GENERAL SERVICES ADMINISTRATION
Federal Supply Service
Authorized Federal Supply Schedule Price List

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 for GSA Advantage!® is: GSAAdvantage.gov.

MULTIPLE AWARD SCHEDULE

Category Attachment Code: F
Title: Information Technology
F02. IT Software Subcategory
FSC/PSC Code: J070

Category Attachment Code: F
Title: Information Technology
F04. IT Software Subcategory
FSC/PSC Code: D399

DeNOVO Solutions LLC
Contract Administrator: Sarah Buck
3950 Lewiston Street
Suite 350
Aurora, CO 80011-1561
Phone: (720) 239-7274
Email Address: gsa.contracts@thedenovo.com

Contract Number:
Pricelist Current through Modification: XX-0000 effective __________

Business Size: SMALL - Minority Owned, Service-Disabled Veteran Owned,
Veteran Owned, Black American Owned

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

1a) Table of awarded special item number(s) with appropriate cross-reference to item descriptions and awarded price(s).
SIN 54151S, 54151SRC, 54151SSTLOC Information Technology Professional Services
SIN 811212, 811212RC, 811212STLOC Maintenance of Equipment, Repair Services and/or Repair/Spare Parts

1b) Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Those contracts that have unit prices based on the geographic location of the customer, should show the range of the lowest price, and cite the areas to which the prices apply.
Not Applicable.

1c) If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate “Not applicable” for this item.
Please see “Labor Category Descriptions”

2. Maximum order: SIN 54151S, 54151SRC, 54151SSTLOC $500,000
SIN 811212, 811212RC, 811212STLOC $500,000

3. Minimum order: $100.00

4. Geographic coverage (delivery area): Domestic

5. Point(s) of production (city, county, and State or foreign country): Columbia, MD;
Aurora, CO;

6. Discount from list prices or statement of net price
All prices herein are net government prices (discounts already deducted).

7. Quantity discounts: N/A

8. Prompt payment terms: N/A
Information for Ordering Officers: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

9a. Government purchase cards are accepted at or below the micro-purchase threshold.

9b. Government purchase cards are accepted above the micro-purchase threshold.

10. Foreign items (list items by country of origin).
11a. **Time of delivery.**
As agreed between contractor and ordering activity.

11b. **Expedited Delivery.**
As agreed between contractor and ordering activity.

11c. **Overnight and 2-day delivery.**
As agreed between contractor and ordering activity.

11d. **Urgent Requirements.**
When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering agency, agencies are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering agency, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract. Ordering Agency can contact Contractor to effect a faster delivery.

12. **F.O.B. point.**
Destination

13a. **Ordering address(es).**
DeNOVO Solutions LLC
3950 Lewiston Drive
Suite 350
Aurora, CO 80011-1561
Phone: (720) 239-7274

13b. **Ordering procedures:** For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA’s) are found in Federal Acquisition Regulation (FAR) 8.405-3.

14. **Payment address.**
DeNOVO Solutions LLC
3950 Lewiston Drive
Suite 350
Aurora, CO 80011-1561
Phone: (720) 239-7274

15. **Warranty provision.**
Not Applicable.

16. **Export packing charges, if applicable.**
As specified in Task Order.

16. **Export packing charges, if applicable.**
Not Applicable.

17. **Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level).**
Contact DeNOVO Solutions LLC.

18. **Terms and conditions of rental, maintenance, and repair (if applicable).**
Not Applicable.

19. **Terms and conditions of installation (if applicable).**
Not Applicable.

20. **Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable).**
Not Applicable.

20a. **Terms and conditions for any other services (if applicable)**
Not applicable.

21. **List of service and distribution points (if applicable).**
Not applicable.

22. **List of participating dealers (if applicable)***
Not Applicable.

23. **Preventive maintenance (if applicable).**
Not Applicable.

24a. **Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants).**
Not Applicable.

24b. **If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g. contractor’s website or other location.)** The EIT standards can be found at: [www.Section508.gov/](http://www.Section508.gov/).
Not Applicable.

25. **Data Universal Number System (DUNS) number.**
831372607

26. **Notification regarding registration in System for Award Management (SAM) database.**
DeNOVO Solutions LLC has registered with the System for Award Management (SAM) database.
Labor Category Descriptions

Labor Category Descriptions 811212

Title: Information Technology (IT) Hardware Technician 1:
Maintain the datacenter hardware. This includes the layout of the raised floors, power, network connectivity management and full inventory management. Tests and analyzes hardware, including system, server software, routers, switches, lines, modems, adapters and servers. Provides technical support / problem resolution for external clients at a customer's location or data center environment. Such activities may include the following as well as other duties as assigned:

Functional responsibility:
Installation of Raised Floor Hardware:
- Install Racks and coordinate power with facilities
- Computer hardware support (Windows, Linux, Mainframe, AUE and other virtual solutions)
- Maintenance and replacement of Storage and Network hardware
- Working with facilities to manage capacity (power, cooling and floor loading)
- Cleanup of unused cables and infrastructure (especially from underfloor areas)

Hardware Lifecycle and Asset Management
- Supporting the shipping and receiving of all assets.
- Support asset management and audit activities
- Conduct asset tagging and management of all datacenter hardware
- Managing standards for surplus hardware and removal of surplus assets that no longer have a business need
- Maintain a current re-usable hardware inventory to improve availability (quicker return to service during outages)
- Pro-Active identification of hardware that needs support or replacement
- Troubleshoot hardware issues, perform upgrades and maintenance support

Competencies, Knowledge, Skills & Abilities:
- Able to perform high volume/low impact tasks following detailed instructions
- Support the deployment of data center infrastructure including server rack/stack/cabling, net devices, and troubleshooting deployment issues
- Provide break/fix support including component replacement, hardware troubleshooting, operating system installation
- Provides Logistics and Asset Management support
- Must have DODI 8570.01-M IAT Level II (minimum) Certification or obtain within 60 days of start
- Must be open to shift work as 24/7 support if needed
- Next Business Day on-site break-fix support –required 7 days a week
- Candidate must be a team player and can adapt in a dynamic, fast-paced environment
- Manage onsite spares and conduct logistical support as needed
- Experience with data center and/or server experience preferred 8 years supporting the Intelligence Community
- Experience in inventory management including annual audit requirements
- Knowledge of SYMETRICOM, SYMET, SPECTRA LOGIC, BROCADE, NIVIDIA, CISCO, and other hardware components
Minimum education/degree required: Must have a Bachelor’s of Science degree in Math, Science or an Engineering related field

Minimum years of experience required: Must have three (3) years of experience

Certifications, if any: None
Title: Information Technology (IT) Hardware Technician 2:
Maintain the datacenter hardware. This includes the layout of the raised floors, power, network connectivity management and full inventory management. Tests and analyzes hardware, including system, server software, routers, switches, lines, modems, adapters and servers. Provides technical support / problem resolution for external clients at a customer's location or data center environment. Such activities may include the following as well as other duties as assigned:

Functional responsibility:
Installation of Raised Floor Hardware:
- Install Racks and coordinate power with facilities
- Computer hardware support (Windows, Linux, Mainframe, AUE and other virtual solutions)
- Maintenance and replacement of Storage and Network hardware
- Inventory Management of all standard hardware and cabling
- Working with facilities to manage capacity (power, cooling and floor loading)
- Cleanup of unused cables and infrastructure (especially from underfloor areas)

Hardware Lifecycle and Asset Management
- Supporting the shipping and receiving of all assets.
- Support asset management and audit activities
- Conduct asset tagging and management of all datacenter hardware
- Managing standards for surplus hardware and removal of surplus assets that no longer have a business need
- Maintain a current re-usable hardware inventory to improve availability (quicker return to service during outages)
- Pro-Active identification of hardware that needs support or replacement
- Troubleshoot hardware issues, perform upgrades and maintenance support
- Work performed at a customer's location or in a data center environment. Performs troubleshooting to isolate and diagnose server/system problems

Competencies, Knowledge, Skills & Abilities:
- Demonstrates basic understanding of a Data Center IT Operations environment and the knowledge to use the software tools utilized to perform day to day functions
- Understand the overall ticket management process
- Able to perform high volume/low impact tasks following detailed instructions
- Support the deployment of data center infrastructure including server rack/stack/cabling, net devices, and troubleshooting deployment issues
- Provide break/fix support including component replacement, hardware troubleshooting, operating system installation
- Provides Logistics and Asset Management support
- Must have DODI 8570.01-M IAT Level II (minimum) Certification or obtain within 60 days of start
- Must be open to shift work as 24/7 support if needed
- Next Business Day on-site break-fix support -required 7 days a week
- Candidate must be a team player and can adapt in a dynamic, fast-paced environment
- Manage onsite spares and conduct logistical support as needed
- Experience with data center and/or server experience preferred 8 years supporting the Intelligence Community
- Two (2) years supporting the Intelligence Community
- Experience in inventory management including annual audit requirements
- Knowledge of SYMETRICOM, SYMET, SPECTRA LOGIC, BROCADE, NVIDIA, CISCO, and other hardware components

**Minimum education/degree required:** Must have a Bachelor of Science degree in Math, Science, or an Engineering related field.

**Minimum years of experience required:** Must have seven (7) years of experience.

**Certifications, if any:** None
Labor Category Descriptions – Special Item Number 54151S

Title: Information Technology (IT) Information Assurance Engineer - Principal:
Information Technology (IT) Information Assurance - Principal to perform information assurance tasks on Information Systems. This principal level Engineer will provide engineering support to maintain high priority operational systems at a high level of availability, will report and document problems based on mission criticality and guidance, and will also support Tier 2/3 Maintainers and Integration Engineers performing Information Assurance (IA) remediation.

Functional responsibility:
- Consolidate and report IA status
- Supports software application maintenance on assigned mission systems running a variety of operating systems to include Unix/Linux and Windows
- Documents and tracks routine and preventative maintenance activities such as application performance, disk utilization, system loading and system monitoring
- Documents, reports, and supports maintainers in the resolution of system outages, or problems encountered during operations of the operational system which may include the collection of diagnostic data, restoring the system to operation, development of workarounds, and other activities necessary for recovery of a system
- Perform system monitoring, analyze and document performance and conduct trend analyses as required
- Support System Engineering groups as required for ongoing analysis and integration efforts
- Support System Maintainers with Basic Input/Output Systems (BIOS) passwords for mission desktops and servers
- Support System Maintainers with compliance of Public Key Enabling (PKE) and Auditing
- Execute the required tasks of inputting the security relevant information into the ICD 503 accreditation application and support continuous monitoring for program maintained systems
- Perform Information Assurance Vulnerability Alerts (IAVA) tracking and reporting
- Support of Information Assurance compliance testing
- Provide technical expertise in developing solutions to meet published security requirement guidelines
- Support maintainers performing technical upgrades, repairs and patches, modifications, or replacement of information security tools and technologies as directed
- Perform and assist with technical investigations of security violations involving customer IT systems information
- Experience presenting technical information to customers, clients and/or internal audiences
- Ability to work effectively with frequent and direct customer interaction in a real-time operational environment
- Must have familiarity of ICD 503 accreditation and Information Assurance Vulnerability Alerts (IAVA) tracking, reporting, and implementation
- Must have knowledge of security best practices and procedures for various network devices and operating systems
- Security+ Certification
- Working knowledge of network protocols and common services
- Experience working with ISSOs or ISSMs in a TS/SCI environment

Minimum education/degree required: Must have a Bachelor of Science degree in a related technical discipline.

Minimum years of experience: Must have a minimum of twenty (20) years of experience.
Certifications, if any: None
**Title: Information Technology (IT) Information Assurance Engineer - Senior:**
Information Technology (IT) Information Assurance Engineer - Senior to perform Information Assurance tasks on Information Systems. This senior level Engineer will provide engineering support to maintain high priority operational systems at a high level of availability, will report and document problems based on mission criticality and guidance, and will also support Tier 2/3 Maintainers and Integration Engineers performing Information Assurance (IA) remediation.

**Functional responsibility:**
- Consolidate and report IA status
- Supports software application maintenance on assigned mission systems running a variety of operating systems to include Unix/Linux and Windows
- Documents and tracks routine and preventative maintenance activities such as application performance, disk utilization, system loading and system monitoring
- Documents, reports, and supports maintainers in the resolution of system outages, or problems encountered during operations of the operational system which may include the collection of diagnostic data, restoring the system to operation, development of workarounds, and other activities necessary for recovery of a system
- Perform system monitoring, analyze and document performance and conduct trend analyses as required
- Support System Engineering groups as required for ongoing analysis and integration efforts
- Support System Maintainers with Basic Input/Output Systems (BIOS) passwords for mission desktops and servers
- Support System Maintainers with compliance of Public Key Enabling (PKE) and Auditing
- Execute the required tasks of inputting the security relevant information into the ICD 503 accreditation application and support continuous monitoring for program maintained systems
- Perform Information Assurance Vulnerability Alerts (IAVA) tracking and reporting
- Support of Information Assurance compliance testing
- Provide technical expertise in developing solutions to meet published security requirement guidelines
- Support maintainers performing technical upgrades, repairs and patches, modifications, or replacement of information security tools and technologies as directed
- Perform and assist with technical investigations of security violations involving customer IT systems information
- Experience presenting technical information to customers, clients and/or internal audiences
- Ability to work effectively with frequent and direct customer interaction in a real-time operational environment
- Must have familiarity of ICD 503 accreditation and Information Assurance Vulnerability Alerts (IAVA) tracking, reporting, and implementation
- Must have knowledge of security best practices and procedures for various network devices and operating systems
- Security+ Certification

**Minimum education/degree required:** Must have a Bachelor of Science degree in a related technical discipline.

**Minimum years of experience:** Must have a minimum of seven (7) years experience.

**Certifications, if any:** None
**Title: Information Technology (IT) IT Sr. Consultant IV:**
Available to support infrastructure implementation, environment management, and service integration activities on information systems being designed/built to meet customer mission needs.

**Functional responsibility:**
- Experience with infrastructure compute, storage, cyber, and network technologies and tools
- Experience using VMware to deploy private cloud systems
- Advanced skills in Linux administration, configuration, and software installation
- Knowledge in scripting skills in Bash, Perl, Python and/or Ruby
- Experience using DevOps build automation tools such as Chef and Puppet to build and maintain multiple environments
- Familiarity with agile implementations of design to requirements
- Ability to understand infrastructure service design artifacts and build environments based on these
- VMware or Linux knowledge
- Exposure to public cloud infrastructures (AWS, Azure, etc.) and build automation tools

**Minimum education/degree required:** Must have a Bachelor’s degree in Science, Technology, Engineering, Mathematics (STEM), or related discipline from an accredited college or university.

**Minimum years of experience:** Must have a minimum of eight (8) years’ experience.

**Certifications, if any:** None
Title: Information Technology (IT) Network Engineer:
A Information Technology (IT) Network Engineer provides support and serves on the Network Administration team including technical support to the Network Administrators and System Administrators, monitoring, and maintaining the current infrastructure, improving system performance, and automating system administration. This positions also develops algorithms used in modules or incorporated into models associated with the research and development of technologies and systems involving one or more of the following areas: traditional circuit switched networks; data networks; access technologies; wireless systems; the media to carry such services; the protocols required for the completion of transport and services; operation of networks; management of network resources; provisioning of resources; traffic and/or performance modeling of such networks.

Functional responsibility:
- Develop algorithms for models using networking and/or telecommunications technologies and systems;
- Design modules representing traditional circuit switched networks;
- Gather needed data to specify system/component performance and interface requirements;
- Conduct data captures to obtain network performance information.
- Provide the Tier 2 support and serves on the Network Administration team.
- Develop algorithms for models using networking and/or telecommunications technologies and systems;
- Provide the Tier 2 support and serves on the Network Administration team.

Minimum education/degree required: Must have a Bachelor’s Degree in Network Engineering or related discipline.

Minimum years of experience: Must have three (3) years of experience as well as three (3) years of relevant professional experience and training commensurate with network engineering curriculums.

Certifications, if any: None
**Title: Information Technology (IT) Principal Engineer:**
Analyze system requirements and leads design and development activities. Guide users in formulating requirements, advises alternative approaches, and conducts feasibility studies. Provide technical leadership for the integration of requirements, design, and technology. Incorporates new plans, designs and systems into ongoing operations. Develop technical documentation. Develop system Architecture and system design documentation. Guide system development and implementation planning through assessment or preparation of system engineering management plans and system integration and test plans. Ultimate responsibility for the technical integrity of work performed and deliverables. Communicate with other program personnel, government overseers, and senior executives.

**Functional responsibility:**
- Understanding of the SE lifecycle and change management process
- Experience with requirements analysis/management
- Experience in functional decomposition, use case development, interface analysis and definition
- Proven ability to meet timelines
- Experience in systems engineering functions including operations concept development, requirements management, technical risk management, interface definition and control
- Demonstrated ability to effectively work with and communicate with all levels of management and individual contributors on the program team

**Minimum education/degree required:** Must have a Bachelor’s degree in Engineering, Science, or Mathematics or related discipline from an accredited college or university.

**Minimum years of experience:** Must have a minimum of fourteen (14) years of experience.

**Certifications, if any:** None
**Title: Information Technology (IT) Software Developer - Engineer/Technical Fellow:**
Shall support customers execution according to Agile/Scaled Agile Framework (SAFe) tenets. Agile tenets include capacity-based planning, rapid delivery of operational capabilities, and automated processes throughout the pipeline, wherever advantageous. The implemented Agile/SAFe approaches shall accommodate changes in program priorities, interfaces, schedule, architecture, and/or interfaces as directed by the Government. A key Agile/SAFe tenet is efficient performance of testing and integration, moving software in route to operations as quickly as possible through changes in processes, automation, and scripts.

**Functional responsibility:**
- Experience in an Agile or DevOps development environment
- Programming experience with Java/C++
- Experience with scripting (Ruby, Perl, Python, etc.)
- Experience with Agile (scrum, Kanban, SAFe, etc.)
- Experience and/or knowledge of DevOps and Continuous Integration
- Experience and/or knowledge with an Integrated Development Environment (IDE) like Eclipse
- Familiarity with Windows and Linux
- Satellite mission management (command and telemetry, flight dynamics or mission planning) experience
- Understanding of RESTful web services
- Experience developing software in a Linux OS environment using tools such as Git and Eclipse
- Experience with Docker and Kubernetes
- Design and development of satellite modeling algorithms
- Demonstrated ability to effectively work with and communicate will all levels of management and individual contributors on the program team
- Experience in architecture design/development of software centric
- Experience using PostgreSQL and experience with Agile processes

**Minimum education/degree required:** Must have a Bachelor’s degree in Engineering, Science, or Mathematics.

**Minimum years of experience required:** Must have twelve (12) years of experience.

**Certifications, if any:** None
Title: Information Technology (IT) Software Developer - Senior Principal Engineer/Technical:
Shall support customers execution according to Agile/Scaled Agile Framework (SAFe) tenets. Agile
tenets include capacity-based planning, rapid delivery of operational capabilities, and automated
processes throughout the pipeline, wherever advantageous. The implemented Agile/SAFe approaches
shall accommodate changes in program priorities, interfaces, schedule, architecture, and/or interfaces as
directed by the Government. A key Agile/SAFe tenet is efficient performance of testing and integration,
moving software in route to operations as quickly as possible through changes in processes, automation,
and scripts.

Functional responsibility:
- Experience in an Agile or DevOps development environment
- Programming experience with Java/C++
- Experience with scripting (Ruby, Perl, Python, etc.)
- Experience with Agile (scrum, Kanban, SAFe, etc.)
- Experience and/or knowledge of DevOps and Continuous Integration
- Experience and/or knowledge with an Integrated Development Environment (IDE) like Eclipse
- Familiarity with Windows and Linux
- Satellite mission management (command and telemetry, flight dynamics or mission planning)
  experience
- Understanding of RESTful web services
- Experience developing software in a Linux OS environment using tools such as Git and Eclipse
- Experience with Docker and Kubernetes
- Design and development of satellite modeling algorithms
- Demonstrated ability to effectively work with and communicate will all levels of management
  and individual contributors on the program team
- Experience in architecture design/development of software centric
- Experience using PostgreSQL and experience with Agile processes

Minimum education/degree required: Must have a Bachelor’s degree in Engineering, Science, or
Mathematics.

Minimum years of experience required: Must have a minimum of twelve (12) years of experience.

Certifications, if any: None
Title: Information Technology (IT) Software Developer (Principal):
Develops, maintains, and enhances complex and diverse software systems (e.g., processing-intensive analytics, novel algorithm development, manipulation of extremely large data sets, real-time systems, and business management information systems) based upon documented requirements. Works individually or as part of a team. Reviews and tests software components for adherence to the design requirements and documents test results. Resolves software problem reports. Utilizes software development and software design methodologies appropriate to the development environment.

Functional responsibility:
- Analyze user requirements to derive software design and performance requirements
- Debug existing software and correct defects
- Provide recommendations for improving documentation and software development process standards
- Design and code new software or modify existing software to add new features
- Integrate existing software into new or modified systems or operating environments
- Develop simple data queries for existing or proposed databases or data repositories
- Write or review software and system documentation
- Serve as team lead at the level appropriate to the software development process being used on any particular project
- Design or implement complex database or data repository interfaces/queries
- Develop or implement algorithms to meet or exceed system performance and functional standards
- Assist with developing and executing test procedures for software components
- Develop software solutions by analyzing system engineers; analyze systems flow, data usage areas performance standards confer with users or and work processes; and investigate problem
- Modify existing software to correct errors, to adapt to new hardware, or to improve its performance
- Design, develop and modify software systems, using scientific analysis and mathematical models to predict and measure outcome and consequences of design to adapt to new hardware, or to improve its
- Design or implement complex algorithms requiring adherence to strict timing, system resource, or interface constraints; Perform quality control on team products
- Implement recommendations for improving documentation and software development process standards
- Oversee one or more software development teams and ensure the work is completed in accordance with the constraints of the software development process being used on any particular project
- Coordinate software system installation and monitor equipment functioning to ensure operational specifications are met

Minimum education/degree required: Must have a Bachelor’s degree in Computer Science of related discipline from an accredited college or university.

Minimum years of experience required: Must have a minimum of fourteen (14) years of experience
Certifications, if any: None
Title: Information Technology (IT) Software Engineer I:
The Information Technology (IT) Software Engineer I develops, maintains, and enhances complex and diverse software systems (e.g., processing-intensive analytics, novel algorithm development, manipulation of extremely large data sets, real-time systems, and business management information systems) based upon documented requirements. Works individually or as part of a team. Reviews and tests software components for adherence to the design requirements and documents test results. Resolves software problem reports. Utilizes software development and software design methodologies appropriate to the development environment. Provides specific input to the software components of system design to include hardware/software trade-offs, software reuse, use of Commercial-Off-the-Shelf (COTS)/Government-Off-the-Shelf (GOTS) in place of new development, and requirements analysis and synthesis from system level to individual software components.

Functional responsibility:
Develops or implements algorithms that meet or exceed system performance and functional standards.
- Assists with developing and executing test procedures for software components. Writes or reviews software and system documentation.
- Develop software solutions by analyzing system performance standards, conferring with users or system engineers; analyzing systems flow, data usage and work processes; and investigating problem areas.
- Serve as team lead at the level appropriate to the software development process being used on any particular project.
- Modify existing software to correct errors, to adapt to new hardware, or to improve its performance.
- Design, develop and modify software systems, using scientific analysis and mathematical models to predict and measure outcome and consequences of design.
- Design or implement complex database or data repository interfaces/queries
- Significant experience in Python and Java. Some experience with C or C++. Ability to do development independently or as a part of a multi-discipline engineering team. Ability to optimize and debug existing code to meet customer demands. Understanding multiple wired and wireless communications protocols and how to implement them in software. Comfortable working with low powered Linux based single board computers.

Minimum education/degree required: Must have a Bachelor’s degree in Computer Science or related discipline from an accredited college or university is required.

Minimum years of experience required: Must have three (3) years of software engineering experience in programs and contracts of similar scope, type and complexity is required.

Certifications, if any: None
Title: Information Technology (IT) Software Engineer II:
The Information Technology (IT) Software Engineer II develops, maintains, and enhances complex and diverse software systems (e.g., processing-intensive analytics, novel algorithm development, manipulation of extremely large data sets, real-time systems, and business management information systems) based upon documented requirements. Works individually or as part of a team. Reviews and tests software components for adherence to the design requirements and documents test results. Resolves software problem reports. Utilizes software development and software design methodologies appropriate to the development environment. Provides specific input to the software components of system design to include hardware/software trade-offs, software reuse, use of Commercial-Off-the-Shelf (COTS)/Government-Off-the-Shelf (GOTS) in place of new development, and requirements analysis and synthesis from system level to individual software components.

Functional responsibility:
- Oversees one or more software development teams and ensures the work is completed in accordance with the constraints of the software development process being used on any particular project.
- Design or implement complex algorithms requiring adherence to strict timing, system resource, or interface constraints; Perform quality control on team products.
- Confer with system engineers and hardware engineers to derive software requirements and to obtain information on project limitations and capabilities, performance requirements and interfaces.
- Coordinate software system installation and monitor equipment functioning to ensure operational specifications are met.
- Implement recommendations for improving documentation and software development process standards.
- Using Java 8 or higher
- Experience developing web applications using the Java Spring Framework
- Some experience with HTML/JavaScript
- Comfortable developing w/the Eclipse IDE on a Windows platform
- Experience w/Docker containers a plus
- Experience using Subversion for software configuration management a plus
- Experience developing scripts for use on a Windows platform a plus
- Code/develop/integrate modify software in C, C++, Java and other commonly used programming languages.

Minimum education/degree required: Must have a Bachelor’s degree in Computer Science or related discipline from an accredited college or university is required.

Minimum years of experience required: Must have seven (7) years software engineering experience in programs and contracts of similar scope, type and complexity is required.

Certifications, if any: None
**Title: Information Technology (IT) Software Engineer III:**
The Information Technology (IT) Software Engineer III develops, maintains, and enhances complex and diverse software systems (e.g., processing-intensive analytics, novel algorithm development, manipulation of extremely large data sets, real-time systems, and business management information systems) based upon documented requirements. Works individually or as part of a team. Reviews and tests software components for adherence to the design requirements and documents test results. Resolves software problem reports. Utilizes software development and software design methodologies appropriate to the development environment. Provides specific input to the software components of system design to include hardware/software trade-offs, software reuse, use of Commercial Off-the-shelf (COTS)/Government Off-the-shelf (GOTS) in place of new development, and requirements analysis and synthesis from system level to individual software components.

**Functional responsibility:**
- Analyze user requirements to derive software design and performance requirements.
- Debug existing software and correct defects.
- Provide recommendations for improving documentation and software development process standards.
- Design and code new software or modify existing software to add new features.
- Integrate existing software into new or modified systems or operating environments.
- Develop simple data queries for existing or proposed databases or data repositories.
- Write or review software and system documentation.
- Serve as team lead at the level appropriate to the software development process being used on any particular project.
- Design or implement complex database or data repository interfaces/queries.
- Develop or implement algorithms to meet or exceed system performance and functional standards.
- Assi st with developing and executing test procedures for software components.
- Develop software solutions by analyzing system performance standards, confer with users or system engineers; analyze systems flow, data usage and work processes; and investigate problem areas.
- Modify existing software to correct errors, to adapt to new hardware, or to improve its performance.
- Design, develop and modify software systems, using scientific analysis and mathematical models to predict and measure outcome and consequences of design.
- Design or implement complex algorithms requiring adherence to strict timing, system resource, or interface constraints; Perform quality control on team products.
- Implement recommendations for improving documentation and software development process standards.
- Oversee one or more software development teams and ensure the work is completed in accordance with the constraints of the software development process being used on any particular project.
- Confer with system engineers and hardware engineers to derive software requirements and to obtain information on project limitations and capabilities, performance requirements and interfaces.
- Coordinate software system installation and monitor equipment functioning to ensure operational specifications are met.
- Recommend new technologies and processes for complex software projects
- Serve as the technical lead of multiple software development teams.
- Select the software development process in coordination with the customer and system engineering.
- Ensure quality control of all developed and modified software.
- Delegate programming and testing responsibilities to one or more teams and monitor their performance.

**Minimum education/degree required:** Must have a Bachelor’s degree in Computer Science or related discipline from an accredited college or university is required.

**Minimum years of experience required:** Must have twenty (20) years’ experience as a Software Engineer (SWE) in programs and contracts of similar scope, type, and complexity is required.

**Certifications, if any:** None
Title: Information Technology (IT) Software Test Engineer - Principal:
The requirements are for Information Technology (IT) Software Test Engineer - Principal support provided by individual(s) with varying levels of experience in the field of systems engineering and/or project management. Individual must be able to perform independently while representing the best interests of the Customer. Superior communication skills are required. Strong diplomacy skills in a mixed contractor/customer environment are absolutely necessary. Individuals must be able to advocate customer interests and positions as their own.

Functional responsibility:
- Perform test of modified software capabilities.
- Support the installation and test of new or modified capabilities into the operational baseline.
- Assess and evaluate test activities, review test results and provide assessments to the Government.

Minimum education/degree required: Must have a minimum of a Bachelor’s of Science degree in a related technical discipline.

Minimum years of experience required: Must have a minimum of seven (7) years of experience

Certifications, if any: None
**Title: Information Technology (IT) Software Test Engineer - Senior:**
The requirements are for Information Technology (IT) Software Test Engineer support provided by individual(s) with varying levels of experience in the field of systems engineering and/or project management. Individual must be able to perform independently while representing the best interests of the Customer. Superior communication skills are required. Strong diplomacy skills in a mixed contractor/customer environment are absolutely necessary. Individuals must be able to advocate customer interests and positions as their own.

**Functional responsibility:**
- Perform test of modified software capabilities.
- Support the installation and test of new or modified capabilities into the operational baseline.
- Assess and evaluate test activities, review test results and provide assessments to the Government.

**Minimum education/degree required:** Must have a Bachelor’s of Science degree in a related technical discipline.

**Minimum years of experience required:** Must have a minimum of twenty (20) years of experience.

**Certifications, if any:** None
**Title: Information Technology (IT) System Engineer - Director I:**

Shall support customers execution according to Agile/Scaled Agile Framework (SAFe) tenets. Agile tenets include capacity-based planning, rapid delivery of operational capabilities, and automated processes throughout the pipeline, wherever advantageous. The implemented Agile/SAFe approaches shall accommodate changes in program priorities, interfaces, schedule, architecture, and/or interfaces as directed by the Government. A key Agile/SAFe tenet is efficient performance of testing and integration, moving software in route to operations as quickly as possible through changes in processes, automation, and scripts.

**Functional responsibility:**
- Experience in an Agile or DevOps development environment
- Understanding of the SE lifecycle and change management process
- Experience with requirements analysis/management
- Experience in functional decomposition, use case development, interface analysis and definition
- Knowledge of and experience working in Dynamic Object-Oriented Requirements System (DOORS)
- Proven ability to meet timelines
- Experience in systems engineering functions including operations concept development, requirements management, technical risk management, interface definition and control
- Knowledge of component level integration and test
- Demonstrated ability to effectively work with and communicate with all levels of management and individual contributors on the program team
- Excellent written and oral communication skills, including presentation skills
- Experience with Microsoft Office suite of tools
- Satellite mission management (command and telemetry, flight dynamics or mission planning) experience

**Minimum education/degree required:** Must have a Bachelor’s degree in Science, Technology, Engineering, and Mathematics (STEM).

**Minimum years of experience required:** Must have a minimum of twenty (20) years of demonstrated engineering experience with a proven track record.

**Certifications, if any:** None
Title: Information Technology (IT) System Engineer – Senior Principal Engineer/Technical:
Shall support customers execution according to Agile/Scaled Agile Framework (SAFe) tenets. Agile tenets include capacity-based planning, rapid delivery of operational capabilities, and automated processes throughout the pipeline, wherever advantageous. The implemented Agile/SAFe approaches shall accommodate changes in program priorities, interfaces, schedule, architecture, and/or interfaces as directed by the Government. A key Agile/SAFe tenet is efficient performance of testing and integration, moving software in route to operations as quickly as possible through changes in processes, automation, and scripts.

Functional responsibility:
- Experience in an Agile or DevOps development environment
- Understanding of the SE lifecycle and change management process
- Experience with requirements analysis/management
- Experience in functional decomposition, use case development, interface analysis and definition
- Knowledge of and experience working in Dynamic Object-Oriented Requirements System (DOORS)
- Proven ability to meet timelines
- Experience in systems engineering functions including operations concept development, requirements management, technical risk management, interface definition and control
- Knowledge of component level integration and test
- Demonstrated ability to effectively work with and communicate with all levels of management and individual contributors on the program team
- Excellent written and oral communication skills, including presentation skills
- Experience with Microsoft Office suite of tools
- Satellite mission management (command and telemetry, flight dynamics or mission planning) experience

Minimum education/degree required: Must have a Bachelor’s degree in Engineering, Science, or Mathematics.

Minimum years of experience required: Must have eight (8) years of experience demonstrated engineering experience with a proven track record.

Certifications, if any: None
Title: Information Technology (IT) System Engineer – Principal Engineer/Technical:
Shall support customers execution according to Agile/Scaled Agile Framework (SAFe) tenets. Agile tenets include capacity-based planning, rapid delivery of operational capabilities, and automated processes throughout the pipeline, wherever advantageous. The implemented Agile/SAFe approaches shall accommodate changes in program priorities, interfaces, schedule, architecture, and/or interfaces as directed by the Government. A key Agile/SAFe tenet is efficient performance of testing and integration, moving software in route to operations as quickly as possible through changes in processes, automation, and scripts.

Functional responsibility:
- Experience in an Agile or DevOps development environment
- Understanding of the SE lifecycle and change management process
- Experience with requirements analysis/management
- Experience in functional decomposition, use case development, interface analysis and definition
- Knowledge of and experience working in Dynamic Object-Oriented Requirements System (DOORS)
- Proven ability to meet timelines
- Experience in systems engineering functions including operations concept development, requirements management, technical risk management, interface definition and control
- Knowledge of component level integration and test
- Demonstrated ability to effectively work with and communicate with all levels of management and individual contributors on the program team
- Excellent written and oral communication skills, including presentation skills
- Experience with Microsoft Office suite of tools
- Satellite mission management (command and telemetry, flight dynamics or mission planning) experience

Minimum education/degree required: Must have Bachelor’s degree in Engineering, Science, or Mathematics

Minimum years of experience required: Must have ten (10) years of experience demonstrated engineering experience with a proven track record.

Certifications, if any: None
**Title: Information Technology (IT) Systems Administrator I:**
Provides support for implementation, troubleshooting and maintenance of Information Technology (IT) Information Technology (IT) systems. Manages IT system infrastructure and any processes related to these systems. Provides support to IT systems including day today operations, monitoring and problem resolution for all of the client/server/storage/network devices, mobile devices, etc. Provides Tier 1 (Help Desk) and Tier 2 (Escalation) problem identification, diagnosis and resolution of problems. Provides support for the escalation and communication of status to agency management and internal customers. Provides support for the dispatch system and hardware problems and remains involved in the resolution process. Configures and manages UNIX and Windows operating systems and installs/loads operating system software, troubleshoots, maintains integrity and configures network components along with implementing operating systems enhancements to improve reliability and performance.

**Functional responsibility:**
- (U) Provides support for implementation, troubleshooting and maintenance of IT systems
- (U) Manages the daily activities of configuration and operation of IT systems (U)
- Provides Tier 1 (Help Desk) problem identification, diagnosis and resolution of problems
- (U) Provide assistance to users in accessing and using IT systems
- (U) Provides support to IT systems including day today operations, monitoring and problem resolution for all of the client/server/storage/network devices, mobile devices, etc.
- (U) Provides Tier 1 (Help Desk) and Tier 2 (Escalation) problem identification, diagnosis and resolution of problems
- (U) Provides support for the escalation and communication of status to agency management and internal customers
- (U) Optimizes system operations and resource utilization, and performs system capacity analysis and planning

**Minimum education/degree required:** Must have a Bachelor’s degree in a technical discipline from an accredited college

**Minimum years of experience required:** Must have three (3) years of experience in programs and contracts of similar scope, type, and complexity within the federal government is required.

**Certifications, if any:** None
Title: Information Technology (IT) Systems Administrator II:
Provide system administration and software support for field exploitation systems and lab environments with the client program. Perform Linux system setup and management for both physical and virtual operating systems (OSs), to include provisioning, configuration, patching and update management, platform securing/hardening. Provide manual and automated system management across widely dispersed Linux systems. Provide drastic system scalability (e.g., from 2 systems to 200 systems via virtualization). Administer and configure virtual machines and VM clusters. Communicate with software developers and other team members to gather requirements and implement solutions. Work with developers of existing systems to understand how they want their current systems to be virtualized. Automate system administration functionality (e.g., provide automatic patch installation). Research, evaluate and recommend methods and products for protecting computer data and applications. Develop technical documentation to include system administration architecture documentation and diagrams, configurations, baselines, administrative procedures and instructions. Coordinate with developers to define operational system security requirements, develop System Security Plans and related security documentation and coordinate system security accreditation and authorizations. Perform system administrator functions and provide support for integrating security solutions into multiple systems, to include:

- Assist multiple teams with system security related activities
- Identify security weaknesses and propose technical solutions to mitigate them
- Upgrade and enhance system functionality based on customer feedback
- Document system operational functionality, OS setup and configuration, configuration and use of management tools, and SA processes and procedures
- Perform laboratory system testing
- Perform maintenance functions for existing systems within the projects

Functional responsibility:

- Administering Linux/Unix systems
- General understanding and experience working with and configuring Linux disk encryption
- Administering Linux Volume Manager
- Experience provisioning systems, configurating systems, patching and managing systems, and securing/hardening systems
- Administering VMWare
- Experience in developing and implementing system configuration scripts in Perl, Bourne Bash and/or C-Shell
- Experience creating documentation to outline processes and procedures
- Linux firewall configuration (ip tables)
- Kickstart
- NAT and gateway setup
- Remote server management
- Server certificates (environment specific), encryption and secure protocols
- Puppet
- Ansible
- Yum
- Scripting languages to include but not limited to Bash, Perl, Python
- Use of management tools
- Building RPMs
- Cobbler
- Experience deploying software updates to remote systems
- Experience configuring and maintaining Cisco switches and routers
Minimum education/degree required: Must have a Bachelor’s degree in a technical discipline.

Minimum years of experience required: Must have seven (7) years experience as an SA in programs and contracts of similar scope, type, and complexity.

Certifications, if any: None
Title: Information Technology (IT) System Engineer I:
Analyzes user's requirements, concept of operations documents, and high level system architectures to develop system requirements specifications. Analyzes system requirements and leads design and development activities. Guides users in formulating requirements, advises alternative approaches, and conducts feasibility studies. Provides technical leadership for the integration of requirements, design and technology. Incorporates new plans, designs, and systems into ongoing operations. Develops technical documentation. Develops system Architecture and system design documentation. Guides system development and implementation planning through assessment or preparation of system engineering management plans and system integration and test plans. Interacts with the Government regarding Systems Engineering technical considerations and for associated problems, issues, or conflicts. Ultimate responsibility for the technical integrity of work performed and deliverables associated with the Systems Engineering area of responsibility. Communicates with other program personnel, government overseers, and senior executives.

Functional responsibility:
- Build, integrate, maintain customer systems.
- Create/update drawings.
- Feedback into system design.
- Make hardware/software/RF recommendations.
- Initial system configurations (network, OS, software, power/environmental monitors, …)
- Periodic system optimization. Kickstart/VMware based virtualized deployment environment.
- Test/evaluate new hardware/software to meet future customer requirements. Troubleshoot issues escalated by help desk. Respond to security incident reports.
- Patch/update COTS/GOTS software and Oss.
- Create/maintain custom scripts for managing hundreds of deployed customer systems (VMs/physical servers) Bash, Perl, PowerShell.
- Update documentation as needed to capture current system setup/status to meet configuration management requirement
- SIGINT: Understanding of RF: HF, VHF, UHF, VLF, SHF SIGINT Systems

Minimum education/degree required: Must have a Bachelor’s degree in System Engineering, Computer Science, Information Systems, Engineering Science, Engineering Management or related discipline from an accredited college or university is required.

Minimum years of experience required: Must have three (3) years of system engineering experience in programs and contracts of similar scope, type and complexity within the Federal Government is required.

Certifications, if any: None
Title: Information Technology (IT) System Engineer II:
Analyzes user's requirements, concept of operations documents, and high level system architectures to
develop system requirements specifications. Analyzes system requirements and leads design and
development activities. Guides users in formulating requirements, advises alternative approaches, and
conducts feasibility studies.

Functional responsibility:
• Provides technical direction for the development, engineering, interfacing, integration, and testing
  of all components of complex hardware/software systems to include requirements elicitation,
analysis and functional allocation, conduction systems requirements reviews, developing concepts
  of operation and interface standards, developing system architectures, and performing
  technical/non-technical assessment and management as well as end-to-end flow analysis.
• Conducts and/or approves end-to-end system trade analyses to optimize operations over its life-
cycle through the proper balance of non-functional system performance areas.
• Improves standard integration strategies based upon rationale for previous decisions that resulted
  in improved integration performance.
• Fully defines interfaces in terms of origination, destination, stimulus, and data characteristics for
  software; and electrical and mechanical characteristics of hardware.
• Maintains knowledge of current and evolving agency, national, and international standards
  applicable to the system development of interest.
• Applies and enforces use of suitable standards to ensure consistency and interoperability of
  developer hardware and software.
• Ensures effective, periodic review and control of the evolving configuration of a system, both
  hardware and software components and associated documentation, during the life of the system.
• Develops system design alternatives that consider life cycle cost, reuse, complexity, risk, system
  expansion and growth.

Domain Experience
Computer Network Operations:
• Utility Computing; Network Management; Virtualization; Cloud Computing; Ozone
  Widget Framework (OWF)
• Circuit-switched networks, IP networks, encryption equipment, multiplexers, cross-
  connect systems, network protocols, routers & switches
• Smart data tagging; virtual computing; thin clients applications

SIGINT:
• Understanding of RF: HF, VHF, UHF, VLF, SHF SIGINT Systems
• Modern wireless communication signals; Airborne; Airborne (CROFA)
• Geolocation, Ground-Based, Algorithm design & prototyping; FORNSAT; Terrestrial
  Radio Frequency (TRF)
• Overhead
• Joint program collection platforms and dataflow architectures; signals characterization
  analysis; ClanSig collection platforms and architectures

Other:
• Tower-climbing training and certification in accordance with OSHA 29 CFR 1926.502 &
  503
• Agilent Blackbird, GIS and GIS based RF propagation Tools, GeoSM tools, Spectrum
  XXI, ACES/JACS, SPEED, Coalition Joint Spectrum Management Planning Tool
  (CJSMPPT), NTIA/FCC/Pub 7 Manuals/Pub 8, Host Nation Spectrum Worldwide
  Database

ELINT

Scripting language; Linux/RedHat

High level of tactical military experience and knowledge

Ability to score a minimum of 80% in each event on a standard Army or Marine Corps physical fitness test

FAA Class 3 physical and aerospace physiology and training requirements

Contract-level technical oversight

**Minimum education/degree required:** Must have a minimum of a Bachelor’s degree in System Engineering, Computer Science, Information Systems, Engineering Science, Engineering Management or related discipline from an accredited college or university is required.

**Minimum years of experience required:** Must have seven (7) years of system engineering experience in programs and contracts of similar scope, type and complexity within the Federal Government is required.

**Certifications, if any:** None
Title: Information Technology (IT) System Engineer III:
Analyzes user's requirements, concept of operations documents, and high level system architectures to develop system requirements specifications. Analyzes system requirements and leads design and development activities. Guides users in formulating requirements, advises alternative approaches, and conducts feasibility studies. Provides technical direction for the development, engineering, interfacing, integration, and testing of all components of complex hardware/software systems to include requirements elicitation, analysis and functional allocation, conduction systems requirements reviews, developing concepts of operation and interface standards, developing system architectures, and performing technical/non-technical assessment and management as well as end-to-end flow analysis. Conducts and/or approves end-to-end system trade analyses to optimize operations over its life-cycle through the proper balance of non-functional system performance areas. Improves standard integration strategies based upon rationale for previous decisions that resulted in improved integration performance. Fully defines interfaces in terms of origination, destination, stimulus, and data characteristics for software, and electrical and mechanical characteristics of hardware. Maintains knowledge of current and evolving agency, national, and international standards applicable to the system development of interest. Applies and enforces use of suitable standards to ensure consistency and interoperability of developer hardware and software. Ensures effective, periodic review and control of the evolving configuration of a system, both hardware and software components and associated documentation, during the life of the system. Develops system design alternatives that consider life cycle cost, reuse, complexity, risk, system expansion and growth.

Functional responsibility:

- Utility Computing; Network Management; Virtualization; Cloud Computing; Ozone Widget Framework (OWF)
- Circuit-switched networks, IP networks, encryption equipment, multiplexers, cross-connect systems, network protocols, routers & switches
- Smart data tagging; virtual computing; thin clients applications
- SIGINT:
  - Understanding of RF: HF, VHF, UFH, VLF, SHF SIGINT Systems
  - Modern wireless communication signals; Airborne; Airborne (CROFA)
- Geolocation, Ground-Based, Algorithm design & prototyping; FORNSAT; Terrestrial Radio Frequency (TRF)
- Overhead
- Joint program collection platforms and dataflow architectures; signals characterization analysis; ClanSig collection platforms and architectures
- Other:
  - Tower-climbing training and certification in accordance with OSHA 29 CFR 1926.502 & 503
  - ELINT
  - Scripting language; Linux/RedHat
  - High level of tactical military experience and knowledge
  - Ability to score a minimum of 80% in each event on a standard Army or Marine Corps physical fitness test
• FAA Class 3 physical and aerospace physiology and training requirements
• Contract-level technical oversight

Minimum education/degree required: Must have a Bachelor’s degree in System Engineering, Computer Science, Information Systems, Engineering Science, Engineering Management or related discipline from an accredited college or university is required.

Minimum years of experience required: Must have a minimum of twenty (20) years of system engineering experience in programs and contracts of similar scope, type and complexity within the Federal Government is required. Demonstrated experience in planning and leading Systems Engineering efforts is required.

Certifications, if any: None
Title: Information Technology (IT) Technical Solutions Architect – Database Product:
Provide technical subject matter expert (SME) support in reviewing large transformation complex technical solutions / data models in terms of compliance to requirements, efficiency of solution or implementation.

Functional responsibility:
- Ability to Detail Reference Architecture to Sprints/POD s
- Evaluate and select appropriate software or hardware and suggest integration methods
- Collaborate with alliances to bring best practices on various technologies and tools
- Experience in defining technical solutions using cloud based solutions (e.g. AWS, Azure, Google Cloud Platform)
- Must understand the full SDLC, and have experience leading Agile Teams; Serum Master, or other agile, certification is a plus
- Hands-on experience and/or deep knowledge of digital transformation technical domains (e.g. microservices, containers, cloud native development, API management, mobile development
- Experience in project management and service-oriented architect (SOA)
- Knowledge of selected coding languages (e.g. JavaScript, Java)
- Familiarity with various operating systems (e.g. Windows, UNIX) databases (e.g. MySQL)
- Experience in modern Database techniques
- Must understand the full SDLC, and have experience leading Agile Teams; Serum Master, or other agile, certification is a plus and Domain

Minimum education/degree required: Must have a Bachelor’s of Science degree in a related technical discipline.

Minimum years of experience required: Must have a minimum of fourteen (14) years of strong delivery experience with at least three (3) or more years managing ADM delivery, COTS and/or Custom Applications. Additional experience in managing CIS/DevOps/Agile Delivery.

Certifications, if any: None
Title: Information Technology (IT) Technical Writer I:
Responsible for the preparation, review, revision, and maintenance of technical documents including software and system engineering, system operation, testing, and user documentation. Writes and edits technical documentation for all of the project’s hardware and software to include installation, configuration and how-to documentation. Creates code documentation for software; produces implementation guides and end-user guides for capabilities; provides field, data definition, and data flow documentation and data flow documentation and formats technical publications from pamphlets, technical drawings

Functional responsibility:
- Understands basic concepts (to include basic grammar concepts), responsible for writing technical copy for various types of document(U) Assists in preparing and maintaining operations documentation, user guides and manuals and technical publications
- Gathers technical information, prepares written text
- May maintain a current internal documentation library
- Uses multiple word processing and presentation tools such as MS Word, PowerPoint, and Visio etc.
- Understands basic concepts, responsible for writing technical copy for various types of documents for a program/project of similar complexity
- Responsible for preparing and maintaining operations documentation, user guides and manuals and technical publications
- Responsible for preparing reports, responses, and briefings targeted to a wide range of audiences
- Works with developers to produce quality documentation and training materials
- Coordinates layout and design of documents
- Works on all phases of documentation

Minimum education/degree required: Must have an Associates degree in a technical discipline from an accredited college or university is required.

Minimum years of experience required: Must have three (3) years of experience in programs and contracts of similar scope, type and complexity within the federal government is required.

Certifications, if any: None
Title: Information Technology (IT) Test Engineer II:
Experience in testing through a full system development life-cycle and implementing test plans, test cases, test processes, have documenting test results for corrective actions, reporting, and audits. Experience with JRuby and/or other unit testing tools. Experience testing systems from existing system and functional specifications with an intelligence community or signals intelligence activity. Experience using automated test tools and related CASE applications, such as Rational TeamTest, Rational ClearQuest, WinRunner, etc. developing test cases and plans from requirements documentation.

Functional responsibility:
- Experience with some of the following: analyzing test data, writing test scripts, utilizing CM tools; test automation development or some demonstrated development experience; performance / load / stress testing; data interface testing; data migration testing; user interface testing; security testing; code coverage tools; systems integration testing; and/or web server, OS, and/or SQL database setup and administration is desired.
- Experience with XML, Java, C++, database interface, SOLARIS and/or LINUX, and Windows system programming is desired.

Minimum education/degree required: Must have a Bachelor’s degree in a related field (e.g. Business Management, Computer Science, Electrical Engineering, Information Management, Program Management etc).

Minimum years of experience required: Must have a minimum of three (3) years experience.

Certifications, if any: None
<table>
<thead>
<tr>
<th>Labor Category Title</th>
<th>Unit</th>
<th>GSA Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Special Item Number (SIN) 811212 – Maintenance of Equipment, Repair Services, and/or Repair/Spare Parts</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information Technology (IT) Hardware Technician 1</td>
<td>Per hour</td>
<td>$119.57</td>
</tr>
<tr>
<td>Information Technology (IT) Hardware Technician 2</td>
<td>Per hour</td>
<td>$137.31</td>
</tr>
<tr>
<td><strong>Special Item Number (SIN) 54151S – Information Technology Professional Services</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information Technology (IT) Information Assurance Engineer - Principal</td>
<td>Per hour</td>
<td>$140.91</td>
</tr>
<tr>
<td>Information Technology (IT) Information Assurance Engineer - Senior</td>
<td>Per hour</td>
<td>$130.91</td>
</tr>
<tr>
<td>Information Technology (IT) IT Sr. Consultant IV</td>
<td>Per hour</td>
<td>$112.20</td>
</tr>
<tr>
<td>Information Technology (IT) Network Engineer</td>
<td>Per hour</td>
<td>$108.32</td>
</tr>
<tr>
<td>Information Technology (IT) Principal Engineer</td>
<td>Per hour</td>
<td>$240.38</td>
</tr>
<tr>
<td>Information Technology (IT) Software Developer - Engineer/Technical Fellow</td>
<td>Per hour</td>
<td>$189.62</td>
</tr>
<tr>
<td>Information Technology (IT) Software Developer - Information Technology (IT) Senior Principal Engineer/Technical Fellow</td>
<td>Per hour</td>
<td>$178.55</td>
</tr>
<tr>
<td>Information Technology (IT) Software Developer (Principal)</td>
<td>Per hour</td>
<td>$164.58</td>
</tr>
<tr>
<td>Information Technology (IT) Job Title</td>
<td>Pay Rate</td>
<td></td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>Software Engineer I</td>
<td>$103.74</td>
<td></td>
</tr>
<tr>
<td>Software Engineer II</td>
<td>$122.09</td>
<td></td>
</tr>
<tr>
<td>Software Engineer III</td>
<td>$179.46</td>
<td></td>
</tr>
<tr>
<td>Software Test Engineer - Principal</td>
<td>$165.79</td>
<td></td>
</tr>
<tr>
<td>Software Test Engineer - Senior</td>
<td>$123.76</td>
<td></td>
</tr>
<tr>
<td>System Engineer - Director I</td>
<td>$204.78</td>
<td></td>
</tr>
<tr>
<td>System Engineer - Senior Principal Engineer/Technical</td>
<td>$178.55</td>
<td></td>
</tr>
<tr>
<td>System Engineer - Principal Engineer/Technical</td>
<td>$145.22</td>
<td></td>
</tr>
<tr>
<td>Systems Administrator I</td>
<td>$116.59</td>
<td></td>
</tr>
<tr>
<td>Systems Administrator II</td>
<td>$139.76</td>
<td></td>
</tr>
<tr>
<td>System Engineer I</td>
<td>$140.04</td>
<td></td>
</tr>
<tr>
<td>System Engineer II</td>
<td>$147.03</td>
<td></td>
</tr>
<tr>
<td>System Engineer III</td>
<td>$181.53</td>
<td></td>
</tr>
<tr>
<td>Chief Information Technology Officer</td>
<td>$237.30</td>
<td></td>
</tr>
<tr>
<td>Information Technology (IT) Technical Writer I</td>
<td>Per hour</td>
<td>$98.67</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>----------</td>
<td>---------</td>
</tr>
<tr>
<td>Information Technology (IT) Test Engineer II</td>
<td>Per hour</td>
<td>$131.98</td>
</tr>
<tr>
<td>Labor Category Title</td>
<td>Base Year (2021-2022)</td>
<td>Year 1 (2022-2023)</td>
</tr>
<tr>
<td>----------------------</td>
<td>-----------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Special Item Number (SIN) 811212 – Maintenance of Equipment, Repair Services, and/or Repair/Spare Parts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information Technology (IT) Hardware Technician 1</td>
<td>$119.87</td>
<td>$121.96</td>
</tr>
<tr>
<td>Information Technology (IT) Hardware Technician 2</td>
<td>$137.31</td>
<td>$140.06</td>
</tr>
<tr>
<td>Special Item Number (SIN) 54151S – Information Technology Professional Services</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information Technology (IT) Information Assurance Engineer - Principal</td>
<td>$140.91</td>
<td>$143.73</td>
</tr>
<tr>
<td>Information Assurance Engineer – Senior</td>
<td>$130.91</td>
<td>$133.53</td>
</tr>
<tr>
<td>Information Technology (IT) IT Sr. Consultant IV</td>
<td>$112.20</td>
<td>$114.44</td>
</tr>
<tr>
<td>Information Technology (IT) Network Engineer</td>
<td>$108.32</td>
<td>$110.48</td>
</tr>
<tr>
<td>Information Technology (IT) Principal Engineer</td>
<td>$240.38</td>
<td>$245.19</td>
</tr>
<tr>
<td>Information Technology (IT) Software Developer - Engineer/Technical Fellow</td>
<td>$189.62</td>
<td>$193.41</td>
</tr>
<tr>
<td>Information Technology (IT) Software Developer - Senior Principal Engineer/Technical</td>
<td>$178.55</td>
<td>$182.12</td>
</tr>
<tr>
<td>Information Technology (IT) Software Developer (Principal)</td>
<td>$164.58</td>
<td>$167.88</td>
</tr>
<tr>
<td>Information Technology (IT) Software Engineer I</td>
<td>$103.74</td>
<td>$105.81</td>
</tr>
<tr>
<td>Position</td>
<td>Level</td>
<td>Annual Salary 1</td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>---------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>Software Engineer II</td>
<td>$122.09</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>Software Engineer III</td>
<td>$179.46</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>Software Test Engineer - Principal</td>
<td>$165.79</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>Software Test Engineer - Senior</td>
<td>$123.76</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>System Engineer - Director I</td>
<td>$204.78</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>System Engineer - Senior Principal Engineer/Technical</td>
<td>$178.55</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>System Engineer- Principal Engineer/Technical</td>
<td>$145.22</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>Systems Administrator I</td>
<td>$116.59</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>Systems Administrator II</td>
<td>$139.76</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>System Engineer I</td>
<td>$140.04</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>System Engineer II</td>
<td>$147.03</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>System Engineer III</td>
<td>$181.53</td>
</tr>
<tr>
<td>Information Technology (IT)</td>
<td>Technical Solutions</td>
<td>$237.30</td>
</tr>
<tr>
<td>Architect-Database Product</td>
<td>$96.67</td>
<td>$101.14</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>Information Technology (IT) Technical Writer I</td>
<td>$131.98</td>
<td>$134.62</td>
</tr>
</tbody>
</table>