National Geospatial-Intelligence Agency (NGA)



**Next NGA West (N2W)**

**Task Order (TO): 0005**

**Statement of Work (SOW)**

**27 August 2019**

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# Introduction

This Statement of Work (SOW) supports a Task Order (TO) procurement of Systems Engineering and Integration (SE&I) support for the Next NGA West (N2W) Program. The introduction, background, objectives and scope material contained in the Base NEE SOW are applicable to this TO. The contractor shall provide all appropriate support to assist accomplishment of the requirements stated below.

## Background

The Next NGA West (N2W) Program is responsible for delivering a state of the art IT Solution and IT infrastructure that supports NGA’s mission, inspires and meets the needs of NCW’s high-tech workforce, and increases the Intelligence Communities (IC) collaboration. The N2W IT team and Program Management Office (PMO) will direct and manage the design, implementation, and installation of a complex and sophisticated Active IT solution; one purpose-built to exploit new IT technology to the greatest extent possible. This new IT architecture must support very unique and very specialized IT requirements.

## Scope

The Contractor shall perform SE&I services in accordance with the requirements specified in this task order. A brief description of the engineering activities to be supported under this Task Order are as follows:

* **Enterprise and Solutions Architecture Engineering.** The NEE contractor shall provide services to plan, design, define, develop, document and baseline the Active IT solution for N2W, inclusive of Business, Data, Network, Security and Solutions-Level Architectures down to the program level ensuring enterprise systems work together in an integrated fashion to deliver mission capabilities and solutions.

## One Team Approach

The N2W project requires the cooperative and focused efforts of all government and industry team members. The NGA N2W program management offices (N2W PMO) in conjunction with the USACE Kansas City District and the N2W Integrated Program Management Office (IPO) have developed formal processes as part of the team program management plan, which will support a unified effort by all team members to complete the N2W facility by meeting all mission requirements on time and within budget. The governance processes, data, meetings, and coordination required to support these requirements is incorporated in the statement of work. In addition to the IMS, Configuration Management, Risk and Opportunity Management and Readiness processes, the “One Team” approach incorporates the following principles and expectations:

1. All members of the team share responsibility for mission success.
2. All actions of the team will be viewed through the lens of optimizing the facility for the whole of the NGA Enterprise.
3. All members of the team shall be encouraged to freely provide their input to decisions in the appropriate forum for discussion/consideration.
4. The N2W decisions will consider mission success and outcomes by the following priorities:
   * 1. Cost (program and long term operational costs)
     2. Schedule
     3. Quality
     4. Sustainability
     5. Community integration

The monthly government performance reviews for all industry partners will consider the contractor’s commitment to the N2W “One Team” success based on meeting the requirements supporting our integrated governance processes, demonstrated commitment to continuous value engineering and the offering of advice and alternatives that reflect dedication to the program priorities.

# Applicable Documents

Applicable documents specified in this section are required for execution of the work described in the TO SOW. These documents provide additional detail to those listed in the Base SOW.

## Compliance Documents

Refer to Base SOW.

## Reference Documents

* Department of Homeland Security Federal Continuity Directive 1 (FCD 1), January 2017
* Department of Homeland Security Federal Continuity Directive 2 (FCD 2), July 2013
* DoDD 3020.26, Defense Continuity Program, 9 Jan 2009
* DoDD 3020.40, Mission Assurance, 29 November 2016
* DoDD 3020.44, Defense Crisis Management, 4 Jun 2014
* DoDI 2000.16, “DoD Antiterrorism (AT) Program Implementation Vol 1 & 2,” 17 November 2016
* DoDI 3020.39, Integrated Continuity Program for the Defense Intelligence Enterprise, 02 March 2015
* DoDI 3020.42, Defense Continuity Plan Development, 27 April 2011
* DoDI 3020.45, Defense Critical Infrastructure Program (DCIP), 6 June 2017
* DoDI 5240.05 Technical Surveillance Countermeasures (TSCM) April 3, 2014
* DoDI 6055.17, DoD Emergency Management (EM) Program, 13 Feb 2017
* DoDI 8500.2, Information Assurance (IA) Implementation, 6 Feb 2003
* DoD Information Assurance Certification and Accreditation Process (DIACAP)
* FEMA “National Incident Management System,” 22 June 2017
* Intelligence Community Directive (ICD) 503, 15 Sep 2008, and supporting National Institute of Standards and Technology (NIST) 800 documentation
* National Continuity Policy Implementation Plan (NCPIP), 1 December 2013
* National Fire Protection Association (NFPA) 1600, “Standard of Disaster/Emergency Management and Business Continuity Programs,”2016 edition.
* National Security Presidential Directive (NSPD) 51 / Homeland Security Policy Directive (HSPD) 20, National Continuity Policy, 4 May 2007
* NGA National Geospatial-Intelligence Agency Instructions (NIs)
* PL 104-106 National Defense Authorization Act
* Public Law 91-596, “Occupational Safety and Health Administration (OSHA) Act of 1970,” amended 1 Jan 2004
* Title III of the E Government Act of 2002 (PL 107-347) (a.k.a., Federal Information Security Management Act (FISMA) of 2002)
* Unified Facilities Criteria UFC 4-010-01 “DoD Minimum Antiterrorism Standards” 22 January 2007
* United States Northern Command (USNORTHCOM) CONPLAN 3551-07
* US Code, Title 50 – War and National Defense/Chapter 15 – National Security/Subchapter V – Protection of Operational Files, 432. Operational Files of the National Geospatial-Intelligence Agency
* Safety and Health Regulation for Construction, Occupational Safety and Health Administration (OSHA), 29 CFR 1926
* Executive Order (EO) 12333, United States Intelligence Activities
* EO 12958 Classified National Security Information
* EO 12968 Access to Classified Information
* Department of Defense (DoD) 5105.21-M-1, Sensitive Compartmented Information Administrative Security Manual
* ICD 503, IC Information Technology Systems Security Risk Management, Certification and Accreditation
* ICD 503 NGA Risk Management Framework (RMF) (Version13.0) October 2017.
* NIST SP 800-47, Security Guide for Interconnecting Information Technology Systems, Aug 2002.
* ICD 701, Security Policy Directive for Unauthorized Disclosure of Classified Information
* ICD 710, Classification and Control Markings Systems
* DoD Cloud Computing Security Requirements Guide (Version1, Release 2) 18 March 2016.
* Chief Information Officer Procedure, Certification and Accreditation Procedures, March 2010.
* Chief Information Officer Directive, Ports, Protocols, and Services (PPS) Management, August 2008.
* Chief Information Officer Directive, Security Technical Implementation Guidance (STIG) and Security Configuration Guide (SCG) Compliance, January 2009.
* NI 8010.2R7, Information System Security and Training (U)
* NI 8010.3R7, Certification and Accreditation of Information Systems (U)
* NI 8010.9R5, Information Operations Condition (INFOCON) Including Information Assurance Vulnerability Management (IAVM) (U)
* NI 8010.11R5, NGA-Controlled Computer Network Connectivity at Contractor and Other Facilities (U)
* NI 8010.14R8, Password and Global Address List Administration (U)
* NI 8010.16R2, Managing Compartmented and Sub-Compartmented Information on Sensitive Compartmented Information Systems (U)
* NI 8420.3R6, Controlled Interfaces for Systems and Networks (U)
* NI 8460.1R7, Communications Security (U)
* NI 8470.2R8, Internet Usage (U)
* NI 8470.3R8, Use of Electronic Mail and Other Electronic Communications (U)
* NI 8900.4R6, The Intelligence Oversight Compliance and Awareness Program (U)
* NI 8955.6R3, Disclosure and Release of Classified and Unclassified NGA Information, Data, Products, and Records (U)
* Federal Information Security Management Act (FISMA)
* DoD Instruction 8500.2
* Public Law 107-347, E-Government Act of 2002, December 17, 2002
* OMB Circular No. A-11, Section 51 – Information Technology and E-Government, 2003
* PN 5210.R3, Classification Guides by Program (U)
* PN 800.2R4, Protecting Classified Information Systems and Infrastructure (U)
* PN 8460.2R4, Public Key Infrastructure (PKI) (U)
* NI 5205.1R3, Protection of Sensitive Compartmented Information (U)
* NI 5205.3R1, Reporting Foreign Contact (U)
* NI 5210.5R5, Serious Incident Reporting (U)
* NI 5210.8R9, Physical Security (U)
* NI 5210.9R3, Control of AIS Equipment and Media Entering or Exiting NGA Sites and Facilities

# Description of Work

## 3.1 Enterprise and Solutions Architecture Engineering Support

The Contractor shall provide Enterprise and Solutions-level Architecture Engineering support to assist the Government in planning, designing, defining, developing, integrating, documenting and baselining the N2W Active IT solution, inclusive of data, network, security and solutions-level sub-architectures, to ensure Enterprise systems work together in an integrated fashion to deliver mission capabilities and solutions. The GEOINT Enterprise Architecture (GEA) is the authoritative source of information that guides and constrains solutions architectures, services, and data so that it may be responsive to stakeholder requirements. This architecture information informs Government decisions on a number of critical activities including planning, programming, budgeting, and mission execution. Architecture information also supports key engineering services such as requirements decomposition and inter/intra segment integration. The N2W Active IT solution shall be compliant and compatible with the GEA.

Key activities of Enterprise and Solutions Architecture Engineering may include the following: systems analysis and systems engineering necessary to plan, define and document the As-Is Architecture and portray the To-Be Architecture; the development of the conceptual and physical architecture; and, technical roadmaps defining the time-phased schedule for the path of systems and services from the As-Is to the To-Be Architecture.

Enterprise, and Solutions Architecture Engineering support includes support for, but is not limited to, the strategic, Enterprise, and solutions-level architecture engineering activities that follow.

### Enterprise Architecture Support

Enterprise Architecture activities the contractor shall support in the performance of this Task Order include, but are not limited to:

1. Support the design, development and update of Enterprise-level architectural artifacts that capture N2W Active IT requirements and provide roadmaps to balance cost, schedule and performance.
2. Assist Government Program Managers in the efficient execution, administration, and control of the N2W Active IT solution architecture deliverables.
3. Assist Government Program Managers to identify, test, and implement architectural artifacts that enable future IT capabilities to the greatest extent possible.
4. Support the continued development, maintenance, and documentation of the N2W Active IT architecture as it migrates from design to solution.
5. Support N2W PMO with the determination that N2W IT requirements and integration support the GEA as the N2W Active IT design matures to a final implementation solution.
6. Support the analysis and allocation of requirements to system architecture components for the N2W Active IT architecture components.
7. Support N2W PMO in the planning, analysis, traceability, procedures and problem solving to automate and improve the N2W Active IT Architecture.
8. Recommend, instantiate and operate architecture tools that support analysis and decision making through architecture data in the form of models, simulations, reports and views so that stakeholders may use architecture data in either the acquisition or development lifecycle to answer investment and divestment questions.
9. Utilize the Enterprise architecture and artifacts to improve the quality of NGA’s investments and engineering decisions by understanding, describing, and refining the alignment of the N2W Active IT architecture.
10. Manage and maintain the necessary processes and tools for automated maintenance and management of architecture artifacts within the repository for the Enterprise.
11. Manage Enterprise architecture documentation to support the N2W IT team.

### Solutions-level Architecture Support

The next level of architecture decomposition below Enterprise Architecture defining the orchestration of systems and services across the Enterprise to deliver the functions required to satisfy operational capabilities and mission activities. It includes the allocation of functions, services, requirement responsibility and interface definitions to the appropriate time phased architecture, technical roadmap, To Be Architecture and program.

Solutions-level Architecture activities the contractor shall provide in the performance of this Task Order include, but are not limited to:

1. Assist in the design of solutions-level architecture artifacts deliverables that fulfill program requirements and provide solutions that balance cost, schedule and performance across the Enterprise.
2. Analyze N2W Active IT architecture information to provide recommendations for program investments and solution-level architecture and engineering.
3. Assist in the building, vetting, and baselining of solutions-level architectures consistent with the Enterprise architecture.
4. Provide Integration Engineering, Network Engineering, Cyber Security Engineering and Systems Engineering support to understand program, segment, and project timelines for the delivery of capabilities and to ensure the current architecture baseline and To-Be Architecture supports capabilities when they are delivered.
5. Assist in the development and documentation of necessary support capabilities and initiatives in appropriate Enterprise architecture baselines.
6. Assist the Government in architecting and planning digital representations for integrating architectures, requirements, scheduling, budgeting and other data needed for systems engineering support.

### Executable Technical Roadmap Development and Support

Activities necessary to build, manage and execute time-phased, technical roadmap(s) that identify the development journey from the N2W Active IT Architecture and to future capabilities.

Executable Technical Roadmap Development activities the contractor shall support in the performance of this Task Order include, but are not limited to:

1. Assist in the definition, development, documentation and maintenance of the time-phased, strategic and technical roadmap(s) that move NGA from the current As-Is Architecture to the To-Be Architecture.
2. Perform Analysis of Alternatives (AoA), develop technology roadmaps and conduct engineering assessments as necessary to understand impact of IT deliverables on the N2W Active IT architecture and Technical Roadmaps.
3. Coordinate with customers and peer contractors to integrate changes into the Technical Roadmap(s).

### Data Architecture/Data Services Architecture Support

The commonly used data and metadata formats used by NGA, NSG, ASG, USG, commercial, and foreign partners; the business rules for data access, releasability, conflation, validation, quality, retention, storage management, and refresh; and the technical services architecture to support the NGA’s data strategy of making data accessible to all users via common services. The Data Services Architecture for GEOINT (DSA-G) includes services for data ingest, conditioning, access, dissemination, security, management and storage.

Data Architecture/Data Services Architecture activities the contractor shall support in the performance of this Task Order include, but are not limited to:

1. Assist in developing the overall design of the N2W’s data and technology centers to ensure they support the delivery of the N2W Active IT data architecture components.
2. Provide support on the development and implementation of Enterprise data models to support Enterprise and mission system processes.
3. Provide support for Data and Data Services Architectures by designing and implementing approaches and recommendations for the N2W Active IT architecture.
4. Collaborate with customer and peer contractors to ensure data execution efforts are aligned with NGA priorities.

### Network Architecture and Engineering Support

Network engineering support to reach across the NGA, NSG, ASG, USG, commercial, and foreign partner networks, to include network diagrams and configurations to aid in planning and evolving the NGA, NSG and ASG networks.

Network engineering support activities the contractor shall support in the performance of this Task Order include, but are not limited to:

1. Support analysis, design, testing and evaluation of WAN and LAN technologies that support the delivery of the N2W Active IT architecture components.
2. Assist in developing the overall Enterprise design and requirements of the N2W’s WAN and LAN capability, and conducting and refining Enterprise network assessments and operations for the N2W facility.
3. Assist in developing the overall LAN and WAN design of N2W’s data and technology centers supporting the delivery of the N2W Active IT network architecture components.

### Security Architecture and Engineering Support

Supports the government with securing the enterprise infrastructure through the security architecture for the NGA, NSG, ASG, USG, commercial, and foreign partner networks with direction from the Chief of Security Engineering and in collaboration/coordination with the Cyber Security Operations, Cyber Security Program Office, Security and Installations (SI), and the Chief Information Security Officer (CISO).

Security Architecture and Engineering activities the contractor shall support in the performance of this Task Order include, but are not limited to:

1. Support the engineering and implementation of Enterprise Security Services to ensure Cyber secure operations and defense of the N2W Active IT architectural operations.
2. Support the development and documentation of the N2W Active IT Cyber Security architectures, roadmaps and investments.
3. Support the overall goals / objectives of the NGA Technical Security Program, specifically, cyber security requirements required to support the National Security Information (NSI) compliance.
4. Provide technical expertise to support cyber security program development of secure applications and systems by providing technical guidance for implementation of ICD-503 required controls, speeding delivery of capabilities to NGA and IC customers and subsequent future cyber security policies and directives.
5. Collaborate with cyber security contractor, operations and accreditation teams on execution of design, engineering, upgrade and integration activities.
6. Continuously support the development and refinement of the N2W Active IT Security Architectures in support of NGA security strategy.

## Transition

### Transition Plan

As part of the transition, the contractor shall provide a staffing plan detailing the onboarding of all personnel identified in Appendix A. The plan shall describe the contractor employee names, company, clearance information, polygraph information, and dates of submittal into e-Nom.

The Contractor shall comply with the guidance in the table below.

**Table 1:Transition Availability**

| **Calendar Days After Award** | **Contractor Personnel** |
| --- | --- |
| 7 Days & 14 Days | * All Key Personnel eNomination Requests (eNom) submitted (within 7 days) and available for task order performance (within 14 days). |
| 45 Days | * At least 82% of all staff eNom submitted and available for task order performance. |
| 60 Days | * At least 100% of all staff eNom submitted and available for task order performance. |

3.2.1.1 Security Onboarding

The Contractor’s key personnel and any other personnel requiring access to classified systems shall have active Top Secret and be Sensitive Compartmented Information (TS/SCI) eligible at contract award.

To minimize the risk of a delay in supporting transition startup, the Contractor’s Security Office shall use the NGA eNomination system to nominate employees for personnel security clearances, facility badges, and system access. Upon security clearance approval, the Contractor shall schedule their personnel for clearance briefing and badges with the appropriate office(s) at NGA.

### Task Order Closeout

As this effort is not an enduring requirement, there will be no transition to a new Task Order. This Project will simply end when the IT is fielded at Full Operational Capability. However, the government will require Task Order close out procedures articulated below. The Contractor shall review and transition knowledge and relevant information concerning Enterprise engineering, architecture, and integration and standard operating procedures. The Contractor shall provide at a minimum the following items by the end of the contract in accordance with Government direction:

* Hardware and software development documentation that provides a comprehensive detailed description of the current operational baseline for each security domain. The documentation will at a minimum, contain the following: systems architecture, CM, software configuration, COTS integration, and capture of the hardware and software architectures.
* Operating system and application software with annotated source code for each security domain, including software under current development or test that is yet to be deployed. The Contractor shall provide the software in an industry standard format such as Microsoft TFS.
* Operational system data and database information, both current and historical, including user account data, metadata catalogs, stored imagery and products, system diagrams, and knowledge bases.

The Contractor shall conduct an organized transfer of Government-furnished equipment (GFE), Government-furnished property (GFP), and Government-furnished information (GFI), to include manufacturer maintenance agreements and software licenses as directed by the CO. The Contractor shall generate a report containing the final disposition of all NGA property.

The Contractor shall support the decommissioning and disposal of all Information Technology (IT) systems as directed by the Government. The Contractor shall follow NGA’s Decommissioning Disposal Review (DDR) process that is specific for hardware and software. The Contractor shall follow all processes in the DDR checklist for hardware and software, including maintenance of a Property Book to keep hand receipts, review signatures, and other acceptance criteria.

## Deliverables

The following sub-sections describe each of the Contract Data Requirements List (CDRL) documents required in support of this contract. A brief summary of these CDRLs is also shown in table form in the CDRL Matrix of this document.

### Kick-Off Meeting

The contractor shall schedule a kick-off meeting with the CO, PM and COR and TM within 10-15 calendar days of task order award.

### Weekly Meetings

At the discretion of the COR, a weekly telecom will be held with the contractor PM and COR, to discuss status. The Contractor shall provide an agenda, identify any issues and document action items.

### Quarterly Reviews

The contractor shall conduct and schedule Quarterly Program Management Reviews (PMR) of the data generated in preparation of the Status Report to address monthly data and other pertinent management information. The review shall include Government requested information and shall include, but is not limited to:

1. Contract management reporting
2. Task progress and Funding Status Report
3. Control of the contractual task order (dollars and labor hours) and distribution
4. Projected changes in manpower and redistribution based on customer organization needs, manpower and recruiting summary
5. Security issues
6. Contractual action items
7. Task order accounting data documentation
8. Report by task order element of hours/rates by discipline and skill level and by labor category
9. Comparison of proposed travel costs to actual travel costs for each task order element
10. Comparison of total contract funding to invoiced services
11. Any special interest items requested by the Government or provided at the contractor’s initiative
12. Task Order Requirements Review (as needed)

These reviews may also address, in general, the efforts, challenges, problems, and accomplishments of contractor personnel in the respective task areas. The contractor shall provide the PMR agenda and briefing slides three (3) business days prior to the meeting and PMR minutes within five (5) calendar days following the meeting and coordinate calendar invites. Government program and contract management may require other compilations of data to ensure adequate insight into the task order execution. This review shall be held with the PMO, CO and task order COR.

### Monthly Financial Report (MFR)

N2W requires detailed information to support financial reporting and asset capitalization. The N2W program requires a monthly financial report (MFR) that accompanies the submitted invoice that shows detailed information and reconciles to the amount invoiced. Financial Reports must track and report the following for each position: Position ID, CLIN, Labor Category, Name, Labor Rate, Skill Level, Monthly and Cumulative Hours Charged, and Monthly and Cumulative Invoiced. In lieu of a financial report, the invoice can contain this detailed information. Contractor defines the format for financial report and invoice; N2W Program Management Office and COR must approve.

### Monthly Staffing Report (MSR)

As part of the Monthly Staffing Report (MSR), the contractor shall provide one (1) electronic softcopy of an updated staffing report. The MSR supports the tracking of contractor’s proposed personnel (i.e., designated position number or identifier, Prime/Sub-contractor, name, labor category, start/end date, office, geographical location, and other fields of information as may be determined at a later date). Report not required if Task Order staffing is at 100%. A template for the MSR will be provided.

### Monthly/Weekly Activity Report (MAR/WAR)

The contractor shall submit a technical monthly activity report (MAR) to the COR no later than the 15th of each month. The contractor shall submit a technical weekly activity report (WAR) to the COR no later than each Monday for the preceding work week. WAR will include weekly hours worked for each contract employee on the Task Order.

### Technical Exchange Meetings (TEM)

The contractor shall schedule and support technical exchange meetings to collaborate and coordinate technical planning. The contractor shall record and submit minutes from the meetings.

### CDRL Matrix

The CDRL Deliverable List, shown in the table below is a list of all Contractor-provided deliverables that shall be met throughout the contract. All deliverables will be submitted in formats compatible with Adobe or Microsoft Office products. Softcopy delivery (via e-mail, etc.) is the preferred method of exchange for electronic copies. Deliveries will be made to the PM, CO, COR and/or Alternate COR (ACOR) as specified in the table below.

| **CDRL Title** | **CDRL #** | **SOW Section** | **First Submission** | **Updates** | **Delivered to** | **Format and number of deliverables** |
| --- | --- | --- | --- | --- | --- | --- |
| Quarterly Program Management Reviews | 001 | 3.3.3 | Award +120 Days | Quarterly | PM/CO/COR/ACOR | 1 Electronic Copy to PMO Email Address Contractor Defined, Government Approved |
| Monthly Financial Report | 002 | 3.3.4 | Award +30 Days | NLT 7th business day after the last day of the month | COR/ACOR | 1 Electronic Copy to PMO Email Address  Contractor Defined, Government Approved |
| Monthly Staffing Report | 003 | 3.3.5 | Award +30 Days | NLT 7th business day after the last day of the month | COR/ACOR | 1 Electronic Copy to PMO Email Address Contractor Defined, Government Approved |
| Monthly/Weekly Activity Report | 004 | 3.3.7 | Award +30 Days | Monthly/Weekly | COR/ACOR | 1 Electronic Copy to PMO Email Address Contractor Defined, Government Approved |
| Trip Reports | 005 | 7.0 | NLT 10 business days after return | As Required | COR/ACOR | 1 Electronic Copy to PMO Email Address Contractor Defined, Government Approved |
| Close Out Plan | 006 | 3.2.2 | Award + 7 days | As Required | PM/CO/COR/ACOR | 1 Electronic Copy to PMO Email Address  Contractor Defined, Government Approved |
| Reports, Briefings, Evaluations, Technical Assignments and Roadmaps, Models, Transition Plan,  Minutes, Design Data, White Papers Etc. | 007 | 3.0 | As Required | As Required | PM/COR/ACOR | 1 Electronic Copy to PMO Email Address Contractor Defined, Government Approved |

## Labor

Refer to Appendices A and B for estimated number of staff, overall description of work, duties, skills and education.

# General Provisions

## Primary Place of Performance

The primary place(s) of performance for this Task Order are NCW or N2W Construction site in St. Louis, MO, U.S. Army Corps of Engineers Locations in St. Louis, Mo. Other work locations will be considered if conducive to the effective performance of work. The contractor shall receive prior written approval for alternative work locations from the COR.

See the listing in Appendix B: Position Descriptions

## Work Schedule and Holidays

The Contractor will provide the majority of required technical support during NGA’s primary business hours (approximately 0700 to 1600 central time). However, as this Task Order directly supports a construction project, abnormal work hours may be required especially during peak construction periods to support a 40 hour work week. Abnormal work hours may include work required for weekends, holidays, and evenings necessary to support the N2W construction schedule. Abnormal work hours will be subject to Design Build & IT schedule constraints and workload demand. Abnormal working hours must approved by N2W Assistant Program Managers and the COR. Refer to Base order NEE SOW for additional holiday work guidance.

## Government Furnished Property (GFP)

The Government will provide the following GFP for Task Order 0005:

**Hardware:** Hardware will be provided by the Government. For Contractors located at the N2W Government site (on-site), this includes access to thin client COE and SBU networks; unclassified and classified VoIP phones, and printers.

**Data:** The Government will provide access to all available NGA data to support the requirements of the Task Order 0005 SOW.

**Data Rights:** The Government has unlimited rights to all documents/material produced under this contract. These documents and materials may not be used or sold by the contractor without written permission from the Contracting Officer. This right does not abrogate any other Government rights.

**Access:** The Government will facilitate access to Government facilities (to include badges) provided that the need for the access is validated and the security requirements of the contract are met. If other personnel security accesses are required, the Government will provide the sponsorship for additional accesses. The Government will provide access to information and data, relative to the tasks required to include sponsoring classified network connectivity.

## Foreign Contacts

Refer to the Base SOW.

## Construction Site Safety Compliance

The Contractor shall furnish all supplies, equipment, facilities and services required to perform work under this contract that are not listed under Government Furnished Property. In the event, Contractors are required to work at the construction site, the Contractor shall ensure all contractor personnel comply with all local, state, and federal ordinances, statutes, and regulations regarding personal safety in work or construction areas. The Contractor is responsible for the costs associated with the safety compliance program and will not be reimbursed for those costs.

# Security

Refer to the Base SOW.

# Key Personnel

The Government reserves the right to review and approve the resumes of the Contractor’s key personnel employees performing under the contract solely for the purpose of ascertaining their qualifications relative to the personnel qualification terms of the contract. Accordingly, the Contractor shall furnish such resumes to the Contracting Officer within five (5) working days prior to assignment to this contract or at the request by the Government Program Manager (GPM), Contracting Officer’s Representative (COR), or Alternate Contracting Officer’s Representative (ACOR).

# Travel and Other Direct Costs (ODCs)

The Contractor shall travel in support of work requirements described in SOW as required. Travel must be pre-approved by the COR with accompanying Travel Cost Estimate provided by Contractor. All travel shall be reimbursed based on costs incurred in accordance with the Federal Travel Regulations. Contractors are not allowed to charge the Government for business or first class travel. Contractors may use frequent flier miles for upgrades, but will not expense this to the Government. Contractors will not be reimbursed for local travel. Local travel is defined in the contract as travel conducted on official business within a 50-mile radius of official duty station. The contractor will be limited to Government-approved lodging and per-diem rates. The estimated not-to-exceed (NTE) travel amount for all positions during the first year of award of the task order is $20K.

# Appendix A: Anticipated Support Requirements

The requirements needed to adequately support this Task Order are listed in the table below. Position description information for Government-defined labor is provided in Appendix B. The location column indicates the primary work location for contractor personnel.

**Government Defined**

| **Position ID\*** | **Location** | **Position Description  #** | **TO Section** | **FTE** | **Skill Level** | **Service Category** | **Job Title** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 01-05-N2W-0001 | NCW | 1 | 3.1 | 1 | 4 – Expert | Engineering and Architecture | Program Manager |
| 01-05-N2W-0002 | NCW | 2 | 3.1 | 1 | 4 – Expert | Engineering and Architecture | Enterprise Architect |
| 01-05-N2W-0003 | NCW | 3 | 3.1 | 1 | 3 – Senior | Engineering and Architecture | Systems Engineer |
| 01-05-N2W-0004 | NCW | 3 | 3.1 | 1 | 3 – Senior | Engineering and Architecture | Systems Engineer |
| 01-05-N2W-0005 | NCW | 4 | 3.1 | 1 | 3 – Senior | Engineering and Architecture | Data Architect |
| 01-05-N2W-0006 | NCW | 5 | 3.1 | 1 | 3 – Senior | Engineering and Architecture | Network System Engineer |
| 01-05-N2W-0007 | NCW | 5 | 3.1 | 1 | 3 – Senior | Engineering and Architecture | Network System Engineer |
| 01-05-N2W-0008 | NCW | 6 | 3.1 | 1 | 3 – Senior | Engineering and Architecture | Integration Engineer |
| 01-05-N2W-0009 | NCW | 6 | 3.1 | 1 | 3 – Senior | Engineering and Architecture | Integration Engineer |
| 01-05-N2W-0010 | NCW | 7 | 3.1 | 1 | 3 – Senior | Engineering and Architecture | Cyber Security Engineer |
| 01-05-N2W-0011 | NCW | 7 | 3.1 | 1 | 3 – Senior | Engineering and Architecture | Cyber Security Engineer |

|  |
| --- |
|  |

**Appendix A Key:**

Signifies Critical Staffing Position

AA-BB-CCCC-1234 (First two Columns of Table)

|  |  |
| --- | --- |
| **Characters** | **Description** |
| AA | Statement of Work Number |
| BB | Task Order Number |
| CCCC | Organization Code Position Supports |
| 1234 | Position Number |

Skill level definitions for each service category are defined as follows. While the experience requirements for each level are the same across each service category, the associated labor rates may not be. Unless otherwise stated in Appendix B, default to the table below anytime the word “experience” is used in a position description to verify the number of years required.

|  |  |
| --- | --- |
| **Skill Level** | **Total Experience** (in years) |
| 4 - Expert | 18+ |
| 3 - Senior | 12+ to 18 |
| 2 - Mid | 6+ to 12 |
| 1 - Junior | 0 to 6 |

Work experience cannot be substituted for academic degree requirements or technical certifications in this Task Order. This is due to the highly technical nature of this Task Order that supports the delivery of a state of the art IT solution and IT infrastructure that will exploit new technologies and architectures. Total required skills and experience must satisfy Appendix A & B for each position of this Task Order.

These lists of job titles should be considered a sample and are not all inclusive.

**Senior Management**

Sample job titles may include, but are not limited to: Program Manager, Technical Lead Integrator, Business Process Manager, Functional Specialist Advisor

**Engineering and Architecture**

Sample job titles may include, but are not limited to: Integration Engineer, Software Engineer, Enterprise Architect, Data Architect, Data Scientist, Data Modeler, Cyber Security Engineer, Systems Analyst, Systems Architect, Systems Engineer, Systems Integrator, Network Systems Engineer, Cloud Architect, Cloud Engineer, Human System Integrator

**IT Engineering**

Sample job titles may include, but are not limited to: Configuration Manager, Computer Programmer, Tech Writer, Software Quality Assurance Specialist, Schedule Analyst

**Administration**

Sample job titles may include, but are not limited to: Database Administrator, Web Administrator

# Appendix B: Position Descriptions

**Position 1**: **Program Manager (Expert)**

**Overall Assignment Description:**

Support to NGA’s N2W leadership on overarching strategies and plans, and resourcing recommendations to time-phased schedules. Provide acquisition, program and project management support for NGA’s N2W IT leadership team. The N2W Program Manager shall assist the Government program managers in the efficient execution, administration, and control of the N2W Active IT architecture deliverables. Engage with customers and support government personnel to monitor cost, schedule, and technical performance for all N2W Active IT architecture requirements and supporting projects. Provide technical consultation and support on the pursuit of future IT capabilities, i.e. secure wireless, zero-client, multi-level security, IoT, and cloud solutions.

**Duties include:**

Provide technical guidance, and expertise to the N2W Program Office. Consults with N2W stakeholders to define needs/problems/risks and conducts or supervises studies and leads surveys to collect and analyze data to provide advice and recommend solutions. This execution shall incorporate efficiencies in applying the appropriate skill set to task(s) as well as ensuring that quality reporting of technical work is delivered to the Government in a timely manner. Review team plans and documents (e.g. briefing charts for stakeholder TEMs) to ensure alignment with customer needs and expectations. Develop action plans to address known/emerging issues; Coordinate with customer and government for concurrence. Develop, support, coordinate, and deliver responses to high priority tasking.

**Skills and Experience:**

Required:

* B.S. Degree in Engineering, Computer Science, Information Systems, Information Management, or Industrial Technology.
* 10 years of demonstrated experience in direct program management support to an IT acquisition or IT integration program office.
* 5 years of demonstrated experience supporting government IT acquisitions and program management on large and complex IT DoD programs.
* 4 years of demonstrated experience in program management to deliver an active IT solution for a project similar in scope and complexity to the N2W IT infrastructure.
* PMP or DAWIA PM Level III certification

Desired:

* M.S. Degree in Engineering, Computer Science, Information Systems, Information Management, Industrial Technology or IT related degree.
* 5 years of demonstrated experience supporting NGA or IC or NSG mission partner data and IT architecture systems.
* ITIL or SAFe certification.

**Position 2: Enterprise Architect (Expert)**

**Overall Assignment Description:**

The N2W Enterprise Architect shall provide expert systems engineering, systems integration and project management experience. The N2W Enterprise Architect will support the continued development, documentation and delivery of the N2W Active IT architecture. The N2W Enterprise Architect shall lead in providing activity oversight and ensure integration of IT requirements to support the N2W Program Office. The N2W Enterprise Architect shall track, manage, and resolve technical issues. The Enterprise Architect shall act as an expert technical point of contact for many of the N2W activities, work with other teams to complete studies / research, develop concept of operations (CONOPS) in support of establishing new capabilities, and develop requirements in support of new N2W capabilities. Personnel identified should be considered as having exceptional qualifications or highly unique expertise in this functional area in order to meet the highly complex technical and schedule demands of the N2W program. As a member of the N2W Project team, the Enterprise Architect shall be responsible for assessing future IT capabilities such as secure wireless, zero-client, multi-level security, IoT, and cloud solutions, to include business processes and cases for the NGA organization. The Enterprise Architect shall work side-by-side with contractor and government personnel to assist with issues related to the infrastructure are addressed.

**Duties:**

Perform schedule support at the current NGA facility on 2nd Street in St. Louis. Support engineering aspects of the N2W Project including: identify, manage, and resolve specific technical requirement issues affecting the relevant technologies planned for N2W; perform Analysis of Alternatives (AoA); develop technology roadmaps and engineering assessments reference deliverable. Coordinate with other contract/functional areas and with government representatives to ensure shared, consistent understanding of requirements. Assess opportunities for inserting new and emerging IT capabilities at the N2W facility. Generate strategies and paths forward for IT capability integration into the N2W design; collaborate with IC and Enterprise initiatives.

**Skills and Experience:**

Required:

* M.S. Degree in Engineering, Computer Science, Information Systems, Information Management, or IT related degree.
* 10 years of demonstrated integration experience in transitioning large and complex IT systems from development though operational installation and transition to Operations & Sustainment.
* 5 years of demonstrated experience with designing and implementing current and emerging ISP technologies.
* 4 years of demonstrated experience in the supervision and management of the development of IT requirements and implementation of an IT solution for a project similar in scope and complexity to the N2W IT infrastructure.
* PMP or DAWIA Level III PM certification

Desired:

* Doctorate Degree in Engineering, Computer Science, Information Systems, or Information Management.
* 18 years of demonstrated experience with government acquisitions and program management on IC or DoD programs.
* 15 years of demonstrated experience in developing systems roadmaps and project plans.
* ITIL or SAFe certifications.

**Position 3: Systems Engineer (Senior)**

**Overall Assignment Description:**

The N2W Systems Engineer shall provide systems engineering, systems integration and project management support. The N2W Systems Engineer will support the analysis and allocation of requirements to system architecture components for the N2W Active IT architectures. The N2W Systems Engineer shall assist in providing activity oversight and ensure integration of IT requirements to support the N2W Program Office. The N2W Systems Engineer will assist with tracking, managing, and resolving technical issues. The Systems Engineer will act as a technical point of contact for many of the N2W activities, work with other teams to complete studies/research, develop concept of operations (CONOPS) in support of establishing new capabilities, and develop requirements in support of new N2W capabilities. As a member of the N2W Project team, the Systems Engineer shall assist with assessing future IT capabilities such as secure wireless, zero-client, multi-level security, IoT, an cloud solutions, to include business processes and cases for the NGA organization. The Systems Engineer shall work side-by-side with contractor and government personnel to ensure issues related to the infrastructure are addressed.

**Duties:**

Support engineering aspects of the N2W Project including: identify, manage, and resolve specific technical requirement issues affecting the relevant technologies planned for N2W; assist in performing analysis of alternatives (AoA); assist in developing technology roadmaps and engineering assessments. Support the analysis and allocation of requirements to system architecture components for the N2W Active IT architecture. Provide lifecycle project management analysis, conduct studies; participate in major reviews; perform hardware, software, and technology evaluations; identify solutions; provide recommendations; plan activities. Advises the government on proposed changes to the Enterprise solution designs based on analysis of requirements and new technologies. Coordinate with other contract/functional areas and with government representatives to ensure shared, consistent understanding of requirements. Assess opportunities for inserting new and emerging IT capabilities at the N2W facility. Generate strategies and paths forward for IT capability integration into the N2W design; collaborate with IC and Enterprise initiatives.

**Skills and Experience:**

Required:

* 10 years of demonstrated experience in transitioning large and complex IT systems from development though operational installation and transition to Operations & Sustainment.
* Bachelor’s degree in Computer Science / Math / Science / Engineering / Information Science or IT related degree.
* 5 years of demonstrated experience with IT government acquisitions and program management on IC or DoD programs.
* 2 years of demonstrated experience in developing IT governance processes, IT CONOPS, and related IT activities necessary to establish, deliver, support, and maintain an IT solution.

Desired:

* 5 years of demonstrated experience with developing large and complex IT systems roadmaps and project plans.
* 5 years of demonstrated experience in providing recommendations to Government for business planning, business development activities, product concept development, and information technology engineering.
* ITIL or SAFe certifications.

**Position 4: Data Architect (Senior)**

**Overall Assignment Description:**

The Data Architect will serve as a member of the N2W Active IT and project team, providing systems engineering, network engineering, and project management expertise. The Data Architect will support the overall goals / objectives of the N2W IT Program, specifically, assist in developing the overall design of the N2W’s data and technology centers supporting the delivery of the N2W Active IT architecture components. The Data Architect will support the overall design and development requirements of the N2W’s data and technology center capability, and conducting and refining network assessments and operations to the N2W facilities. The Data Architect will perform studies to support the N2W Program Office. The Data Architect will act as a technical point of contact for many of the N2W studies, work with other teams to complete studies / research and develop requirements in support of new technology center N2W capabilities. As a member of the N2W team the Data Architect will be responsible for assessing future IT capabilities such as secure wireless, zero-client, multi-level security, IoT, an cloud solutions, to include business processes and cases for the NGA organization. The Data Architect will work side-by-side with contractor and government personnel to ensure issues are addressed. The environment is a multi-contractor program; therefore, candidates should be comfortable working with a diverse set of contractors and all grades of customer personnel.

**Duties:**

Support data center engineering aspects of the N2W Project including, identify, manage, and resolve specific technical requirement issues, perform analysis of alternatives (AoA) and develop roadmaps and engineering assessments. Assist the government in developing policies and procedures to build, maintain and leverage the data model to support the delivery of the GEA, As-Is, and To-Be architectures. Assist in the coordination of technology center plans and requirements with NGA transport and data center leads, to include relevant IC/DoD partners (such as ODNI, DISA and DTRA). Plan and execute technology center operations, assessments, and surveys using COTS, GOTS, and customer developed survey tools. Provide engineering support to include assessing data center technology and other network related engineering. Assist in the development of mitigation strategies and exception packages. Work with subject matter experts in NGA and the industry to ensure best practices are being considered / used. Provide lifecycle project management analysis; conduct studies; participate in major reviews; perform hardware, software, and technology evaluations; identify solutions; provide recommendations; plan activities. Brief status and analysis results.

**Skills and Experience:**

Required:

* Bachelor’s degree in Computer Science / Math / Science / Engineering or IT related degree.
* 10 years of demonstrated experience in datacenter integration to support a large and complex IT Enterprise.
* 5 years of demonstrated experience and understanding of power requirements, management of compute and storage resources, and engineering principles necessary to establish a technology center or data center.
* 2 years of demonstrated experience implementing IT cross-domain solutions.

Desired:

* M.S. Degree in Engineering, Computer Science, Information Systems, or IT related degree.
* 5 years of demonstrated experience with requirements development, implementation, or integration with control systems, Platform IT (PIT) systems and Electronic Surveillance Systems (ESS).
* 5 years of demonstrated experience with implementing emerging cloud or hybrid-cloud environments and technologies.

**Position 5: Network System Engineer (Senior)**

**Overall Assignment Description:**

The Network System Engineer will serve as a member of the N2W Active IT and project team, providing systems engineering, network engineering, and project management expertise. The Network System Engineer will support the overall goals / objectives of the N2W IT Program, specifically, analyzing, designing, testing and evaluating LAN/WAN technology that supports the delivery of the N2W Active IT architecture components. The Network System Engineer will support the overall goals / objectives of the N2W IT Program, specifically, supporting the Government in developing the overall design and requirements of the N2W’s LAN/WAN capability, and conducting and refining network assessments and operations to the N2W facilities. The Network System Engineer will perform studies to support the N2W Program Office. The Network System Engineer will act as a technical point of contact for many of the N2W studies, work with other teams to complete studies / research and develop requirements in support of new N2W capabilities. As a member of the N2W team the Network System Engineer will be responsible for assessing future IT capabilities such as secure wireless, zero-client, multi-level security, IoT, an cloud solutions, to include business processes and cases for the NGA organization. The Network System Engineer will work side-by-side with contractor and government personnel to ensure issues are addressed. The environment is a multi-contractor program; therefore, candidates should be comfortable working with a diverse set of contractors and all grades of customer personnel.

**Duties:**

Support engineering aspects of the N2W Project including, identify, manage, and resolve specific technical requirement issues, perform analysis of alternatives (AoA) and develop roadmaps and engineering assessments. Assist in the development of plans and requirements for LAN/WAN network design. Assist in the coordination of LAN/WAN plans and requirements with NGA transport leads and relevant IC/DoD partners (such as DISA and DTRA). Plan and execute LAN/WAN network operations, assessments, and surveys using COTS, GOTS, and customer developed survey tools. Document LAN/WAN network tool designs and integration plans. Provide engineering support to include assessing LAN/WAN technology and other network related engineering. Develop mitigation strategies and exception packages. Work with subject matter experts in NGA and the industry to ensure best practices are being considered / used. Provide lifecycle project management analysis, conduct studies; participate in major reviews; perform hardware, software, and technology evaluations; identify solutions; provide recommendations; plan activities. Brief status and analysis results.

**Skills and Experience:**

Required:

* Bachelor’s degree in Computer Science / Math / Science / Engineering or IT related degree.
* 10 years of demonstrated experience developing networking technologies such as routing, circuit switching, packet switching, multiprotocol label switching (MPLS), and encapsulation protocols, as well as their accompanying international, government, or industry standards.
* 5 years of IT planning/scheduling/requirements development experience supporting a large and complex IT program similar to the N2W effort.
* 2 years of demonstrated experience implementing DoD/IC secure wireless strategies and policies, such as Commercial Solutions for Classified (CSfC).

Desired:

* M.S. Degree in Engineering, Computer Science, Information Systems, or IT related degree.
* 5 years of technical experience providing transport support for IC/National System for Geospatial Intelligence (NSG) systems network infrastructure. LAN/WAN certifications (e.g., CCIE, CWEE, CCDA, JNCP, JNCIS, JNCIP)

**Position 6: Integration Engineer (Senior)**

**Overall Assignment Description:**

The N2W Integration Engineer will serve as a member of the N2W Active IT and project team, providing systems engineering, systems integration and project management expertise. In addition, the contractor shall provide Enterprise, Cross Organization, and Program Office integration services to include the integration of the GEA, As-Is and To-Be architectures, systems and devices to include user facing IT (desktops, wireless IT devices, video, printer, scanner, video conferencing and teleconferencing) requirements to support the N2W Program Office. The Integration Engineer will act as a technical point of contact for many of the N2W activities, work with other teams to complete studies / research, develop concept of operations (CONOPS) in support of establishing new capabilities, and develop requirements in support of new N2W capabilities. As a member of the N2W Project team, the Integration Engineer will be responsible for assessing future IT capabilities to support the Enterprise, such as, secure wireless, zero-client, multi-level security, IoT, an cloud solutions, to include business processes and cases for the NGA organization. The Integration Engineer will work side-by-side with contractor and government personnel to ensure all issues related to the infrastructure are addressed. The environment is a multi-contractor program; therefore, candidates should be comfortable working with a diverse set of contractors and all grades of customer personnel.

**Duties:**

Support data center engineering aspects of the N2W Project including: Identify, manage, and resolve specific technical requirement issues, perform analysis of alternatives (AoA) and develop roadmaps and engineering integration assessments. Provide lifecycle project management analysis and integration support; conduct studies; participate in major reviews; perform hardware, software, and technology evaluations; identify solutions; provide recommendations; plan activities. Research and recommend architecture trades, Support Government in providing IT product evaluations and cost estimation required to bring integration recommendations to the government. Coordinate with other contract/functional areas (such as the Intelligence Community Information Technology Environment (IC ITE) Desktop Environment (DTE) PMO and with government representatives to ensure shared, consistent understanding of requirements. Assess opportunities for inserting new and emerging IT capabilities at the N2W facility. Work with subject matter experts in NGA and the industry to ensure best integration practices are being considered / used. Recommend integration strategies and paths forward for IT capability integration into the N2W design; collaborate with IC and Enterprise initiatives. Monitor N2W IT project activity execution and provide course correction recommendations. Brief status and analysis results.

**Skills and Experience:**

Required:

* Bachelor’s degree in Computer Science / Math / Science / Engineering or IT related degree.
* 10 years of demonstrated experience deploying and implementing data centers or technology center facilities.
* 2 Years demonstrated experience analyzing power requirements, management of compute and storage resources necessary to establish a technology center or data center.
* 3 years of demonstrated experience with designing and deploying end user IT systems (e.g., zero, thin client, thick client, and multi-level secure systems), virtual desktop services, and related enabling technologies.

Desired:

* M.S. Degree in Engineering, Computer Science, Information Systems, or IT related degree.
* 5 years of experience with Systems Engineering & Integration (SE&I) experience working with NSG/NGA or GEOINT Mission Partner systems/segments.
* 3 years of experience with Intelligence Community Information Technology Environment (IC ITE) Desktop Environment (DTE).

**Position 7: Cyber Security Engineer (Senior)**

**Overall Assignment Description:**

The N2W Cyber Security Engineer will serve as a member of the N2W Active IT and project team, providing systems engineering, security engineering, and project management expertise. The N2W Cyber Security Engineer will support the overall goals / objectives of the NGA Technical Security Program, specifically, cyber security requirements required to support the National Security Information (NSI) compliance. The N2W Cyber Security Engineer will support the development and documentation of the N2W Active IT Cyber Security architecture, roadmaps and investments. The Cyber Security Engineer will act as a technical point of contact for many of the N2W activities, work with other teams to complete studies / research, develop concept of operations (CONOPS) in support of establishing new capabilities, and develop requirements in support of new N2W capabilities. As a member of the N2W team the Cyber Security Engineer will be responsible for assessing the future IT capabilities such as secure wireless, zero-client, multi-level security, IoT, an cloud solutions, to include business processes and cases for the NGA organization. The Cyber Security Engineer will work side-by-side with contractor and government personnel to ensure all issues are addressed. The environment is a multi-contractor program; therefore, candidates should be comfortable working with a diverse set of contractors and all grades of customer personnel.

**Duties:**

Support data center engineering aspects of the N2W Project including: Identify, manage, and resolve specific technical requirement issues, perform analysis of alternatives (AoA) and develop roadmaps and engineering assessments. Support the Government to develop cyber security design requirements for the planned wired and wireless environments of the N2W. Develop encryption strategies in compliance with IC/DoD/NGA standards and policies. Support Government to develop system security plans and accreditation packages. Review cyber security Test Plans / Test Reports and provide input to the government. Assist in the development of mitigation strategies and exception packages. Assess opportunities for inserting mission IT capabilities at the N2W facility. Work with subject matter experts in NGA and the industry to ensure best practices are being considered / used. Provide lifecycle project management analysis; conduct studies; participate in major reviews; perform hardware, software, and technology evaluations; identify security solutions; provide recommendations; plan activities. Brief status and analysis results.

**Skills and Experience:**

Required

* Bachelor’s degree in Computer Science / Math / Science / Engineering / Information Technology Management or IT related degree.
* 10 years of cyber security experience in authorization and accreditation of large and complex IT system.
* Information Assurance (IA) baseline certification per DoD 8570.01-Manual for Information Assurance Manager (IAM) Level III.
* 2 years demonstrated experience implementing DoD/IC secure wireless strategies and policies, such as Commercial Solutions for Classified (CSfC).
* CTIA or CISSP certifications

Desired:

* M.S. Degree in Engineering, Computer Science, Information Systems, or IT related degree.
* 5 years of demonstrated experience designing and implementing Wired and Wireless Technology.
* 5 years of demonstrated experience with securing emerging cloud and hybrid cloud environments and technologies.
* CEH certification