SPECIAL ITEM NUMBER 518210C – PROFESSIONAL CLOUD SERVICES

SPECIAL ITEM NUMBER 54151HACS – HIGHLY ADAPTIVE CYBERSECURITY SERVICES (HACS)

SPECIAL ITEM NUMBER 54151S – INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES

OLM – ORDER LEVEL MATERIALS

Note 1: All non-professional labor categories must be incidental to and used solely to support hardware, software and/or professional services and cannot be purchased separately.

Note 2: Offerors and Agencies are advised that the Multiple Award Schedule is not to be used as a means to procure services which properly fall under the Brooks Act. These services include, but are not limited to, architectural, engineering, mapping, cartographic production, remote sensing, geographic information systems, and related services. FAR 36.6 distinguishes between mapping services of an A/E nature and mapping services which are not connected nor incidental to the traditionally accepted A/E Services.

Note 3: This solicitation is not intended to solicit for the reselling of IT Professional Services, except for the provision of implementation, maintenance, integration, or training services in direct support of a product. Under such circumstances the services must be performance by the publisher or manufacturer or one of their authorized agents.

SHR Consulting Group, LLC
5285 Shawnee Road, Suite 200
Alexandria, VA 22312-2328
(P) 703-819-1955
(F) 855-378-7385
https://www.shrgroupllc.com/

Contract Number: 47QTCA18D002F
Period Covered by Contract: November 16, 2017 - November 15, 2027

Schedule Title: Multiple Award Schedule
Federal Supply Group: MAS

Pricelist current through Modification #PO-0019, effective 08/26/2022.

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!®, a menu-driven database system. The INTERNET address GSA Advantage!® is: GSAAdvantage.gov

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at fss.gsa.gov.
CUSTOMER INFORMATION:

1. Awarded Special Item Number(s):

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<th>Description</th>
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<td>Cloud and Cloud-Related IT Professional Services</td>
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<tr>
<td>54151HACS</td>
<td>Highly Adaptive Cybersecurity Services (HACS)</td>
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<td>54151S</td>
<td>Professional Information Technology Services</td>
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<td>OLM</td>
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1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract: See page 20 for SIN 518210C and page 25 for SIN 54151S.

1c. Descriptions of all corresponding commercial job titles with experience, functional responsibility and education are provided beginning on page 26.

2. Maximum Order: $500,000

3. Minimum Order: $100

4. Geographic Coverage: Worldwide

5. Point of Production: N/A

6. Prices Shown Herein are Net (discount deducted)

7. Quantity Discount: 1% discount on orders over $200,000.

8. Prompt Payment Terms: Net 30
   Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions

9. Foreign Items: None

10a. Time of Delivery: SHR Consulting Group, LLC shall deliver or perform services in accordance with the terms negotiated in an agency’s order.

10b. Expedited Delivery: Consult with Contractor

10c. Overnight/2-Day Delivery: Consult with Contractor

10d. Urgent Requirements: Consult with Contractor

11. FOB Point: Destination

12. Ordering Address: SHR Consulting Group, LLC
13. **Payment Address:** SHR Consulting Group, LLC
   5285 Shawnee Road, Suite 200
   Alexandria, VA 22312-2328

14. **Warranty Provisions:** Contractor’s Standard Warranty

15. **Export Packing charges:** Not applicable

16. **Terms and conditions of rental, maintenance, and repair:** Not applicable

17. **Terms and conditions of installation:** Not applicable

18a. **Terms and conditions of repair parts:** Not applicable

18b. **Terms and conditions for any other services:** Not applicable

19. **List of service and distribution points:** Not applicable

20. **List of participating dealers:** Not applicable

21. **Preventive maintenance:** Not applicable

22a. **Environmental attributes**, e.g., recycled content, energy efficiency, and/or reduced pollutants: Not applicable

22b. SHR Consulting Group, LLC for Section 508 compliance information. The EIT standards can be found at: http://www.section508.gov. N/A

23. **Unique Entity Identifier (UEI) Number:** R2QCGJ5HH4F7

24. SHR Consulting Group, LLC is registered in the System for Award Management (SAM) database.
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## GSA HOURLY RATES

**SIN 54151S**

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Labor Category Descriptions

SIN 518210C

**Cloud Cyber Accreditation Engineer I**

**Functional Responsibility**: Establishes and satisfies Information Assurance (IA) and security requirements based upon the analysis of user, policy, regulatory, and resource demands. Support customers at the highest levels in the development and implementation of doctrine and policies. Strong understanding of government cyber policies including RMF and NIST 800-53. Experience in Risk and Compliance and working with security management including information governance and compliance. Has a firm grasp of Assurance Practices and Risk Management. Has hands on experience with security processes and standards, in particular NIST 800 series and RMF. Assesses and mitigates system security risks. Determines and analyzes security requirements for implementation and testing. Reviews and continuously monitors implemented security controls. Creates and maintains security checklists, templates, and other tools to aid in the A&A process. Performs security control assessment using NIST 800-53 guidance and as per continuous monitoring requirements. Performs risk analyses to determine and recommends essential safeguards. Proactively mitigates system vulnerabilities and recommends compensating controls. Prepares security authorization packages in accordance with the client contractual requirements.

**Minimum Experience**: 5 years

**Minimum Education**: Associate’s Degree in Engineering, Computer Science, or related field.

**Cloud Cyber Security Engineer I**

**Functional Responsibility**: Provides support planning, coordination, and implementation of the organization’s cloud information security program. Provides support for facilitating and helping agencies identify their current security infrastructure and define future programs. Designs and implements Security Operations Center (SOC) best practices. Implements tools for insider threat, root cause analysis, and oversees aggregation of system logs and user activities. Responsible for implementing and managing security policies and access control for the cloud environment. Supports implementation and management of encryption for data at rest and data in transit. Has a working knowledge of several of the following areas: understanding of business cyber security practices and procedures; knowledge of current cyber security tools available; hardware/software firewalls and their implementation; different communication protocols; encryption techniques/tools; and familiar with commercial products and current Internet and electronic commerce technology. Responsible for analyzing network performance and conduct comparative analysis of systems and designs based on merit and cost (in terms of capital and ongoing operations); and/or engineering economics (engineering-related cost benefit analysis).

**Minimum Experience**: 3 years

**Minimum Education**: Associate’s Degree in Engineering, Computer Science, or related field.

**Cloud Cyber Security Engineer II**

**Functional Responsibility**: Provides support planning, coordination, and implementation of the organization’s cloud information security program. Provides support for facilitating and helping agencies identify their current security infrastructure and define future programs. Designs and implements
security operations center (SOC) best practices. Implements tools for insider threat, root cause analysis, and oversees aggregation of system logs and user activities. Responsible for implementing and managing security policies and access control for the cloud environment. Supports implementation and management of encryption for data at rest and data in transit. Has a working knowledge of several of the following areas: understanding of business cyber security practices and procedures; knowledge of current cyber security tools available; hardware/software firewalls and their implementation; different communication protocols; encryption techniques/tools; and familiar with commercial products and current Internet and electronic commerce technology. Responsible for analyzing network performance and conducts comparative analysis of systems and designs based on merit and cost (in terms of capital and ongoing operations); and/or engineering economics (engineering-related cost benefit analysis).

Minimum Experience: 8 years

Minimum Education: Bachelor’s Degree in Engineering, Computer Science, or related field.

Cloud DevOps Engineer I

Functional Responsibility: Knowledgeable of all available cloud and on premises technologies and can move rapidly from ideation to continuous iteration enabling the rapid delivery of capabilities. Assists and directs other cloud teams, ensuring that all technologies work effectively together to improve IT solution cloud performance, and processes change requests. Responsible for limiting redundancy in applications and technology designs. Leads teams to foster successful consultations with technical and non-technical project resources to evaluate project scope and program offering opportunities. Conducts analyses and proof-of-concepts for new technologies and solutions. Advises and participates in collaboration sessions with peer groups and business owners to estimate the feasibility of further analysis costs, risks, and opportunities for implementations. Has advanced level knowledge of cloud and Dev/Ops domains.

Assists cross functional teams in troubleshooting and problem identification. Evaluates and analyzes systems, performance, issues, and metrics in order to provide recommendations for service improvements. Improves cloud configuration, deployments monitoring, management, and incident response through automation. Assists with the automation deployment and tests the cloud infrastructure with a focus on compliance and scale. Optimizes robust CI/CD pipelines for Cloud and Mobile apps and data pipelines. Implements cloud provider infrastructure according to design and security best practices. Provides support tools to diagnose end user issues and monitor service health. Builds monitoring solutions to ensure overall system health.

Minimum Experience: 3 years

Minimum Education: Associate’s Degree in Engineering, Computer Science, or related field.

Cloud DevOps Engineer II

Functional Responsibility: Knowledgeable of all available cloud and on premises technologies and can move rapidly from ideation to continuous iteration enabling the rapid delivery of capabilities. Assists and directs other cloud teams, ensuring that all technologies work effectively together to improve IT solution cloud performance, and processes change requests. Responsible for limiting redundancy in applications and technology designs. Leads teams to foster successful consultations with technical and non-technical project resources to evaluate project scope and program offering opportunities. Conducts analyses and proof-of-concepts for new technologies and solutions. Advises and participates in collaboration sessions with peer groups and business owners to estimate the feasibility of further analysis costs, risks, and
opportunities for implementations. Has advanced level knowledge of cloud and Dev/Ops domains. Assists cross functional teams in troubleshooting and problem identification. Evaluates and analyzes systems, performance, issues, and metrics in order to provide recommendations for service improvements. Improves cloud configuration, deployments monitoring, management, and incident response through automation. Assists with the automation deployment and tests the cloud infrastructure with a focus on compliance and scale. Optimizes robust CI/CD pipelines for Cloud and Mobile apps and data pipelines. Implement cloud provider infrastructure according to design and security best practices. Provides support tools to diagnose end user issues and monitor service health. Build monitoring solutions to ensure overall system health.

**Minimum Experience:** 6 years

**Minimum Education:** Bachelor’s in Engineering, Computer Science, or related field.

Cloud DevOps Engineer III

**Functional Responsibility:** Knowledgeable of all available cloud and on premises technologies and can move rapidly from ideation to continuous iteration enabling the rapid delivery of capabilities. Assists and directs other cloud teams, ensuring that all technologies work effectively together to improve IT solution cloud performance, and processes change requests. Responsible for limiting redundancy in applications and technology designs. Leads teams to foster successful consultations with technical and non-technical project resources to evaluate project scope and program offering opportunities. Conducts analyses and proof-of-concepts for new technologies and solutions. Advises and participates in collaboration sessions with peer groups and business owners to estimate the feasibility of further analysis costs, risks, and opportunities for implementations. Has advanced level knowledge of cloud and Dev/Ops domains. Assists cross functional teams in troubleshooting and problem identification. Evaluate and analyze systems, performance, issues, and metrics in order to provide recommendations for service improvements. Improve cloud configuration, deployments monitoring, management, and incident response through automation. Assists with the automation deployment and tests the cloud infrastructure with a focus on compliance and scale. Optimizes robust CI/CD pipelines for Cloud and Mobile apps and data pipelines. Implement cloud provider infrastructure according to design and security best practices. Provides support tools to diagnose end user issues and monitor service health. Build monitoring solutions to ensure overall system health.

**Minimum Experience:** 10 years

**Minimum Education:** Bachelor’s in Engineering, Computer Science, or related field.

Cloud DevOps Tester I

**Functional Responsibility:** Develops automated test scripts to validate functional, technical, and performance requirements. Executes test scripts during internal system testing. Documents test issues and works with development team to validate/recreate. Performs retesting and regression testing. Develops and implements program test plans, Quality Assurance (QA) plans, programs, and procedures using the testing tools. Oversees tests to ensure that performance and quality products conform to established policy and standards. Develops test reports. Reviews, analyzes, and reports on quality discrepancies related to software and systems engineering. Investigates problems and develops disposition and corrective actions for recurring discrepancies. Interfaces with all program staff to ensure requirements are met. Recommends corrective actions, dispositions, and modifications. Assists with pre-production Acceptance Testing to help ensure quality of service. Testing methods include but are
not limited to: Unit, Regression, Functional, Cyber, and Independent Verification and Validation (IV&V).

**Minimum Experience:** 3 years

**Minimum Education:** Associate’s Degree in Engineering, Computer Science, or related field.

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**Cloud DevOps Tester II**

**Functional Responsibility:** Develops automated test scripts to validate functional, technical, and performance requirements. Executes test scripts during internal system testing. Documents test issues and works with development team to validate/recreate. Performs retesting and regression testing. Develop and implement program test plans, QA plans, programs, and procedures using the testing tools. Oversees tests to ensure that performance and quality products conform to established policy and standards. Develops test reports. Reviews, analyzes, and reports on quality discrepancies related to software and systems engineering. Investigates problems and develops disposition and corrective actions for recurring discrepancies. Interfaces with all program staff to ensure requirements are met. Recommends corrective actions, dispositions, and modifications. Assists with pre-production Acceptance Testing to help ensure quality of service. Testing methods include but are not limited to: Unit, Regression, Functional, Cyber, and IV&V.

**Minimum Experience:** 6 years

**Minimum Education:** Bachelor’s in Engineering, Computer Science, or related field.

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**Cloud Enterprise Architect I**

**Functional Responsibility:** Supports the development of enterprise architectural strategies, standards, processes, and tools, as well as the development of strategy, frameworks, best practices, and patterns. Ensures compliance with all architecture directions and standards through cross-organization consulting and direct involvement in development efforts. Recommends and selects tools for strategic implementation, and monitors adherence to corporate standards in application design, development, and testing. Discovers and defines functional requirements and their relationship to technical requirements; and determines the adequacy of documented requirements for architecture definition for the priorities of the department and organization. Provides technical, managerial, and administrative direction for problem definition, analysis, requirements development, and implementation for complex to extremely complex enterprise systems. Makes recommendations and advises on organization-wide system improvements, optimization, or maintenance efforts in the following specialties: information systems architecture; networking; telecommunications; automation; communications protocols; risk management/electronic analysis; software; lifecycle management; software development methodologies; and modeling and simulation. Commensurate experience in IT and in new and related older technology that directly relates to the required area of expertise.

**Minimum Experience:** 5 years

**Minimum Education:** Bachelor’s in Engineering, Computer Science, or related field.

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**Cloud Enterprise Architect II**

**Functional Responsibility:** Supports the development of enterprise architectural strategies, standards, processes, and tools, as well as the development of strategy, frameworks, best practices, and patterns.
Ensures compliance with all architecture directions and standards through cross-organization consulting and direct involvement in development efforts. Recommends and selects tools for strategic implementation, and monitors adherence to corporate standards in application design, development, and testing. Discovers and defines functional requirements and their relationship to technical requirements; and determines the adequacy of documented requirements for architecture definition for the priorities of the department and organization.

Provides technical, managerial, and administrative direction for problem definition, analysis, requirements development, and implementation for complex to extremely complex enterprise systems. Makes recommendations and advises on organization-wide system improvements, optimization, or maintenance efforts in the following specialties: information systems architecture; networking; telecommunications; automation; communications protocols; risk management/electronic analysis; software; lifecycle management; software development methodologies; and modeling and simulation.

Requires commensurate experience in IT and in new and related older technology that directly relates to the required area of expertise.

**Minimum Experience:** 10 years

**Minimum Education:** Bachelor’s in Engineering, Computer Science, or related field.

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**Cloud Infrastructure Architect I**

**Functional Responsibility:** Architects and migrates mission-based systems to a cloud infrastructure. Can architect, build, and maintain all cloud infrastructure. Responsible for application of Configuration Management disciplines to maintain hardware/software revisions, security patches, hardening, and documentation. Develop and direct the development of content for a complex and growing infrastructure. This includes use cases for Dashboards, Active Channels, Reports, Rules, Filters, Trends, and Active Lists. Provides infrastructure conceptual design & assists developers with application development and implementation of new cloud products and services. Provides infrastructure design and architecture for the cloud environment. Produces implementation automation for configuration of systems and applications. Assists with security and audit activities related to Cloud infrastructure. Provides technical and system engineering support for internal groups and customers.

**Minimum Experience:** 5 years

**Minimum Education:** Bachelor’s in Engineering, Computer Science, or related field.

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**Cloud Network Engineer I**

**Functional Responsibility:** Designs and plans cloud network communications systems. Provides specifications and detailed schematics for network architecture to cloud architects. Provides specific detailed information for hardware and software selection, implementation techniques, and tools for the most efficient solution to meet needs, including present and future capacity requirements. Conducts thorough testing of network design and maintains technical expertise in all areas of cloud network and computer hardware/software interconnection (i.e. routers, multiplexers, firewalls, hubs, bridges, gateways, etc.). Evaluates and reports on new technologies to enhance capabilities of the cloud network. Conducts research on new cloud technologies to fully understand implementation requirements and implications for integration with other network systems. Responsible for the troubleshooting and debugging of increasingly complex network issues, making recommendations for improved operational efficiency, repair, replacement, or upgrades. Supports clients identify their current needs.
security infrastructure and define future programs, design, and implementation of fire-wall and other related security issues on LANs/WANs. Experienced in the administration of switches, routers, firewalls, and other network devices. Expert in engineering best practices; Transport Control Protocol / Internet Protocol (TCP/IP), routing protocols, LAN switching, Internet and Intranet systems, and Simple Network Management Protocol (SNMP) based network management systems. Leads design efforts that require in-depth technical knowledge of both wide area and local area communications. Conducts cloud network performance reviews and comparative analysis of systems and designs based on merit and cost (in terms of capital and ongoing operations); and/or engineering economics (engineering-related cost benefit analysis).

Minimum Experience: 3 years

Minimum Education: Associate’s Degree in Engineering, Computer Science, or related field.

**Cloud Network Engineer II**

**Functional Responsibility:** Designs and plans cloud network communications systems. Provides specifications and detailed schematics for network architecture to cloud architects. Provides specific detailed information for hardware and software selection, implementation techniques, and tools for the most efficient solution to meet needs, including present and future capacity requirements. Conducts thorough testing of network design and maintains technical expertise in all areas of cloud network and computer hardware/software interconnection (i.e. routers, multiplexers, firewalls, hubs, bridges, gateways, etc.). Evaluates and reports on new technologies to enhance capabilities of the cloud network. Conducts research on new cloud technologies to fully understand implementation requirements and implications for integration with other network systems. Responsible for the troubleshooting and debugging of increasingly complex network issues, making recommendations for improved operational efficiency, repair, replacement, or upgrades.

Supports clients identify their current security infrastructure and define future programs, design and implementation of firewall and other related security issues on LANs/WANs. Experienced in the administration of switches, routers, firewalls, and other network devices. Expert in engineering best practices, Transport Control Protocol / Internet Protocol (TCP/IP), routing protocols, LAN switching, Internet and Intranet systems, and Simple Network Management Protocol (SNMP) based network management systems. Leads design efforts that require in-depth technical knowledge of both wide area and local area communications. Conducts cloud network performance reviews and comparative analysis of systems and designs based on merit and cost (in terms of capital and ongoing operations); and/or engineering economics (engineering-related cost benefit analysis).

Minimum Experience: 8 years

Minimum Education: Bachelor’s in Engineering, Computer Science, or related field.

**Project Manager I**

**Functional Responsibility:** Directs, administers, and evaluates programs, policies, and procedures in the required program areas. Responsible for managing very complex and/or high-risk programs. Directs daily staff and task activities to meet client and corporate work objectives. Supervises assigned technical and administrative staff, including subordinate managers. Assures quality of task products, services, and deliverables, including participating in reviews, audits, and site visits. Serves as a liaison with clients to coordinate activities, negotiate tasks, and solve problems. Responsible for coordinating and monitoring
subcontractor activities. Implements government programs through a risk and oversight approach for all phases of program activities and identifies risks and problems, proposes solutions, and provides timely and accurate contract deliverables. The PM provides coordination activities between IT Consultants, Cloud Solution Architects, and Cloud Engineers in translating IT strategic goals, roadmaps, and business requirements into future state architectures designed to leverage cutting-edge functionality delivered through cloud service providers. Develops and interprets policies in specific program areas, and provides leadership, coordination, and authoritative advice to top officials in the development of cooperative relationships, resulting in the formulation and execution of progressive and comprehensive programs that meet local, State, and Federal goals objectives.

**Minimum Experience:** 5 years

**Minimum Education:** Bachelor’s in Engineering, Computer Science, or related field.

**Project Manager II**

**Functional Responsibility:** Directs, administers, and evaluates programs, policies, and procedures in the required program areas. Responsible for managing very complex and/or high-risk programs. Directs daily staff and task activities to meet client and corporate work objectives. Supervises assigned technical and administrative staff, including subordinate managers. Assures quality of task products, services, and deliverables, including participating in reviews, audits, and site visits. Serves as a liaison with clients to coordinate activities, negotiate tasks, and solve problems. Responsible for coordinating and monitoring subcontractor activities. Implements government programs through a risk and oversight approach for all phases of program activities and identifies risks and problems, proposes solutions, and provides timely and accurate contract deliverables. The Project Manager (PM) provides coordination activities between Information Technology (IT) Consultants, Cloud Solution Architects, and Cloud Engineers in translating IT strategic goals, roadmaps, and business requirements into future state architectures designed to leverage cutting-edge functionality delivered through Cloud Service Providers (CSP). Develops and interprets policies in specific program areas, and provides leadership, coordination, and authoritative advice to top officials in the development of cooperative relationships, resulting in the formulation and execution of progressive and comprehensive programs that meet local, State, and Federal goals and objectives.

**Minimum Experience:** 12 years

**Minimum Education:** Bachelor’s Degree and PMP
Cloud Cyber Architect

Functional Responsibility: The Cloud Cyber Architect performs hybrid technical role that comprises development and operations. The Engineer must be advanced in coding (infrastructure as code), platforms, process re-engineering and collaborating with multiple groups.

Job Responsibilities:

- Strong Automation experience with Ansible (preferred), or Chef, or Puppet.
- Amazon Web Services (AWS)/Azure experience with development and migration.
- Infrastructure as Code experience required
- Cloud Cyber Architect experience Terraform preferred
- Software Dev/Scripting background in Python Preferred Roles Demonstrated
- CI/CD development and integration experience
- Advance level knowledge of cloud and Dev/Ops domains
- Provide Infrastructure conceptual design & assist developers with application development and implementation of new cloud products and services
- OS & Application Customer Image design and development for our cloud infrastructure
- Produce build and implementation automation for configuration of systems and applications
- Assist with security and audit activities related to Cloud infrastructure
- Provides technical and system engineering support for internal groups and customers
- Assist cross functional teams in troubleshooting and problem identification
- Evaluate and analyze systems, performance, issues, and metrics in order to provide recommendations for service improvements
- Escalation support for Operations
- Lead and or provide technical expertise to special projects as necessary
- Exposure in Microservices and decoupled systems
- Willingness to learn new technologies.
- Ability to understand virtual cloud architectures and layered application and database services with the ability to logically determine root cause of an issue.
- Knowledge of Build and Release engineering.

Minimum Experience: 10 years

Minimum Education: Bachelor's of Science in Information Technology or Engineering Field.

Cyber Accreditation Engineer I

Functional Responsibility: The Cyber Accreditation Engineer must have first-hand knowledge of assessment techniques and tools involved in system authorization. Support customers at the highest levels in the development and implementation of doctrine and policies. Must possess knowledge of DoDAF standards and connection authorizations.

Provide support to plan, coordinate, and implement the organization’s information security.

- A working knowledge of several of the following areas is required: understanding of business cyber security practices and procedures; knowledge of current cyber security tools available; hardware/software firewalls and their implementation; different communication protocols; encryption techniques/tools; familiarity with commercial products and current Internet and
electronic commerce technology.

- Design, develop, engineer, and implement solutions to MLS requirements. Perform complex risk analyses which also include risk assessment.
- Establish and satisfy information assurance and security requirements based upon the analysis of user, policy, regulatory, and resource demands.
- Apply know-how to government and commercial common user systems, as well as to dedicated special purpose systems requiring specialized security features and procedures.
- Perform analysis, design, and development of security features for system architectures

Roles Demonstrated:

- Cloud computing methodologies (PaaS/SaaS/IaaS)
- FISMA
- FedRAMP/AWS
-GovCloud/ Azure Gov
- Network/server topologies and configurations
- POA&M management
- Risk analysis
- Familiarity with NIST publications 830, 839 & 837
- Experience with Xacta or eMASS

Education/Experience:

A bachelor’s degree in a technical discipline (computer science, information systems, Cybersecurity, or related field) or combination of education and relevant job experience.

**Minimum Experience:** 7 years

**Minimum Education:** Bachelor’s of Science in Information Technology or Engineering Field.

**Cyber Security Engineer**

**Functional Responsibility:** The Cyber Engineer/ISSO must have first-hand knowledge of assessment techniques and tools involved in system authorization. Support customers at the highest levels in the development and implementation of doctrine and policies. Must possess knowledge of DoDAF standards and connection authorizations.

Job Responsibilities:

- Provide support to plan, coordinate, and implement the organization’s information security.
- A working knowledge of several of the following areas is required: understanding of business cyber security practices and procedures; knowledge of current cyber security tools available; hardware/software firewalls and their implementation; different communication protocols; encryption techniques/tools; familiarity with commercial products and current Internet and electronic commerce technology.
- Design, develop, engineer, and implement solutions to MLS requirements. Perform complex risk analyses which also include risk assessment.
- Establish and satisfy information assurance and security requirements based upon the analysis of user, policy, regulatory, and resource demands.
• Apply know-how to government and commercial common user systems, as well as to
dedicated special purpose systems requiring specialized security features and procedures.
• Perform analysis, design, and development of security features for system architectures
• Other duties as assigned
• Roles Demonstrated:
  • Cloud computing methodologies (PaaS/SaaS/IaaS)
  • FISMA,
  • FedRAMP/AWS
  • GovCloud/ Azure Gov,
  • Network/server topologies and configurations,
  • POA&M management,
  • Risk analysis,
  • Familiarity with NIST publications 830, 839 & 837.
• Experience with Xacta or eMASS

Education/Experience:
A bachelor’s degree in a technical discipline (computer science, information systems, Cybersecurity
or related field) or combination of education and relevant job experience.

Certifications:
Preferred Certifications (min 1 of the following): IAT Level II /III (CompTIA CASP, Security+) CISA,
CAP, CCNP, CISSP (or associate), CRISC, SSCP

Minimum Experience: 4 years

Minimum Education: Bachelor's of Science in Information Technology or Engineering Field.

Cyber Security Specialist

Functional Responsibility: (1) Minimum of 5 total years of cyber security experience; with at least 10
years of experience within the Federal Government/Industry.

(2) Proven experience in DoD/defense sector managing projects and portfolios similar in size, scope, and
complexity of this Contract.

(3) Provide support to plan, coordinate, and implement the organization’s information security. Provide
support for facilitating and helping agencies identify their current security infrastructure and define
future programs, design and implementation of fire-wall and other related security issues on local area
networks (LANs)/wide area network (WANs). A working knowledge of several of the following areas is
required: understanding of business cyber security practices and procedures; knowledge of current
cyber security tools available; hardware/software firewalls and their implementation; different
communication protocols; encryption techniques/tools; familiarity with commercial products and
current Internet and electronic commerce technology.

(4) Design, develop, engineer, and implement solutions to MLS requirements. Perform complex risk
analyses which also include risk assessment. Establish and satisfy information assurance and security
requirements based upon the analysis of user, policy, regulatory, and resource demands. Support
customers at the highest levels in the development and implementation of doctrine and policies. Apply
know-how to government and commercial common user systems, as well as to dedicated special
purpose systems requiring specialized security features and procedures. Perform analysis, design, and development of security features for system architectures.

(5) Have at least a Bachelor’s degree from an accredited college in cyber security, computer science, electrical engineering, information systems management, related field of study.

(6) Possess information assurance technical/information assurance level three and computing environment certifications, IAW DoD 8570.

**Minimum Experience:** 10 years

**Minimum Education:** Bachelor's of Science in Information Technology or Engineering Field.

**Sr. Cloud Cyber Engineer**

**Functional Responsibility:** The Cyber Security Engineer demonstrates experience with life-cycle management, systems health, and security monitoring to identify system failures, bottlenecks, or intrusions. Must be comfortable working with modern interpreted scripting languages (e.g. Python and/or TypeScript) to automate and provide solutions to business problems. Must have the ability to work independently and achieve objectives on complex projects running simultaneously and complete projects by required due dates.

**Job Responsibilities:**

- Responsibility for being the expert on building, testing, and rolling-out servers and solutions to support Cyber based infrastructure.
- Additional responsibilities as part of this team will include managing the cloud infrastructure and our supporting applications and tools; virtual server management within the infrastructure; being part of the development team in troubleshooting web software errors; and other duties as assigned.
- Provide support for facilitating and helping agencies identify their current security infrastructure and define future programs, design and implementation of fire-wall and other related security issues on LANs/WANs.
- Administration of Cisco switches, routers, firewalls, and other network devices
- Support infrastructure using technology, and engineering best practices; Transport Control Protocol / Internet Protocol (TCP/IP), routing protocols, LAN switching, Internet and Intranet systems, and Simple Network Management Protocol (SNMP) based network management systems. Lead design efforts that require in-depth technical knowledge of both wide area and local area communications.
- Analyze network performance with tools Perform comparative analysis of systems and designs based on merit and cost (in terms of capital and ongoing operations); and/or engineering economics (engineering-related cost benefit analysis).

**Minimum Experience:** 10 years

**Minimum Education:** Bachelor's of Science in Information Technology or Engineering Field.
SIN 54151S

AWS Engineer I

**Functional Responsibility:** Must have experience working with: Windows and Linux, Virtualization tools, Micro segmentation, Scripting (PowerShell, bash, or python) Azure and/or Amazon Web Services (AWS), Application Firewalls, Ports/Protocols, Web Stack management, Container Management, and Content Management System (CMS).

**Minimum Experience:** 4 years

**Minimum Education:** Bachelor's of Science in Information Technology or Engineering Field.

Database Administrator 3

**Functional Responsibility:** Designs, maintains, enhances, and codes relational databases; analyzes and determines information needs and elements, data relationships, and attributes, data flow and storage requirements, and data output and reporting capabilities. Develops data modeling and is responsible for data acquisition and access analysis and design, archive, recovery, and load strategy design and implementation. Coordinates new data development ensuring consistency and integration with existing data warehouse structure; reviews business requests for data and data usage, researches data sources for new and better data feeds; participates in continuous improvement efforts in enhancing performance and providing increased functionality; designs data structures to accommodate database production, storage, maintenance, and accessibility; develops screens and queries; and tests designed applications. May perform upgrades and maintenance of hardware and software; provides technical support and guidance to users; maintains current knowledge of relevant hardware and software applications as assigned; may serve as team or technical task lead and provide guidance and training to lower-level staff; and participates in special projects as required.

**Minimum Experience:** 5 years

**Minimum Education:** Bachelor's of Science in Information Technology or Engineering Field.

Information Architect

**Functional Responsibility:** Defines project scope and objectives and develops detailed work plans, schedules, project estimates, resource plans, and status reports. Conducts project meetings and is responsible for project tracking and analysis. Leads a group of analysts and ensures adherence to quality standards and reviews enterprise architecture deliverables. Applies high-level business and technical principles and methods to very difficult technical problems to arrive at creative solutions. Recommends and takes action to direct the analysis and solutions of problems.

**Minimum Experience:** 6 years

**Minimum Education:** Bachelor's of Science in Information Technology or Engineering Field.
Insider Threat Engineer I

Functional Responsibility: Implements and uses metrics to track and analyze compliance to strategic Insider Threat objectives. Performs data gathering, correlation, and analysis. Assists with analysis of FISMA metrics in relation to already gathered enterprise asset data. Tracks and reports on real world Insider Threat incidents. Supports the maintenance of the program status, compliance information, policy requirements, metrics, service level agreements, and Memorandums of Understanding (MOUs). Facilitates the development of policies and writes Standard Operating Procedures (SOPs) and instructions. Develops presentations and briefs as requested. Provides trend and anomaly analysis; support to insider threat investigative activities; and production of limited scope threat assessments to assist in mitigating identified personnel, physical, and information security vulnerabilities. Makes recommendations relevant to the management of the insider threat program. Conducts liaison with customer community pursuant to the maintenance of the insider threat program. Participates in insider threat hub operations in coordination with authoritative agencies. Gathers facts and relevant data, analyzes data, draws conclusions supported by facts, and develops written reports of findings based on insider threat policies and procedures. Assists in the integration of assessment of assets, threats, and vulnerabilities and assists in weighing the calculated risk against the projected cost of security. Utilizes a structured analytical process to identify physical, information, personnel, and operational protection gaps that could provide an adversary with insights into CPI/critical information.

Minimum Experience: 7 years

Minimum Education: Bachelor's of Science in Information Technology or Engineering Field.

Network Engineer

Functional Responsibility: Troubleshooting network problems and outages with network team and customers to troubleshoot MFP, Router, and Thin Client connectivity. Secures network system by establishing and enforcing policies; defining and monitoring access. Configures and installs various network devices and services (e.g., routers, switches, TACLANES, firewalls, and load balancer). Performs network maintenance and system upgrades including service packs, patches, hot fixes, and security configurations. Has a solid understanding of the OSI or TCP/IP model. Diagnoses problems and solve issues, often under time constraints. Provides network and host based security, incident response, firewall, and VPN management and administration. Implements security tools, performs network security design and integration. Performs regular security monitoring to identify any possible intrusions. Monitors network usage, anticipate problems, and suggest solutions. Works closely with colleagues to meet team goals and improve processes and practices. Performs network packet capture and analysis. Maximizes network performance by monitoring performance. Provides network documentation support.

Minimum Experience: 5 years

Minimum Education: Bachelor's of Science in Information Technology or Engineering Field.

Network Security Engineer I

Functional Responsibility: Provides analysis of local and wide area network systems, including planning, designing, evaluating, selecting, and upgrading operating systems and protocol suites and configuring communication media with concentrators, bridges, and other devices. Resolves interoperability problems to obtain operations across all platforms including email, file transfer, multimedia, teleconferencing, and the like. Configures systems to user requirements. Supports engineering efforts,
system design, troubleshooting, technical discussions, process creations, and continual service improvement activities.

Minimum Experience: 4 years

Minimum Education: Bachelor's of Science in Information Technology or Engineering Field.

Network Security Engineer II

Functional Responsibility: Handles Cisco Firewalls lifecycle management to include design, configuration, code upgrades, and rules management. Troubleshoots firewall issues (set up captures, syslog, etc.). Coordinates plan and executes Change Management (CM) procedures. Helps in troubleshooting customer's network and security issues. Researches industry best practices and makes recommendations. Creates configuration and installation documents. Develops Security policy based on application and customer requirements.

Minimum Experience: 7 years

Minimum Education: Bachelor's of Science in Information Technology or Engineering Field.

Principal Subject Matter Expert (SME)

Functional Responsibility: Responsible for providing the highest level of Information Technology (IT) domain expertise and guidance to the delivery team and stakeholders. Performs all other duties as assigned.

Minimum Experience: 5 years

Minimum Education: Bachelor’s in Computer Science/Information Systems/ Engineering or related field. Advanced degree/ relevant professional certification preferred.

Senior Architect

Functional Responsibility: Provides expert, independent services, and leadership in specialized technical areas. Provides expertise on an as-needed basis to all task assignments. Provides expert advice and assistance in state-of-the-art software/hardware. Coordinates with contractor management and Government personnel to ensure that the problem has been properly defined and that the solution will satisfy the Government’s requirement.

Minimum Experience: 10 years

Minimum Education: Master’s in Information Technology or Engineering Field.

Senior Win10 Desktop Engineer

Functional Responsibility: Works at the highest systems level to provide expert advice and counsel to assigned functional/user area managers and project teams for systems of the most complex nature, often crossing functional lines. Designs major computer systems; coordinates work on subsystems; oversees the integration of new applications with established systems and files; confers with assigned systems users; and evaluates utilization to identify requirements modifications which will facilitate integration, increase efficiency, and/or reduce costs. Investigates new procedures, equipment, and operating systems to determine their usefulness and applicability to operations; assists systems
management in developing systems analysis standards; and provides consultative direction to applications programmers, systems software engineers, computer center operations, and user personnel in the planning and scheduling of systems projects which cross functional lines or are of the most complex nature.

**Minimum Experience:** 10 years

**Minimum Education:** Master’s in Information Technology or Engineering Field.

**Server Engineer**

**Functional Responsibility:** Works at the highest systems level to provide expert advice and counsel to assigned functional/user area managers and project teams for systems of the most complex nature, often crossing functional lines. Designs major computer systems; coordinates work on subsystems; oversees the integration of new applications with established systems and files; confers with assigned systems users and evaluates utilization to identify requirements modifications which will facilitate integration, increase efficiency, and/or reduce costs. Investigates new procedures, equipment, and operating systems to determine their usefulness and applicability to operations; assists systems management in developing systems analysis standards; and provides consultative direction to applications programmers, systems software engineers, computer center operations, and user personnel in the planning and scheduling of systems projects which cross functional lines or are of the most complex nature.

**Minimum Experience:** 7 years

**Minimum Education:** Master’s Degree in Computer Science or Related field.

**SharePoint Engineer**

**Functional Responsibility:** Supports core Windows systems and relevant technologies (e.g. Active Directory, VMware, DNS, etc.). Maintains server and storage technologies with a focus on Infrastructure-as-a-Service (IaaS) Ensures all infrastructure components meet proper performance and capacity standards. Serves as a technical escalation point within the Systems Infrastructure Team for issues and service disruptions. Supports a SharePoint environment with: Site Hierarchy Design and Administration, Search Administration (On premises and cloud), Permissions Management, Governance Development, Implementation, and Content Migration from Version to Version and On Premises to Cloud, Workflow Analysis, Design, and Supports Custom Site and List Design.

**Minimum Experience:** 4 years

**Minimum Education:** Bachelor's of Science in Information Technology or Engineering Field.

**SME II**

**Functional Responsibility:** Responsible for providing highest level of IT domain expertise and guidance to the delivery team and stakeholders. Performs all other duties as assigned.

**Minimum Experience:** 7 years

**Minimum Education:** Bachelor’s in Computer Science/Information Systems/ Engineering or related field. Advanced degree/ relevant professional certification preferred.
**Software Systems Engineer (SSE)**

**Functional Responsibility:** Formulate/define specifications for complex operating software programming applications or modify/maintain complex existing applications using engineering releases and utilities from the manufacturer. Designs, codes, tests, debugs, and documents those programs. Provides overall operating system maintenance, such as sophisticated file maintenance routines, large telecommunications networks, computer accounting, and advanced mathematical/scientific software packages. The requirement is not for software development but rather for software maintenance and support. Evaluates new and existing software products.

**Minimum Experience:** 5 years

**Minimum Education:** Bachelor’s in Computer Science/Information Systems/ Engineering or related field. Advanced degree/ relevant professional certification preferred.

**SME Master VDI**

**Functional Responsibility:** Has substantial expertise in Virtual Desktop Infrastructure (VDI). May direct analyses of requirements for information systems. May direct the design of adaptations to software. May be knowledgeable in process analysis techniques such as flow-charting, process mapping, benchmarking, and activity-based costing. May have subject matter expertise in areas such as facilitation, organizational development, and change management. May have specific expertise in business or functional areas such as Reliability-Centered Maintenance principles and methodology, or logistics policy development. May have demonstrated experience in configuration management, maintenance planning, supply management, outfitting/fitting out, data management, training, or logistics/configuration information systems. May have team lead responsibilities for Subject Matter Expert (SME) I team members.

**Minimum Experience:** 5 years

**Minimum Education:** Bachelor's of Science in Information Technology or Engineering Field.

**System Administrator I**

**Functional Responsibility:** Maintains operating system workstations and servers, in support of business requirements. Performs software installations and upgrades to operating systems and layered software packages. Schedules installations and upgrades and maintains them in accordance with established IT policies and procedures. Ensures workstation/server data integrity by evaluating, implementing, and managing appropriate software and hardware solutions.

**Minimum Experience:** 3 years

**Minimum Education:** Bachelor’s of Science in Information Technology or Engineering Field.

**System Engineer IX**

**Functional Responsibility:** Responsible for the planning and engineering of an organization's systems infrastructure. Includes the implementation and design of hardware and software. Monitors the performance of systems. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.
Manages daily operations in the department responsible for the planning and engineering of an organization's systems infrastructure. Ensures that hardware and/or software are designed and installed in a manner that meets the needs of the organization. Demonstrates expertise in a variety of the field's concepts, practices, and procedures.

**Minimum Experience:** 8 years

**Minimum Education:** Bachelor's of Science in Information Technology or Engineering Field.

**Systems Administrator V**
**Functional Responsibility:** Oversees System Administration processes and assigns personnel to related projects and evaluates their work. Ensures long-term requirements of systems operations and administration are included in the overall information systems planning of the organization. Oversees installation, maintenance, configuration, and integrity of computer systems and operating environments. Implements operating system enhancements that will improve the reliability and performance of the system.

**Minimum Experience:** 8 years

**Minimum Education:** Bachelor's of Science in Information Technology or Engineering Field.

**Systems Engineer I**
**Functional Responsibility:** Performs systems engineering tasks and activities that are broad in nature and are concerned with major systems design, integration, and implementation, including personnel, hardware, software, budgetary, and support facilities and/or equipment. Provides Quality Assurance (QA) review and the evaluation of new and existing software products. Formulates and defines specifications for complex operating software programming applications or modifies/maintains complex existing applications using engineering releases and utilities from the manufacturer.

**Minimum Experience:** 3 years

**Minimum Education:** Bachelor's of Science in Information Technology or Engineering Field.

**Systems Engineer VI**
**Functional Responsibility:** Designs, codes, tests, debugs, and documents programs. Responsible for applications dealing with the overall operating system, such as sophisticated file maintenance routines, large telecommunications networks, computer accounting, and advanced mathematical/scientific software packages. Competent to work at this highest technical level on all phases of software systems programming applications. May have responsibility for the evaluation of new and existing software products. May assist other systems programmers to effectively utilize the system's technical software.

**Minimum Experience:** 5 years

**Minimum Education:** Bachelor's of Science in Information Technology or Engineering Field.

**Systems Engineer VII**
**Functional Responsibility:** Responsible for the planning and engineering of an organization's systems infrastructure. Includes the implementation and design of hardware and software. Monitors the
performance of systems. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department. Manages daily operations in the department responsible for the planning and engineering of an organization's systems infrastructure. Ensures that hardware and/or software are designed and installed in a manner that meets the needs of the organization. Demonstrates expertise in a variety of the field's concepts, practices, and procedures.

**Minimum Experience**: 5 years

**Minimum Education**: Bachelor's of Science in Information Technology or Engineering Field.

**Systems Engineer X**

**Functional Responsibility**: Responsible for the planning and engineering of an organization's systems infrastructure. Includes the implementation and design of hardware and software. Monitors the performance of systems. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complicated tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department. Manages daily operations in the department responsible for the planning and engineering of an organization's systems infrastructure. Ensures that hardware and/or software are designed and installed in a manner that meets the needs of the organization. Demonstrates expertise in a variety of the field's concepts, practices, and procedures.

**Minimum Experience**: 10 years

**Minimum Education**: Bachelor's of Science in Information Technology or Engineering Field.

**Virtualization Engineer**

**Functional Responsibility**: Works at the highest systems level to provide expert advice and counsel to assigned functional/user area managers and project teams for systems of the most complex nature, often crossing functional lines. Designs major computer systems; coordinates work on subsystems; oversees the integration of new applications with established systems and files; confers with assigned systems users and evaluates utilization to identify requirements modifications which will facilitate integration, increase efficiency, and/or reduce costs; investigates new procedures, equipment and operating systems to determine their usefulness and applicability to operations; and assists systems management in developing systems analysis standards and provides consultative direction to applications programmers, systems software engineers, computer center operations, and user personnel in the planning and scheduling of systems projects which cross functional lines or are of the most complex nature.

**Minimum Experience**: 10 years

**Minimum Education**: Master’s in Information Technology or Engineering Field.