures until such time that the crisis / emergency period for single occupancy opening/closing has been declared as being over and normal operations are restored, or further opening/closing procedures are provided. Hours of Operations will be adjusted to meet the mission needs during the crisis / emergency period. The number of hours that a facility is open could increase or decrease, depending on the event(s).

For contractor support during an identified crisis / emergency period, the Government Project Lead (GPL) and Contracting Officer Representative (COR) will work with the Government SAP Security Officer (GSSO) on the specific contracts which are authorized to follow the SAF/AQL approved open/close procedures. Prior to the start of the minimal manning period, project essential personnel will be identified to the GSSO by Division Chiefs and passed on to leadership for final approval. This allows the GSSO to validate that all personnel identified for the minimal manning period have been properly trained and that their current access codes are

active. The names of all contractors identified to have access to the facility during the minimal manning period will be submitted to the approving GPL and COR for official authorization to work during the crisis period. A signed letter of authorization from the GPL and COR will acknowledge that the contractors will be required to open/close the SAP facility and potentially be working in a SAP facility without government oversight.

In addition to their function specific job description, all baseline positions may be required to perform any or all of the following tasks in support of their position:" "Perform Special Security Representative (SSR) duties, **to include opening/closing of the assigned AF/MAJCOM/SSO SCIF** (emphasis added), in accordance with SSR/Contractor SSR (CSSR) duties and SSO delegated duties as described in DoD Manual 5105.21, Volume 1, SCI Administrative Security Manual: Administration of Information and Information Systems Security, Air Force Manual (AFMAN) 14-304, The Security, Use, and Dissemination of Sensitive Compartmented Information (SCI), and applicable MAJCOM/SSO SCI Management Guidance. Contractor personnel will not perform actions as listed in AFMAN 14-304 paragraphs 2.13.1 – 2.13.4.

Please review Attachment AE- Single Occupancy Opening/Closing During Minimal Manning Periods detailed SOP.

H.6 ANTI-TERRORISM (AT)/OPERATIONS SECURITY (OPSEC)

For contract requiring performance or delivery in a foreign country, DFARS Clause 252.225-7043, Antiterrorism/Force Protection for Defense Contractors outside the U.S.: The clause shall be used in solicitations and contracts that require performance or delivery in a foreign country. This clause applies to both contingencies and non-contingency support. The key AT requirement is for non-local national contractor personnel to comply with theater clearance requirements and allows the combatant commander to exercise oversight to ensure the contractor's compliance with combatant commander and subordinate task force commander policies and directives.

H.7 ORGANIZATIONAL CONFLICT OF INTEREST AND NON-DISCLOSURE REQUIREMENTS

H.7.1 ORGANIZATIONAL CONFLICT OF INTEREST (OCI)

a. If a contractor has performed, is currently performing work, or anticipates performing work that creates or represents an actual or potential OCI, the contractor shall immediately disclose this actual or potential OCI to the FEDSIM CO in accordance with FAR Subpart 9.5. The nature of the OCI may involve the prime contractor, subcontractors of any tier, or teaming partners.

b. The contractor is required to complete and sign an OCI Statement (**Section J, Attachment L**. The contractor must represent either that (1) It is not aware of any facts which create any actual or potential OCI relating to the award of this contract, or (2) It has included information in its proposal, providing all current information bearing on the existence of any actual or potential OCI and has included a mitigation plan in accordance with paragraph (c) below.

c. If the contractor with an actual or potential OCI believes the conflict can be avoided, neutralized, or mitigated, the contractor shall submit a mitigation plan to the Government for review.

d. In addition to the mitigation plan, the FEDSIM CO may require further information from the contractor. The FEDSIM CO will use all information submitted by the contractor, and any other relevant information known to GSA, to determine whether an award to the contractor may take place, and whether the mitigation plan adequately avoids, neutralizes, or mitigates the OCI.

e. If any such conflict of interest is found to exist, the FEDSIM CO may determine that the conflict cannot be avoided, neutralized, mitigated, or otherwise resolved to the satisfaction of the Government, and the contractor may be found ineligible for award. Alternatively, the FEDSIM CO may determine that it is otherwise in the best interest of the U.S. to contract with the contractor and include the appropriate provisions to avoid, neutralize, mitigate, or waive such conflict in the contract awarded.

H.7.2 NON-DISCLOSURE REQUIREMENTS

If the contractor acts on behalf of, or provides advice with respect to any phase of an agency procurement, as defined in FAR 3.104-4, then the contractor shall execute and submit a Corporate Non-Disclosure Agreement (NDA) Form (**Section J, Attachment M**) and ensure that all its personnel (to include subcontractors, teaming partners, and consultants) who will be personally and substantially involved in the performance of the TO:

a. Are listed on a signed Addendum to the NDA Form (**Section J, Attachment N**) prior to the commencement of any work on the TO.

b. Are instructed in the FAR 3.104 requirements for disclosure, protection, and marking of contractor bid or proposal information, or source selection information.

c. Are instructed in FAR Part 9 for third-party disclosures when acting in an advisory capacity.

All proposed replacement contractor personnel also must be listed on a signed Addendum to Corporate NDA and be instructed in the requirements of FAR 3.104. Any information provided by contractors in the performance of this TO or obtained from the Government is only to be used in the performance of the TO. The contractor shall put in place appropriate procedures for the protection of such information and shall be liable to the Government for any misuse or unauthorized disclosure of such information by its personnel, as defined above.

H.8 SECTION 508 COMPLIANCE REQUIREMENTS

Unless the Government invokes an exemption, all Electronic and Information Technology (EIT) products and services proposed shall fully comply with Section 508 of the Rehabilitation Act of 1973, per the 1998 Amendments, 29 U.S.C. 794d, and the Architectural and Transportation Barriers Compliance Board's Electronic and Information Technology Accessibility Standards at 36 Code of Federal Regulations (CFR) 1194. The contractor shall identify all EIT products and services provided, identify the technical standards applicable to all products and services provided, and state the degree of compliance with the applicable standards. Additionally, the contractor must clearly indicate where the information pertaining to Section 508 compliance can

be found (e.g., Vendor's or other exact web page location). The contractor must ensure that the list is easily accessible by typical users beginning at time of award.

H.9 TRAVEL

Transportation may be commercial means or when mission requirements dictate, the Government may provide transportation for the desired travel via Government vehicle (e.g., car, van, or small truck) or Government aircraft (both fixed wing and rotary).

When contractor personnel are deployed in support of Government exercises and operations, the Government will authorize the use of Government facilities and privileges in the theater of operations. Authorizations will include access to the Post Exchange and commissary, care and treatment at medical and dental facilities, and the use of Government messing and billeting.

H.9.1 TRAVEL REGULATIONS

Contractor costs for travel will be reimbursed at the limits set in the following regulations (see FAR 31.205-46):

a. FTR - prescribed by the GSA, for travel in the contiguous U.S.
b. JTR, Volume 2, DoD Civilian Personnel, Appendix A - prescribed by the DoD, for travel in Alaska, Hawaii, and outlying areas of the U.S.
c. DSSR (Government Civilians, Foreign Areas), Section 925, "Maximum Travel Per Diem Allowances for Foreign Areas" - prescribed by the Department of State, for travel in areas not covered in the FTR or JTR.

H.9.2 TRAVEL AUTHORIZATION REQUESTS (TAR)

Before undertaking travel to any Government site or any other site in performance of this TO, the contractor shall have this travel approved by, and coordinated with, the FEDSIM COR. Notification shall include, at a minimum, the number of persons in the party, traveler name, destination, duration of stay, purpose, and estimated cost. Prior to any long-distance travel, the contractor shall prepare a Travel Authorization Request (TAR) (**Section J, Attachment O**) for Government review and approval. Long-distance travel will be reimbursed for cost of travel comparable with the FTR, JTR, or DSSR.

Requests for travel approval shall:

a. Be prepared in a legible manner.
b. Include a description of the travel proposed including a statement as to purpose.
c. Be summarized by traveler.
d. Identify the TO number.
e. Identify the CLIN associated with the travel.
f. Be submitted in advance of the travel with sufficient time to permit review and approval, at least five days before travel, when Government request to travel occurs more than five days in advance of travel.
g. Contain CISO (A&S) TPOC or Government Site POC Approval.

The contractor shall use only the minimum number of travelers and rental cars needed to accomplish the task(s). Travel shall be scheduled during normal duty hours whenever possible.

Unauthorized travel or travel not coordinated with the FEDSIM COR or CISO (A&S) TPOC, shall not be reimbursed.

H.10 DEFENSE BASE ACT (DBA) INSURANCE

Pursuant to FAR 28.305, DBA insurance coverage provides workers' compensation benefits (medical, disability, death) in the event of a work-related injury or illness outside the U.S.

The Government requires that employees hired by contractors and subcontractors who work internationally be protected by the DBA coverage, regardless of their assignment and/or location unless a waiver has been obtained by the U.S. Department of Labor.

DBA insurance will be charged as a direct or indirect cost based on the approved Disclosure Statement and consistent with the contractors DCAA -approved accounting system. A copy of the excerpt from the Disclosure Statement showing the approval to charge as direct or indirect shall be provided with the invoice. If required and approved by the CO, additional DBA riders may be charged as a direct cost to the Government.

H.11 DEPLOYMENT REQUIREMENTS

The requirements of this TO have been identified by CISO (A&S) as being essential to the mission and operational readiness of the U.S. Armed Services operating worldwide; therefore, the contractor may be required to perform this TO during crisis situations (including war or a state of emergency), contingencies or exercises in the identified area of operations, also known as theatre of operations, subject to the requirements and provisions listed below. These requirements apply to all personnel deployed to the AOR, regardless if they are temporary travelers or permanently deployed.

The contractor shall be responsible for performing all requirements of this TO notwithstanding crisis situations, contingencies or exercises, including, but not limited to, the existence of any state of war, whether declared or undeclared, or state of emergency, by the U.S. or the host nation, commencement of hostilities, internal strife, rioting, civil disturbances, or activities of any type which would endanger the welfare and security of U.S. Forces in the host nation. Failure by the contractor to perform may subject the contractor to a termination of this contract for cause.

The contractor shall ensure all employees and subcontractors participate in any necessary pre-deployment qualification training at the CISO(A&S) locations and with units preparing for deployment for up to six weeks. The personnel in each team shall be available for deployment or duty at other designated CONUS locations at the end of that training period. CISO (A&S) shall determine the actual initial deployment dates based on mission requirements. CISO (A&S) will assess individual performance during training in order to validate readiness to perform all tasks and duties. The Government will provide the following training (as needed):

a. Individual pre-deployment training in accordance with DoD requirements.
b. Weapons qualification training, if required by arming authorization (only if authorized by the FEDSIM CO).

c. Technical and functional training at CISO (A&S) on regional operational procedures, the threat situation, and all operational and intelligence tools necessary to perform duties at CISO (A&S) and when deployed with forward elements.

Contractor personnel will be integrated into Government contingency plans, and afforded the same rights, privileges, protection, and priority as U.S. Government personnel. The Government may provide security, housing, and messing facilities for contractor personnel should conditions warrant.

H.11.1 PRE-DEPLOYMENT PROCESSING

The CONUS Replacement Center (CRC) at Fort Bliss, Texas (https://www.bliss.army.mil/CRC/) is currently the designated processing site for personnel deploying to Hazard Duty/Combat Zones (HD/CZ) locations. Contractor personnel being deployed to HD/CZ shall report to the CRC for pre-deployment processing. The CRC validates readiness and conducts deployment processing en-route to the HD/CZ duty station. Deploying contractor personnel shall complete all pre-reporting requirements so they can deploy immediately upon completion of CRC processing. Pre-reporting requirements include, but are not limited to:

a. Medical readiness.
b. Theater-Specific Individual Readiness Training (TSIRT) certifications.
c. Current Individual Readiness File (IRF) records needed for identification and processing.
d. Valid passports and visas (for the longest period possible to mitigate a mid-tour break in service).
e. Any other preparation to prevent rejection by the CRC.

Contractor personnel determined by the CRC to be non-deployable will be referred back to the contractor for disposition. Deploying contractor personnel shall sign a property hand receipt when equipment is delivered into their possession. Upon completion of the contractor's tour, contractor personnel shall redeploy and out-process through the CRC.

H.11.2 PASSPORTS, VISAS, AND CUSTOMS

The contractor shall be responsible for obtaining all passports, visas, or other documents necessary to enter and/or exit any area(s) identified by the CISO (A&S) TPOC and FEDSIM COR for contractor employees.

All contractor employees shall be subject to the customs processing procedures, laws, agreements, and duties of the country to which they are deploying and the procedures, laws, and duties of the U.S. upon re-entry.

The contractor shall register all personnel with the appropriate U.S. Embassy or Consulate where possible.

H.11.3 CONTRACTOR COMPLIANCE

The contractor shall ensure that all contractor employees, including sub-contractors, comply with all guidance, instructions, and general orders applicable to U.S. Armed Forces and DoD civilians and issued by the Theater Commander or his/her representative. This shall include any and all guidance and instructions issued based upon the need to ensure mission accomplishment, force protection, and safety.

The contractor shall comply and shall ensure that all deployed employees and agents comply, with pertinent Service and DoD directives, policies, and procedures. The contractor shall ensure compliance with all Federal statutes, judicial interpretations, and international agreements (e.g., Status of Forces Agreements (SOFAs), Host Nation Support Agreements, etc.) applicable to U.S. Armed Forces or U.S. citizens in the area of operations. The FEDSIM CO will resolve disputes. Host Nation laws and existing SOFAs may take precedence over contract requirements.

a. The contractor shall take actions to ensure the professional conduct of its employees and subcontractors.
b. The contractor shall promptly resolve, to the satisfaction of the FEDSIM CO, all contractor employee performance and conduct problems identified by the cognizant FEDSIM CO or COR.
c. The FEDSIM CO may direct the contractor, at the contractor's expense, to remove or replace any contractor employee failing to adhere to instructions and general orders issued by the Theater Commander or his/her designated representative.

H.11.4 SPECIAL LEGAL CONSIDERATIONS

a. Public Law 106-523. Military Extraterritorial Jurisdiction Act of 2000: Amended Title 18, U.S. Code, to establish Federal Jurisdiction over certain criminal offenses committed outside the U.S. by persons employed by or accompanying the Armed Forces, or by members of the Armed Forces who are released or separated from active duty prior to being identified and prosecuted for the commission of such offenses, and for other purposes.
b. Applicability: This Act applies to anyone who engages in conduct outside the U.S. that would constitute an offence punishable by imprisonment for more than one year, the same as if the offence had been committed within the jurisdiction of the U.S. The person must be employed by or accompanying the Armed Forces outside the U.S.

H.11.5 ACCOUNTING FOR PERSONNEL

As directed by the FEDSIM CO or COR and based on instructions of the Theater Commander, the contractor shall report its employees, including third-country nationals, entering and/or leaving the area of operations by name, citizenship, location, SSN, or other official identity document number.

H.11.6 THEATER RISK ASSESSMENT AND MITIGATION

If a contractor employee departs an area of operations without contractor permission, the contractor shall ensure continued performance in accordance with the terms and conditions of the contract. If the contractor replaces an employee who departs without permission, the replacement is at contractor expense and must be in place within two business weeks or as directed by the FEDSIM CO.

The contractor shall prepare plans for support of military operations as required by the contract as directed by the FEDSIM CO.

For badging and access purposes, the contractor shall provide the FEDSIM CO or COR a list of all employees (including qualified subcontractors and/or local vendors being used in the area of operations) with all required identification and documentation information.

The contractor shall brief its employees regarding the potential danger, stress, physical hardships, and field living conditions.

The contractor shall require all of its employees to acknowledge in writing that they understand the danger, stress, physical hardships, and field living conditions that are possible if the employee deploys in support of military operations.

The contractor shall designate a POC for all of its plans and operations and establish an operations center to plan and control the contractor deployment process and resolve operational issues with the deployed force.

H.11.7 FORCE PROTECTION

While performing duties in accordance with the terms and conditions of the contract, the Service/Agency (e.g., Army, Navy, Air Force, Marine, Defense Logistics Agency (DLA)) will provide force protection to contractor employees commensurate with that given to Service/Agency civilians in the operations area. Contractor employees should be made aware of force protection options and NOT take any actions that would put themselves in harm's way beyond what is reasonable and expected from the conditions offered by the services.

H.11.8 VEHICLE AND EQUIPMENT OPERATION

The contractor shall ensure employees possess the required civilian licenses to operate the equipment necessary to perform contract requirements in the theater of operations in accordance with the SOW.

Before operating any military-owned or leased equipment, the contractor employee shall provide proof of license (issued by an appropriate Governmental authority) to the FEDSIM CO or COR.

The Government, at its discretion, may train and license contractor employees to operate military-owned or leased equipment.

The contractor and its employees shall be held jointly and severably liable for all damages resulting from the unsafe or negligent operation of military-owned or leased equipment.

The contractor is authorized to purchase Defense Working Capital Fund (DWCF) fuel from the Defense Logistics Agency (DLA) Energy through a Fuel Purchase Agreement (FPA) (Section J, Attachment AC provides a sample) in performance of this TO. A Fuel Identaplate Request Form (Section J, Attachment AD, provides a sample) identifies the DLA Assigned DODAAC, Aircraft Model, and Tail Number authorized to purchase aviation and ground fuel at military locations.

H.11.9 LIVING UNDER FIELD CONDITIONS

If requested by the contractor, and if available, the Government will provide contractor employees deployed in the theater of operations the equivalent field living conditions, subsistence, emergency medical and dental care, sanitary facilities, mail delivery, laundry service, and other available support afforded to Government employees and military personnel in the theater of operations.

H.11.10 MORALE, WELFARE, AND RECREATION

The Government will provide contractor employees deployed in the theater of operations morale, welfare, and recreation services commensurate with that provided to DoD civilians and military personnel deployed in the theater of operations.

H.11.11 REST AND RECUPERATION (R&R)

Deployed personnel shall be eligible for one R&R trip to contractor Home of Record (HOR) per year of deployment. Airline fare and per diem for travel days are authorized in accordance with the FTR. The traveler can travel to an alternate location other than the HOR, but costs above those calculated for the trip to and from HOR must be covered by the traveler.

H.11.12 HEALTH AND LIFE INSURANCE

The contractor shall ensure that health and life insurance benefits provided to its deploying employees are in effect in the theater of operations and allow traveling in military vehicles. Insurance is available under the DBA administered by the Department of Labor.

H.11.13 NEXT OF KIN NOTIFICATION

Before deployment, the contractor shall ensure that each contractor employee completes a DD Form 93, Record of Emergency Data Card, and returns the completed form to the designated Government official. The contractor shall be responsible for establishing a line of communication to notify and inform its employees' families of the status of the employee while he/she is deployed. The Government is responsible for ensuring that the contractor is notified of its employees' status at the earliest possible time without compromising national security. The Government reserves the right to notify families of contractor employees' status only when it is in the best interest of the Government.

H.11.14 RETURN PROCEDURES

Upon notification of return, the CISO (A&S) TPOC may authorize and the FEDSIM COR may approve contractor employee travel from the theater of operations to the designated individual deployment site. The contractor shall ensure that all Government-issued clothing and equipment provided to the contractor or the contractor's employees are returned to Government control upon completion of the deployment. The contractor shall provide the CISO (A&S) TPOC with documentation, annotated by the receiving Government official, of all clothing and equipment returns. The contractor shall be liable for any Government-furnished clothing and equipment not returned to the Government.

H.11.15 HARDSHIP AND DANGER PAY

Post (Hardship) Differential and Danger (Hazard) pay are allowances that provide additional compensation above basic compensation in a foreign area as determined by the Department of State where civil insurrection, civil war, terrorism, or wartime conditions threaten physical harm or imminent danger to the health or well-being of the employee. The contractor shall be reimbursed for payments made to its employees for danger pay, not to exceed that paid Government civilian employees, in accordance with the provisions of the DSSR Chapter 500 – Post (Hardship) Differential, Chapter 650 - Danger Pay Allowance, and Section 920 - Post

Classification and Payment Tables, as may be amended. Compensation to 'Basic Compensation' shall be only applicable to the first 40 hours of effort performed per week. Hardship and danger pay shall be billed under the ODC CLIN.

H.11.16 STATUS OF FORCES AGREEMENTS (SOFA)

The CISO (A&S) TPOC will inform the contractor of the existence of all relevant SOFAs and other similar documents and provide copies upon request. The contractor shall be responsible for obtaining all necessary legal advice concerning the content, meaning, application, etc., of any applicable SOFAs, and similar agreements. The contractor shall adhere to all relevant provisions of the applicable SOFAs and other similar, related agreements. The contractor shall be responsible for providing the Government with the required documentation to acquire invited contractor or technical expert status, if required by the applicable SOFA.

H.11.17 KOREA SOFA STATUS PROVISIONS

Invited Contractor (IC) and Technical Representative (TR) status shall be governed by the U.S. - Republic of (South) Korea (ROK) SOFA as implemented by United States Forces Korea (USFK) Regulation 700-19, which can be found via search on the USFK homepage: http://www.usfk.mil

The contractor shall coordinate with the Government to satisfy all requirements by the governing regulations for the specified theater. The contractor shall do the initial research into the requirements and inform the Government as to what the requirements are to travel into country. It is agreed that the withdrawal of Invited Contractor (IC) and Technical Representative (TR) status, or the withdrawal of, or failure to provide any of the privileges associated therewith by the U.S. shall not constitute grounds for excusable delay by the contractor in the performance of the TO and will not justify or excuse the contractor defaulting in the performance of this TO. Furthermore, withdrawal of SOFA status for any reason shall not serve as a basis for the contractor filing any claims against the U.S.

Contract personnel may be classified as members of the "civilian component" under Article I-(b) of the SOFA between Korea and the U.S. This classification may be available, upon application, to all of the contractor personnel who are U.S. citizens, who do not ordinarily reside in Korea, and whose presence in Korea is necessary for the execution of this TO. This classification may entitle the employee to enter Korea, pursuant to invitational orders, under Article IX of the SOFA. Contractor personnel classified as members of the "civilian component" under this Section shall be subject to all U.S. Forces regulations and directives, which pertain to the "civilian component" in Korea.

H.12 MATERIALS AND EQUIPMENT AND ODCs

The Government may require the contractor to purchase materials and equipment and ODCS, to include hardware, software, and related supplies critical and related to the services being acquired under the TO. Such requirements will be identified at the time a TOR is issued or may be identified during the course of a TO by the Government or the contractor. If the contractor initiates a purchase within the scope of this TO and the prime contractor has an approved purchasing system, the contractor shall submit to the FEDSIM COR a RIP (**Section J, Attachment P**). The RIP shall contain Government Site POC or CISO (A&S) TPOC approval.

The RIP shall include the purpose, specific items, estimated cost, cost comparison, and rationale. The contractor shall not make any purchases without an approved RIP from the FEDSIM COR and without complying with the requirements of **Section H.13.2.**

The contractor is authorized to obtain test support/services from Major Range and Test Facility Base (MRTFB) installations as Government furnished services at the DoD customer rate.

H.13 COMMERCIAL SUPPLIER AGREEMENTS

H.13.1 The Government understands that commercial software tools that may be purchased in furtherance of this TO as described in Section C. and as contemplated in the ODC CLIN in Section B.4 may be subject to commercial agreements which may take a variety of forms, including without limitation licensing agreements, terms of service, maintenance agreements, and the like, whether existing in hard copy or in an electronic or online format such as "clickwrap" or "browsewrap" (collectively, "Supplier Agreements").

H.13.2 The contractor shall ensure that any proposed Supplier Agreements allow the associated software and services to be used as necessary to achieve the objectives of this TO. The contractor shall provide all applicable Supplier Agreements to the FEDSIM CO prior to purchase and shall cooperate with the Government, including negotiations with the licensor as appropriate, to ensure compliance with this Section.

Without limiting the generality of the foregoing, a compliant Supplier Agreement shall permit all of the following at no extra charge to the Government: (a) access and use by support contractors, including a successor contractor upon termination or expiration of this TO; (b) access and use by employees of DoD activities; (c) transfer to a different location, data center and/or a successor contractor's system storage (as appropriate); (d) the creation of derivative works that shall be subject to at least the same rights as set forth in subparagraphs (a) through (c) above, (e) subject to purchase of applicable licenses, access and use by contractors acting on behalf of the Ordering Entity solely for Ordering Entity business purposes during the term of the applicable Supplier Agreement; (f) in the event of a cybersecurity incident or breach reported by the Ordering Entity or Contractor, access and use by employees of other Federal, state, and local law enforcement agencies acting on behalf of Ordering Entity solely for Ordering Entity business purposes in responding to the cybersecurity incident or breach; (g) to the extent applicable to the licensed software, transfer to a different data center and/or a successor contractor's cloud in each case solely for Ordering Entity business purposes and in accordance with all other license terms and (h) development of intellectual property works using Supplier's licensed application program interfaces (APIs) in accordance with applicable license terms is permissible for the Ordering Entity or a contractor acting on its behalf using government funds solely for Ordering Entity business purposes.

H.14 PRESS/NEWS RELEASE

The contractor shall not make any press/news release pertaining to this procurement/TO without prior Government approval and only in coordination with the FEDSIM CO.

H.15 INTELLECTUAL PROPERTY RIGHTS

The existence of any patent, patent application or other intellectual property right that encumbers any deliverable must be disclosed in writing on the cover letter that accompanies the delivery. If no such disclosures are provided, the data rights provisions in DFARS 252.227-7013 and 252.227-7014 apply.

H.16 NATIONAL SECURITY AGENCY REQUIREMENTS

Technologies for the TO shall be procured in accordance with the Committee on National Security Systems Policies (CNSSP) No. 11, "National Policy Governing the Acquisition of Information Assurance and IA-Enabled Information Technology Products." In addition, technologies shall be procured which have been validated by Common Criteria Testing Labs in accordance with the National Information Assurance Partnership (NIAP) Protection Profiles (PPs). Where a PP exists but the desired product has not been validated against it, CISO (A&S) shall direct the desired vendor to have its product validated against the appropriate, corresponding PP. For National Security Systems (NSS) where classified data is being protected at rest or in transit by commercial products, technologies from the Commercial Solutions for Classified (CSfC) Components List shall be used, in accordance with National Security Agency's (NSA's) published CSfC Capability Packages. Capability Packages and the CSfC Components List can be found by visiting the following website:

https://www.nsa.gov/ia/programs/csfc_program/component_list.shtml

NIAP-validated products can be found at the NIAP website:

https://www.niap-ccevs.org/CCEVS_Products/pcl.cfm

H.17 ADEQUATE COST ACCOUNTING SYSTEM

The adequacy of the contractor's accounting system and its associated internal control system, as well as contractor compliance with the Cost Accounting Standards (CAS); affect the quality and validity of the contractor data upon which the Government must rely for its management oversight of the contractor and contract performance. The contractor's cost accounting system shall be adequate during the entire period of performance and shall permit timely development of all necessary cost data in the form required by the contract.

H.18 APPROVED PURCHASING SYSTEM

The objective of a contractor purchasing system assessment is to confirm it is a Government-approved purchasing system and evaluate the efficiency and effectiveness with which the contractor spends Government funds and complies with Government policy with subcontracting.

The use of a Government audited and approved purchasing system (e.g., approved by Defense Contract Management Agency (DCMA)) is mandatory for purchases made under this TO.

To make purchases within the scope of the TO a contractor must first obtain approval in the form of a RIP by submitting it to the FEDSIM COR.

When reviews are conducted of the purchasing system during the performance of the TO, the contractor shall provide the results of the review to the FEDSIM CO within ten workdays from the date the results are known to the contractor.

H.19 SUBCONTRACTING GOALS

The contractor shall maintain small business utilization of at least 10% aggregate on a yearly basis.

H.20 FLIGHT OPERATIONS

The contractor pilots shall safely and efficiently operate the Contractor Owned/Contractor Operated (Co/Co) aircraft and meet the required field testing and training schedule. The contractor shall ensure that aircraft are properly certified for airworthiness before and after modifications are made for training and testing. The pilots shall comply with the requirements of the 14 CFR, the DCMA INST 8210.1C, change 1 sections referenced below, Commander's in-theatre operational requirements, and any other requirements designated by the Host Nation (HN). Pilots are responsible for pre-flight planning, aircraft pre-flight checks, and coordinating the mission with the operators who operate the on-board sensor systems. During flight, pilots shall monitor airspace, weather, radio communications, mission flight boundaries, other air traffic, and aircraft systems. The pilots shall coordinate all missions with the appropriate Fixed Base Operators (FBOs), military range control, Air Traffic Control (ATC) facilities (military and civilian) for mission coordination. The contractor shall provide all necessary FAA airworthiness certificates and any additional information that is needed to obtain DoD flight clearances to fly missions within the required AOR.

To ensure a safe, effective flight operations program, the contractor shall abide by the following:

a. 14 CFR, Part 135.267 Flight Time Limitations and Rest Requirements: Unscheduled One- and Two-Pilot Crews (Part b does not apply.)
b. 14 CFR, Part 61.56 Flight Review
c. 14 CFR, Part 61.57 Recent Flight Experience: Pilot in Command
d. 14 CFR, Part 91.509 Survival Equipment for Overwater Operations
e. 14 CFR, Part 61.55 Second-in-Command Qualifications
f. 8210. 1C Para 4.1.10 Documentation of Certificates, Licenses, and Permits
g. 8210.1C Para 4.1.2 Contractor Flight Planning Area
h. 8210.1C Para 4.1.9.3 Aircraft Maintenance Release Procedures
i. 8210.1C Para 4.1.14 Other Aircrew Restrictions
j. 8210.1C Para 4.15.1/ 4.15.2 Publications
k. 8210.1C Para 4.2.7.1 Human Factors Identification
l. 8210.1C Para 4.4.5 Filing Flight Plans
m. 8210.1C Para 4.4.12 Aircrew and Flight Briefing Guides
n. 8210.1C Para 4.4.14 Weight and Balance
o. 8210.1C Para 4.6.2.1 Academic Training
p. 8210.1C Para 4.8.2 Contractor Crewmember Record
q. 8210.1C Para 4.8.4 Crewmember Records
r. 8210.1C Para 4.8.4.3 Current Medical Certifications
s. 8210.1C Para 4.8.4.6 FAA Certifications and Qualifications

t. 8210.1C Para 4.8.4.7 Certification of Flight Evaluations and Oral and Written Exams
u. 8210.1C Para 4.8.4.8 Crew Resource Management (CRM) Training Certification
v. 8210.1C Para 4.8.6 Flight Time Records
w. 8210.1C Para 4.8.7 Access to Records

The FEDSIM CO will appoint a Government Flight Representative to monitor the contractor's flight and ground operations. As stated in **48 CFR 252.228-7001(e)**, Ground and flight risk, Exclusions from the Government's assumption of risk, the Government's assumption of risk shall not extend to damage, loss, or destruction of aircraft which results from willful misconduct, lack of good faith, has not been approved in advance of any flight in writing, occurs during transportation, is covered by insurance, consist of wear and tear or deterioration, or while the aircraft is being worked on and is a direct result of the work.

I.1 TASK ORDER CLAUSES

All applicable and required clauses set forth in FAR 52.301 automatically flow down to all OASIS TOs, based on their specific contract type (e.g., cost, fixed-price, etc.), statement of work, competition requirements, commercial or not commercial, and dollar value as of the date the TO solicitation is issued.

I.2 FAR 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This TO incorporates one or more clauses by reference with the same force and effect as if they were given in full text. Upon request, the FEDSIM CO will make their full text available. Also, the full text of a clause may be accessed electronically at the FAR website:

http://www.acquisition.gov/far/

FAR Part 12 commercial clauses do not apply to this TO.

FAR	TITLE	DATE
52.204-13	System for Award Management Maintenance	OCT 2016
52.204-14	Service Contract Reporting Requirements	OCT 2016
52.204-21	Basic Safeguarding of Covered Contractor Information Systems	JUN 2016
52.204-23	Prohibition on Contracting for Hardware, Software, and Services Developed or Provided by Kaspersky Lab and Other Covered Entities	JUL 2018
52.215-23	Limitations on Pass-Through Charges	OCT 2009
52.216-7	Allowable Cost and Payment Fill-in: __30__	JUN 2013
52.216-8	Fixed Fee	JUN 2011
52.222-2	Payment for Overtime Premiums Fill in: $0.00	JUL 1990
52.222-17	Nondisplacement of Qualified Workers	MAY 2014
52.222-29	Notification of Visa Denial	APR 2015
52.222-41	Service Contract Labor Standards	MAY 2014
52.222-50	Combating Trafficking in Persons	MAR 2015
52.223-15	Energy Efficiency in Energy-Consuming Products	DEC 2007
52.223-16	Acquisition of EPEAT-Registered Personal Computer Products	OCT 2015
52.224-3	Privacy Training	JAN 2017
52.225.13	Restrictions on Certain Foreign Purchases	JUNE 2008
52.225-19	Contractor Personnel in a Designated Operational Area or Supporting a Diplomatic or Consular Mission Outside the United States	MAR 2008
52.225-25	Prohibition on Contracting With Entities Engaging in Certain Activities or Transactions Relating to Iran—Representation and Certifications	OCT 2015

52.227-21	Technical Data Declaration, Revision, and Withholding of Payment—Major Systems	MAY 2014
52.228-3	Worker's Compensation Insurance (Defense Base Act)	JUL 2014
52.228-5	Insurance Work on a Government Installation	JAN 1997
52.228-7	Insurance—Liability to Third Persons	MAR 1996
52.232-18	Availability of Funds	APR 1984
52.232-20	Limitation of Cost	APR 1984
52.232-22	Limitation of Funds	APR 1984
52.232-23	Assignment of Claims	MAY 2014
52.232-25	Prompt Payment	JAN 2017
52.232-40	Providing Accelerated Payments to Small Business Subcontractors	DEC 2013
52.239-1	Privacy or Security Safeguards	AUG 1996
52.242-1	Notice of Intent to Disallow Costs	APR 1984
52.242-3	Penalties for Unallowable Costs	MAY 2014
52.243-2	Changes – Cost Reimbursement (Alternate II)	AUG 1984
52.244-2	Subcontracts	OCT 2010
52.249-6	Termination (Cost-Reimbursement)	MAY 2004
52.249-14	Excusable Delays	APR 1984
52.251-1	Government Sources of Supply	APR 2012

I.2.1 FAR CLAUSES INCORPORATED BY 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.

(End of clause)

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 six months. The Contracting Officer may exercise the option by written notice to the Contractor within 30 days of the end of the period of performance.

(End of clause)

52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

a. The Government may extend the term of this contract by written notice to the Contractor within 30 days; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.
b. If the Government exercises this option, the extended contract shall be considered to include this option clause.
c. The total duration of this contract, including the exercise of any options under this clause, shall not exceed 66 months.

(End of clause)

52.229-8 TAXES – FOREIGN COST-REIMBURSEMENT CONTRACTS (MAR 1990)

a. Any tax or duty from which the United States Government is exempt by agreement with the Government of any nation within the AOR of AFRICOM, CENTCOM, EUCOM, NORTHCOM, PACOM, and SOUTHCOM - or from which the Contractor or any subcontractor under this contract is exempt under the laws of any nation within the AOR of AFRICOM, CENTCOM, EUCOM, NORTHCOM, PACOM, and SOUTHCOM - shall not constitute an allowable cost under this contract.

b. If the Contractor or subcontractor under this contract obtains a foreign tax credit that reduces its Federal income tax liability under the United States Internal Revenue Code (Title 26, U.S. Code) because of the payment of any tax or duty that was reimbursed under this contract, the amount of the reduction shall be paid or credited at the time of such offset to the Government of the United States as the Contracting Officer directs.

(End of Clause)

I.3 GENERAL SERVICES ADMINISTRATION ACQUISITION MANUAL (GSAM), CLAUSES INCORPORATED BY REFERENCE

The full text of a clause may be accessed electronically at the GSAM website:

https://www.acquisition.gov/gsam/gsam.html/

GSAM	TITLE	DATE
552.204-9	Personal Identity Verification Requirements	OCT 2012
552.232.25	Prompt Payment	NOV 2009
552.232-39	Unenforceability of Unauthorized Obligations (FAR Deviation)	FEB 2018
552.232-78	Commercial Supplier Agreements – Unenforceable Clauses	FEB 2018
552.239-70	Information Technology Security Plan and Security Authorization	JUN 2011
552.239-71	Security Requirements for Unclassified Information Technology Resources	JAN 2012

I.4 DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT (DFARS) CLAUSES INCORPORATED BY REFERENCE

The full text of a clause may be accessed electronically at Defense Procurement and Acquisition Policy website:

www.acq.osd.mil/dpap/dars/dfarspgi/current/index.html/

DFARS	TITLE	DATE
251.102(f)	Authorization to Use Government Supply Sources.	
252.201-7000	Contracting Officer's Representative	DEC 1991
252.203-7000	Requirements Relating to Compensation of Former DoD Officials	SEPT 2011
252.203-7001	Prohibition On Persons Convicted Of Fraud Or Other Defense-Contract-Related Felonies	DEC 2008
252.203-7002	Requirement to Inform Employees of Whistleblower Rights	SEP 2013
252.203-7003	Agency Office of the Inspector General	DEC 2012
252.203-7004	Display of Hotline Posters	OCT 2016
252.203-7005	Representation Relating to Compensation of Former DoD Officials	NOV 2011
252.204-7000	Disclosure of Information	OCT 2016
252.204-7003	Control of Government Personnel Work Product	APR 1992
252.204-7005	Oral Attestation of Security Responsibilities	NOV 2001

DFARS	TITLE	DATE
252.204-7008 Provision	Compliance with Safeguarding Covered Defense Information Controls	OCT 2016
252.204-7009	Limitations on the Use or Disclosure of Third-Party Contractor Reported Cyber Incident Information	OCT 2016
252.204-7012	Safeguarding Covered Defense Information and Cyber Incident Reporting	OCT 2016
252.205-7000	Provision Of Information To Cooperative Agreement Holders	DEC 1991
252.209-7004	Subcontracting with Firms that are Owned or Controlled by the Government of a Country that is a State Sponsor of Terrorism	OCT 2015
252.211-7007	Reporting of Government-Furnished Property	AUG 2012
252.222-7002	Compliance with Local Labor Laws (Overseas)	JUN 1997
252.222.7006	Restrictions on the Use of Mandatory Arbitration Agreements	DEC 2010
252.223-7004	Drug-Free Work Force	SEP 1988
252.225-7004	Report of Intended Performance Outside the United States and Canada – Submission after Award	OCT 2015
252.225-7012	Preference for Certain Domestic Commodities	DEC 2016
252.225-7040	Contractor Personnel Supporting U.S. Armed Forces Deployed Outside the United States	OCT 2015
252.225-7043	Antiterrorism/Force Protection Policy for Defense Contractors Outside the United States	JUN 2015
252.225-7048	Export-Controlled Items	JUN 2013
252.227-7000	Non-Estoppel	OCT 1966
252.227-7013	Rights in Technical Data – Noncommercial Items	FEB 2014
252.227-7014	Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation	FEB 2014
252.227-7015	Technical Data--Commercial Items	FEB 2014
252.227-7016	Rights in Bid or Proposal Information	JAN 2011
252.227-7017	Identification, Assertion of Use, Release, or Disclosure Restrictions	JAN 2011
252.227-7025	Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends	MAY 2013
252.227-7026	Deferred Delivery of Technical Data or Computer Software	APR 1988
252.227-7027	Deferred Ordering of Technical Data or Computer Software	APR 1988
252.227-7028	Technical Data or Computer Software Previously Delivered to the Government	JUN 1995
252.227-7030	Technical Data--Withholding of Payment	MAR 2000
252.227-7037	Validation of Restrictive Markings on Technical Data	SEP 2016
252.228-7001	Ground and Flight Risk	JUN 2010
252.228-7005	Accident Reporting and Investigation Involving Aircraft, Missiles, and Space Launch Vehicles	DEC 1991
252.229-7002	Customs Exemptions (Germany)	JUN 1997
252.231-7000	Supplemental Cost Principles	DEC 1991
252.232-7010	Levies on Contract Payments	DEC 2006

DFARS	TITLE	DATE
252.233-7001	Choice of Law (Overseas)	JUN 1997
252.239-7001	Information Assurance Contractor Training and Certification	JAN 2008
252.242-7004	Material Management and Accounting System	MAY 2011
252.242-7005	Contractor Business Systems	FEB 2012
252.242-7006	Accounting System Administration	FEB 2012
252.243-7002	Requests For Equitable Adjustment	DEC 2012
252.244-7000	Subcontracts for Commercial Items	JUN 2013
252.244-7001	Contractor Purchasing System Administration--Basic	MAY 2014
252.245-7001	Tagging, Labeling, and Marking of Government-Furnished Property	APR 2012
252.245-7002	Reporting Loss of Government Property	DEC 2017
252.245-7004	Reporting, Reutilization, and Disposal	DEC 2017
252.246-7001	Warranty of Data—Basic	MAR 2014
252.246-7007	Contractor Counterfeit Electronic Part Detection and Avoidance System	AUG 2016
252.247-7023	Transportation Of Supplies By Sea—Basic	APR 2014
252.251-7000	Ordering From Government Supply Sources	AUG 2012

J.1 LIST OF ATTACHMENTS

The following attachments are attached, either in full text or electronically at the end of the TOR.

ATTACHMENT	TITLE
A	COR Appointment Letter
B	Acronym List
C	Incremental Funding Chart (P00041) (electronically attached)
D	Removed for Award
E	Problem Notification Report (PNR) Template
F	Monthly Status Report (MSR) Template
G	Trip Report Template
H	Deliverable Acceptance-Rejection Report Template
J	Department of Defense (DD) 254 (electronically attached .pdf)
L	Organizational Conflict of Interest (OCI) Statement
M	Corporate Non-Disclosure Agreement (NDA)
N	Reserved
O	Travel Authorization Request (TAR) Template (electronically attached .xls)
P	Request to Initiate Purchase (RIP) Template (electronically attached .xls)
R	Reserved
S	Removed for Award
T	Removed for Award
U	Removed for Award
V	Removed for Award
Y	Removed for Award
Z	Removed for Award
AA	Removed for Award
AB	Removed for Award
AC	Defense Logistics Agency (DLA) Energy through a Fuel Purchase Agreement (FPA) Sample
AD	Fuel Identaplate Request Form Sample
AE	Single Occupancy Opening/Close Procedures During Minimal Manning Periods