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 is available through GSA *Advantage*!™, a menu-driven database system. The INTERNET address for GSA *Advantage*!™ is: http://www.GSAAdvantage.gov.

Multiple Award Schedule

FSC Group: Professional Services & Information Technology
FSC Class: R414, R425 & D3999

Contract Number: 47QRAA19D00DS

For more information on ordering from Federal Supply Schedules go to the GSA Schedules page at GSA.gov.

Contract period: **September 30, 2019 through September 29, 2024**

Arion Systems Inc.
15040 Conference Center Dr. Suite 200
Chantilly, VA 20151
Phone: 703-815-1130
Fax: 571-323-3822

www.arionsys.com

Contract Administrator: Ronald King
Phone: 703-815-1130 X1112
Email: rking@arionsys.com

Business Size: Small

Price List current as of Modification #PS-A812 effective February 3, 2020

Prices Shown Herein are Net (discount deducted)

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INTRODUCTION

Arion Systems, Inc. (ASI) is an engineering and technical services company founded in 1985 with headquarters in Chantilly, VA. Our principal market is the U.S. Government to include various departments, agencies, and prime contractors. ASI specializes in:

- Cyber Security and Security Engineering to include Information Assurance (IA), Certification & Accreditation (C&A), Computer Network Defense (CND) , firewalls, IDS/IPS, security scanning and policy enforcement solutions, auditing and monitoring solutions.

- Telecommunications and Networking Solutions to include information systems and cyber engineering support, including all aspects of designing, building, modernizing, and overseeing the operations and maintenance (O&M) of high speed transport solutions, carrier-class IP/MPLS infrastructures, thousands of enterprise routers and switches, local and global server load balancing solutions network management systems, and Voice over Internet Protocol (VoIP) solutions as well as video teleconferencing and other collaboration systems.

- Marine Engineering and Operational Support including design and development, installation, and operation of marine and ocean systems. Our design capabilities include surface ships, submersibles, cable handling systems, launch and recovery systems, special purpose tools, sensor systems, and ship board instrumentation systems. Operational support services include operational planning, acceptance testing, and mission operation of systems.

- Systems Engineering and Project Management – These services span the complete project life cycle. Our experienced engineering staff is proficient in the systems engineering practices of the DoD, major Government acquisition agencies, and industry, including requirements definition, acquisition planning, design analysis, system installation, performance monitoring and operations and maintenance.

ASI has a highly qualified and technically diverse staff of approximately 110 engineers and scientists capable of delivering the services described under GSA's Professional Services Schedule.   Approximately 97 out of 118 employees have relevant technical degrees or certifications, and approximately half of our staff have advanced degrees; many with advanced engineering and networking certifications. All of our staff are cleared to the Top Secret (TS) level with most holding a Secured Compartmented Information (SCI) clearance. The average years of relevant experience in the field for combined ASI staff is 23 years, achieved by extensive service to various DoD and Intelligence Community customers on previous and current contracts. ASI will provide available resources through a combination of current staff and our comprehensive recruiting program; focused on hiring, training, and retaining qualified employees to fulfill the requirements of the Professional Services Schedule.

For more information on ASI's extensive range of professional services, please see our website at www.arionsys.com.

CUSTOMER INFORMATION

1. **Awarded Special Item Numbers:**

   a. Table of Awarded Special Item Numbers with appropriate cross-reference item descriptions and awarded price(s):

SINs	SIN Description
541330ENG	Engineering Services
54151S	Information Technology Professional Services
541420	Engineering System Design and Integration Services
541715	Engineering Research and Development and Strategic Planning
OLM	Order-Level Materials

   b. **Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract**. Prices reflect 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, show the range of the lowest price, and cite the areas to which the prices apply. See Page 18.

   c. **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**. See Page 7.

2. **Maximum Order:** $1,000,000.00
   Note: Notwithstanding this limit, agencies may place and ASI may honor orders exceeding this limit in accordance with FAR 8.404. In accordance with the Maximum Order provisions contained in the Schedule, a delivery order may be placed against the schedule even though it exceeds the maximum order threshold. There is no maximum ceiling for any task order. This maximum order value is the suggested renegotiation point whereby agencies should seek additional concessions if orders exceed this amount.

3. **Minimum Order**: $100.00

4. **Geographic Coverage (delivery Area):** Domestic

5. **Point(s) of production (city, county, and state or foreign country):** Same as company address

6. **Discount from list prices or statement of net price:** Government net prices (discounts already deducted).

7. **Quantity discounts:** None

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

9. **Foreign items (list items by country of origin)**: None

10. **Deliveries:**
    a. **Time of Delivery (Contractor insert number of days):** To Be Determined on the Task Order
    b. **Expedited Delivery.** Contact the Contractor.

    c. **Overnight and 2-day delivery.** Overnight and 2- day delivery are available.   Contact the Contractor for rates for overnight and 2-day delivery:

    d. **Urgent Requirements.** Contact Contractor.

11. **F.O.B Points(s):** Destination

12. **Ordering:**
    a. **Ordering Address(es):** Same as Contractor

    b. **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.

13. **Payment address:**
Arion Systems Inc.
15040 Conference Center Dr.
Suite 200
Chantilly, VA 20151

14. **Warranty provision**: Standard Commercial Warranty Terms & Conditions.

15. **Export Packing Charges (if applicable):** N/A

16. **Terms and conditions of rental, maintenance and repair (if applicable):** N/A

17. **Terms and conditions of installation (if applicable):** N/A

18.   **a.** **Terms and conditions of repair parts (if applicable):** N/A
     b. **Terms and conditions for any other services (if applicable):**

1) **Scope**
a) The prices, terms and conditions stated herein apply exclusively to approved SINs within the scope of this Multiple Award Schedule price list.

b) The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

2) **Order**

a) Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Purchase orders shall specify the availability of funds and the period for which funds are available.

b) All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

3) **Performance of Services**
a) The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
b) The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.

c) The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.

d) Any Contractor travel required in the performance of the services described in this schedule must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

4) **Responsibilities of the Contractor**

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character

5) **Responsibilities of the Ordering Activity**

Subject to security regulations, the ordering activity shall permit Contractor access to all facilities necessary to perform the requisite Services.

6) **Independent Contractor**

All Services performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.

7) **Invoices**

The Contractor, upon completion of the work ordered, shall submit invoices for the services rendered. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

19. **List of service and distribution points (if applicable):** N/A

20. **List of participating dealers (if applicable):** N/A

21. **Preventive maintenance (if applicable):** N/A

22. **Special Attributes:**
    a. **Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants:** N/A
    b. **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. contactor's website or other location).** N/A

23. **Data Universal Numbering System (DUNS) number: 175191469**

24. **Notification regarding registration in System for Award Management (SAM) database:** ASI is currently registered in SAM under CAGE code **1CJ56**.

Final Pricing: Labor categories, descriptions and pricing are applicable to all SINs in this price list as described in the following tables. The rates shown below include the Industrial Funding Fee (IFF) of 0.75%.

LABOR CATEGORY DESCRIPTIONS

Title	Level	Functional Responsibilities	Experience and Educational Requirements
Engineer	I	Applies engineering theories, principles, and concepts with substantial facility; provides solutions to variety of technical problems; requires limited supervision; work is reviewed for appropriateness, accuracy, and thoroughness; interacts principally with supervisor and with other professionals working on similar tasks. Skills/Specialties may include System Engineering , Requirement Analysis and Verification, Component Design, Component and System Testing.	**Education Required:** Bachelor of Science or Master of Science. Discipline: Engineering or technical. **Required Work Experience:** BS Degree: Two (2) years of relevant technical experience MS Degree: New graduate – no experience required
Engineer	II	Applies with thorough understanding engineering theories, principles, and concepts; brings perspective of a range of engineering disciplines; provides solutions to a wide range of technical problems; develops approach to problem solving independently; work is reviewed for appropriateness in satisfying task objectives; interacts principally with other professionals working on similar tasks and occasionally with the customer. Skills/Specialties may include System Engineering , Requirement Analysis and Verification, Component Design, Component and System Testing.	**Education Required:** Bachelor of Science or Master of Science degree. Discipline: Engineering or technical field **Required Work Experience:** BS Degree: Five (5) years of relevant technical experience MS Degree: Three (3) years of relevant experience
Engineer	III	Applies extensive expertise in at least one engineering discipline; brings the perspective or expertise of a wide range of engineering disciplines; provides solutions to a wide range of complex and difficult technical problems; solutions are often creative and imaginative; has significant latitude in structuring and executing the tasks; work is reviewed infrequently for appropriateness in satisfying task objectives; interacts frequently with the customer. Skills/Specialties may include Systems Engineering, System Design, Requirements Analysis and Verifications, System Testing, Technical Analysis.	**Education Required:** Bachelor of Science or Master of Science degree. Discipline: Engineering or technical field **Required Work Experience:** BS Degree: Ten (10) years of relevant technical experience MS Degree: Eight (8) years of relevant experience.
Engineer	IV	Applies extensive expertise in at least one engineering discipline; brings expertise of a wide range of engineering disciplines; applies advanced principles, theories, and concepts; capable of developing new principles and concepts; provides solutions to unusually complex and difficult technical problems; solutions are often innovative and ingenious; has nearly complete latitude in structuring and executing the tasks; interacts frequently with the customer; team leadership; strong communications skills - oral and written. Skills/Specialties may include Systems Engineering, System Design, Requirements Analysis and Verifications, System Testing, Technical Analysis.	**Education Required:** Bachelor of Science or Master of Science degree. Discipline: Engineering or technical field **Required Work Experience:** BS Degree: Fifteen (15) years of relevant technical experience MS Degree: Thirteen (13) years of relevant experience.
Engineer	V	Applies extensive expertise in at least one engineering discipline; brings the expertise of a wide range of engineering disciplines; applies highly advanced principles, theories, and concepts; capable of developing highly advanced principles and concepts; solutions to complex and difficult problems are often innovative and ingenious; provides expertise in system architectural definition; provides expertise in business processes; has nearly complete latitude in structuring and executing the tasks; interacts frequently with the customer; strong communications skills - oral and written. Skills/Specialties may include Systems Engineering, System Design, Requirements Analysis and Verifications, System Testing, Technical Analysis, Team Leadership.	**Education Required:** Bachelor of Science or Master of Science degree. Discipline: Engineering or technical field **Required Work Experience:** BS Degree: Twenty (20) years of relevant technical experience MS Degree: Eighteen (18) years of relevant experience.

Title	Level	Functional Responsibilities	Experience and Educational Requirements
Project Management Specialist	II	Manage and communicate ongoing changes in tasks, goals, or performance; Participate in client meetings, contract finalization, and development of requirements and specifications; Manage project budget; Responsible, with minimal oversight and direction, for providing technical and administrative support to one or more the following project functions: progress tracking, schedule maintenance, configuration control, quality control, purchasing, property management, facility management, security administration, etc. Skills/Specialties may include: Budget Management, Client Interaction, Microsoft Project, Operations Management, Good Oral/Verbal Communication, Strategic Project Management.	**Education Required:** Associate Degree or Vocational/technical training beyond high school **Educational Equivalency:** Fifteen (15) years experience providing project management support to an engineering project **Required Work Experience:** Relevant technical experience combined with training in program controls
Senior Scientist	I	Expert in one or more leading-edge technologies; plan, coordinate and execute research objectives; perform research support on problems of diverse scope and execute research projects; generate research ides and solutions to complex computer science problems; provides experience in the solution of difficult, complex technical problems; provides strong analytical skills; experienced in the mathematical modeling of physical processes and systems; provides experience in the development of software applications and engineering tools; undertakes major research projects without oversight and direction; strong communications skills – oral and written. Skill/Specialties may include: Big Data Analytics, Engineering Design, Mathematical Modeling, Expert in Leading-Edge Technology.	**Education Required:** Master of Science degree or Doctor of Philosophy degree Discipline: Engineering, Physical Science, Mathematics, or similar technical area **Required Work Experience:** MS Degree: Ten (10) years professional experience PHD: Seven (7) years professional experience
Senior Scientist	II	Expert in one or more leading-edge technologies; plan, coordinate and execute research objectives; perform research support on problems of diverse scope and execute research projects; generate research ides and solutions to complex computer science problems; provides experience in the solution of difficult, complex technical problems; provides strong analytical skills; experienced in the mathematical modeling of physical processes and systems; provides experience in the development of software applications and engineering tools; undertakes major research projects without oversight and direction; strong communications skills – oral and written. Skills/Specialties may include: Big Data Analytics, Engineer Design, Mathematical Modeling, Expert in Leading-edge Technology.	**Education Required:** Master of Science degree or Doctor of Philosophy degree Discipline: Engineering, Physical Science, Mathematics, or similar technical area **Required Work Experience:** MS Degree: Fifteen (15) years professional experience PhD: Twelve (12) years professional experience
Software Engineer	I	Write, modify and debug software for client applications; use source debuggers and visual development environments; translate business requirements into technical specifications and help manage project priorities and timelines; test and document software for client applications. Skills/Specialties may include: C++ Programming Language, Python, Board Design/Debug, Visual Basic (VB), Amazon Web Service (AWS).	**Education Required:** Associate Degree, Bachelor of Science or Master of Science degree Discipline: Electrical Engineering, Computer Science or technical field **Educational Equivalency:** Eight (8) years of work experience in a software application and database analysis, design, development environment **Required Work Experience:** Associate: Six (6) years experience in a software application and database analysis, design, development environment BS Degree: Two (2) years experience in software development environment MS Degree: One (1) year experience in software development environment

Title	Level	Functional Responsibilities	Experience and Educational Requirements
Software Engineer	II	Write, modify and debug software for client applications; use source debuggers and visual development environments; translate business requirements into technical specifications and help manage project priorities and timelines; test and document software for client applications. Provides technical leadership in application software development, to include developing functional requirements and interface design. Provides solutions to a variety of technical problems of moderate scope and complexity. Skills/Specialties may include: C++ Programming Language, Python, Board Design/Debug, Visual Basic (VB), Amazon Web Service (AWS).	**Education Required:** Associates Degree, Bachelor of Science or Master of Science degree <u>Discipline:</u> Electrical Engineering, Computer Science or technical field **Educational Equivalency:** Twelve (12) years of work experience in a software application and database analysis, design, development environment **Required Work Experience:** <u>Associate:</u> Ten (10) years experience in a software application and database analysis, design, development environment. <u>BS Degree:</u> Five (5) years experience in a client/server software engineering environment. <u>MS Degree:</u> Three (3) years experience in a client/server software engineering environment.
Software Engineer	III	Write, modify and debug software for client applications; use source debuggers and visual development environments; translate business requirements into technical specifications and help manage project priorities and timelines; test and document software for client applications. Provides technical leadership in application software development, to include developing functional requirements and interface design. Provides solutions to a variety of technical problems of moderate scope and complexity. Be able to work independently and within a team environment. Skills/Specialties may include: C++ Programming Language, Python, Board Design/Debug, Visual Basic (VB), Amazon Web Service (AWS).	**Education Required:** Associates Degree, Bachelor of Science or Master of Science degree <u>Discipline:</u> Electrical Engineering, Computer Science or technical field. **Educational Equivalency:** Sixteen (16) years of experience in a client/server software engineering environment. At least two (2) years client/server development experience. Good written & verbal skills. **Required Work Experience:** Must have good written & verbal skills. <u>Associate:</u> Thirteen (13) years experience in a software application and database analysis, design, development environment. <u>BS Degree:</u> Eight (8) years experience in a client/server software engineering environment <u>MS Degree:</u> Six (6) years experience in a client/server software engineering environment.
Software Engineer	IV	Broad understanding and wide application of principles, theories, and concepts; conduct new technology research, concept specification and design of individual software components; participate in product and program collaboration; develop new product concepts and development, delivery product prototypes; Research, design, and development or application software; Involved in planning system development and deployment; Evaluates interface between hardware and software, operational requirements and characteristics of overall system; Maintains a high knowledge of current information technology. Supervisor and Mentor Junior Software Engineers. Skills/Specialties may include: C++ Programming Language, Python, Board Design/Debug, Visual Basic (VB), Amazon Web Service (AWS).	**Education Required:** Associates Degree, Bachelor of Science or Master of Science degree <u>Discipline:</u> Electrical Engineering, Computer Science or technical field. **Educational Equivalency:** Twenty (20) years work experience in client/server software engineering, vendor and contractor management. At least two (2) years client/server development experience. **Required Work Experience:** Good written & verbal skills. <u>Associate:</u> Fifteen (15) years experience in a software application and database analysis, design, development environment. <u>BS Degree:</u> Ten (10) years experience in a client/server software engineering environment <u>MS Degree:</u> Eight (8) years experience in client/server software engineering, vendor and contractor management, and software development.

Title	Level	Functional Responsibilities	Experience and Educational Requirements
Information Assurance Engineer	I	Ensure the integrity of host computers, multiple databases and secure data transfers. Maintain existing capabilities and implement appropriate up to date security technologies. Responsibility may span design of technical solutions for network boundary protection, endpoint security, access control, auditing, network monitoring; network and system vulnerability assessment; application and software security assessment; database security assessment and monitoring; software security assurance; security configuration assessment, compliance management; incident handling, response and reporting. Skills/Specialties may include: Cyber Security, Network Security Management, Security Risk Management, Security Testing and Auditing.	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: *Electrical Engineering, Computer Science, or related technical field* **Required Work Experience:** Education Equivalence: Ten (10) years of relevant experience working on information, computer or network security, network design or implementation. CISSP or CompTIA Security+ CE certification required. AS Degree: Six (6) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required. BS Degree: Two (2) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required MS Degree: New graduate – no experience required. CISSP or CompTIA Security+ CE certification required.
Information Assurance Engineer	II	Ensure the integrity of host computers, multiple databases and secure data transfers. Maintain existing capabilities and implement appropriate up to date security technologies. Responsibility may span design of technical solutions for network boundary protection, endpoint security, access control, auditing, network monitoring; network and system vulnerability assessment; application and software security assessment; database security assessment and monitoring; software security assurance; security configuration assessment, compliance management; incident handling, response and reporting; technical security support to Certification and Accreditation (C&A) processes and testing and security impact assessments as part of change management. Capable of executing most work tasks independently. Skills/Specialties may include: Cyber Security, Network Security Management, Security Risk Management, Security Testing and Auditing.	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: *Electrical Engineering, Computer Science, or related technical field* **Required Work Experience:** Education Equivalence: Fifteen (15) years of relevant experience working on information, computer or network security, network design or implementation. CISSP or CompTIA Security+ CE certification required. AS Degree: Ten (10) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required. BS Degree: Six (6) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required. MS Degree: Two (2) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required.
Information Assurance Engineer	III	Assist in migrating information assets and environments into compliant, secure systems. Manage security testing platforms, including leading forensic investigations and mitigation procedures. Lead security training and communicate policies. Create and execute policy and audit plans and identify security risks and operation needs. Review configuration and updates to ensure software and infrastructure are protected. Responsibility may span design of technical solutions for network boundary protection, endpoint security, access control, auditing, network monitoring; network and system vulnerability assessment; application and software security assessment; database security assessment and monitoring; software security assurance; security configuration assessment, compliance management; incident handling, response and reporting; technical security support to Certification and Accreditation (C&A) processes and testing and security impact assessments as part of change management. Provides oversight and direction to staff on major projects. Skills/Specialties may include: Cyber Security, IT Management, Network Security Management, Security Intrusion Detection, Security Risk Management, Team Management.	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: *Electrical Engineering, Computer Science, or related technical field* **Required Work Experience:** Education Equivalence: Twenty (20) years of relevant experience working on information, computer or network security, network design or implementation. CISSP or CompTIA Security+ CE certification required. AS Degree: Sixteen (16) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required. BS Degree: Twelve (12) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required. MS Degree: Ten (10) years experience working on information, computer or network security. CISSP or CompTIA Security+ CE certification required.

Title	Level	Functional Responsibilities	Experience and Educational Requirements
IT Systems Architect	I	Maintain and improve technical infrastructure based on customer requirements. Perform network systems design in web centric data center. Collect and analyze customer requirements; examine customer external and internal interfaces; develops alternative network architectures that satisfy the totality of customer requirements; evaluates the network architectural alternatives for cost, performance, and implementation schedule; performs technical, schedule, and cost risk assessments. Requires assistance in structuring work tasks. Skills/Specialties may include: Big Data Analytics, IT Security & Infrastructure, Network Architecture/Design, Network Design, Network Security Management.	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). <u>Discipline</u>: *Electrical Engineering, Computer Science, or related technical field* **Required Work Experience:** <u>Education Equivalence:</u> Thirteen (13) years of relevant experience to include two (2) years experience working on network architectures or two (2) years systems engineering experience. <u>AS Degree:</u> Nine (9) years experience in telecommunications or information technology to include two (2) years experience working on network architectures or two (2) years systems engineering experience. <u>BS Degree:</u> Five (5) years experience in telecommunications or information technology to include two (2) years experience working on network architectures or two (2) years systems engineering experience. <u>MS Degree:</u> Three (3) years experience in telecommunications or information technology to include two (2) years experience working on network architectures or two (2) years systems engineering experience.
IT Systems Architect	II	Maintain and improve technical infrastructure based on customer requirements. Perform network systems design in web centric data center. Collect and analyze customer requirements; examines customer external and internal interfaces; develops alternative network architectures that satisfy the totality of customer requirements; evaluates the network architectural alternatives for cost, performance, and implementation schedule; performs technical, schedule, and cost risk assessments. Capable of executing most work tasks independently. Skills/Specialties may include: Big Data Analytics, IT Security & Infrastructure, Network Architecture/Design, Network Design, Network Security Management.	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). <u>Discipline</u>: *Electrical Engineering, Computer Science, or related technical field* **Required Work Experience:** <u>Education Equivalence:</u> Eighteen (18) years of relevant experience to include five (5) years experience working on network architectures or five (5) years systems engineering experience. <u>AS Degree:</u> Fourteen (14) years experience in telecommunications or information technology to include five (5) years experience working on network architectures or five (5) years systems engineering experience. <u>BS Degree:</u> Ten (10) years experience in telecommunications or information technology to include five (5) years experience working on network architectures or five (5) years systems engineering experience. <u>MS Degree:</u> Eight (8) years experience in telecommunications or information technology to include five (5) years experience working on network architectures or five (5) years systems engineering experience.
IT Systems Architect	III	Maintain and improve technical infrastructure based on customer requirements. Perform network systems design in web centric data center. Collect and analyze customer requirements; examines customer external and internal interfaces; develops alternative network architectures that satisfy the totality of customer requirements; evaluates the network architectural alternatives for cost, performance, and implementation schedule; performs technical, schedule, and cost risk assessments; provides oversight and direction to staff on major projects. Skills/Specialties may include: Big Data Analytics, IT Security & Infrastructure, Network Architecture/Design, Network Design, Network Security Management.	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). <u>Discipline</u>: *Electrical Engineering, Computer Science, or related technical field* **Required Work Experience:** <u>Education Equivalence:</u> Twenty-five (25) years of relevant experience to include five (5) years experience working on network architectures or five (5) years systems engineering experience. <u>AS Degree</u>: Twenty-one (21) years experience in telecommunications or information technology to include five (5) years experience working on network architectures or five (5) years systems engineering experience. <u>BS Degree</u>: Seventeen (17) years experience in telecommunications or information technology to include five (5) years experience working on network architectures or five (5) years systems engineering experience. <u>MS Degree:</u> Fifteen (15) years experience in telecommunications or information technology to include five (5) years experience working on network architectures or five (5) years systems engineering experience.

Title	Level	Functional Responsibilities	Experience and Educational Requirements
IT Systems Integration Engineer	I	Develop test plan specifications, testing and debugging processes according to plan. Work with clients to define integration requirements through analysis and design. Give technical direction and assist clients regarding their integration needs. Plan, design, implement and document integration processes varying in levels of complexity. Capable of executing work tasks with minor oversight. Skills/Specialties may include Integration Testing, Network Architecture/Design, Network Design, Network Security Management.	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: *Electrical Engineering, Computer Science, or related technical field* **Required Work Experience:** Education Equivalence: Ten (10) years working on network design or implementation. AS Degree: Six (6) years experience working on network design or implementation. BS Degree: Two (2) years experience working on network design or implementation. MS Degree: New graduate – no experience required
IT Systems Integration Engineer	II	Develop test plan specifications, testing and debugging processes according to plan. Work with clients to define integration requirements through analysis and design. Give technical direction and assist clients regarding their integration needs. Plan, design, implement and document integration processes varying in levels of complexity. Capable of executing work tasks with minor oversight. Capable of executing work tasks independently. Skills/Specialties may include Integration Testing, Network Architecture/Design, Network Design, Network Security Management.	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: *Electrical Engineering, Computer Science, or related technical field* **Required Work Experience**: Education Equivalence: Thirteen (13) years of relevant technical experience. AS Degree: Nine (9) years of relevant technical experience. BS Degree: Five (5) years of relevant technical experience. MS Degree: Three (3) years of relevant technical experience.
IT Systems Integration Engineer	III	Develop test plan specifications, testing and debugging processes according to plan. Work with clients to define integration requirements through analysis and design. Give technical direction and assist clients regarding their integration needs. Plan, design, implement and document integration processes varying in levels of complexity. Capable of executing work tasks with minor oversight. Provides oversight and direction to staff on major projects. Skills/Specialties may include: Engineering Design, Integration Testing, Network Architecture/Design, Network Design, Network Security Management.	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: *Electrical Engineering, Computer Science, or related technical field* **Required Work Experience:** Education Equivalence: Twenty (20) years of network design or implementation experience. AS Degree: Sixteen (16) years of network design or implementation experience. BS Degree: Twelve (12) years of network design or implementation experience. MS Degree: Ten (10) years of network design or implementation experience.
IT Network Performance Engineer	I	Design and implement business solutions using network equipment. Familiarity with WAN and LAN operation and equipment. Operates applications that collect, archive and analyze performance data from network devices including routers, switches. Design, write and update system documentation and network diagrams. Install, configure and troubleshoot network architecture. Monitor and diagnose performance issues with network architecture. Skills/Specialties: Network Architecture/Design, Network Design, Switches & Firewall installation and Administration, Cisco Networking, Local Area Network (LAN), WAN.	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: *Electrical Engineering, Computer Science, Mathematics, Statistics or related technical field* **Required Work Experience:** Education Equivalence: Ten (10) years of experience collecting and analyzing network performance data. AS Degree: Six (6) years of experience collecting and analyzing network performance data. BS Degree: Two (2) years of experience collecting and analyzing network performance data. MS Degree: New graduate – no experience required

Title	Level	Functional Responsibilities	Experience and Educational Requirements
IT Network Performance Engineer	II	In depth understanding of WAN and LAN operation and equipment; Design and implement business solutions using network equipment. Operates applications that collect, archive and analyze performance data from network devices including routers, switches. Design, write and update system documentation and network diagrams. Install, configure and troubleshoot network architecture. Monitor and diagnose performance issues with network architecture. Skills/Specialties: Network Architecture/Design, Network Design, Switches & Firewall installation and Administration, Cisco Networking, Local Area Network (LAN), WAN.	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: *Electrical Engineering, Computer Science, Mathematics, Statistics or related technical field* **Required Work Experience:** Education Equivalence: Thirteen (13) years of experience collecting and analyzing network performance data. AS Degree: Nine (9) years of experience collecting and analyzing network performance data. BS Degree: Five (5) years of experience collecting and analyzing network performance data MS Degree: Three (3) years of experience collecting and analyzing network performance data.
IT Network Performance Engineer	III	In depth understanding of WAN and LAN operation and equipment; Design and implement business solutions using network equipment. Operates applications that collect, archive and analyze performance data from network devices including routers, switches. Design, write and update system documentation and network diagrams. Install, configure and troubleshoot network architecture. Monitor and diagnose performance issues with network architecture. Provides oversight and direction to staff; establishes daily collection and analysis priorities. Skills/Specialties: Network Architecture/Design, Network Design, Switches & Firewall installation and Administration, VoIP, Local Area Network (LAN), WAN	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: *Electrical Engineering, Computer Science, Mathematics, Statistics or related technical field* **Required Work Experience:** Education Equivalence: Eighteen (18) years of experience collecting and analyzing network performance data. AS Degree: Fourteen (14) years of experience collecting and analyzing network performance data. BS Degree: Ten (10) years of experience collecting and analyzing network performance data. MS Degree: Eight (8) years of experience collecting and analyzing network performance data.
IT Application Developer	I	Familiarity with WAN and LAN operation and equipment; write code to create single-threaded or user interface event driven applications; write, modify, and debug software for client applications; develops application software for the collection of network performance data; performs database design and administration; develops application software for the analysis and visualization of network performance data; familiarity with SNMP and non-SNMP data collection; writes scripts in Bourne shell, PERL, and Expect; familiarity with Oracle, PUSQL, Pro-C, and ODBC; uses C++ and Java for data visualization; requires assistance in structuring work tasks. Skills/Specialties may include: JavaScript, Software Development, Oracle, Software Architecture, SNMP, Data Visualization, Amazon Web Services (AWS).	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: *Electrical Engineering, Computer Science, Mathematics, Statistics or related technical field* **Required Work Experience:** Education Equivalence: Ten (10) years of experience developing network performance application software. AS Degree: Six (6) years of experience developing network performance application software. BS Degree: Two (2) years experience developing network performance application software. MS Degree: New graduate – no experience required
IT Application Developer	II	Familiarity with WAN and LAN operation and equipment; write code to create single-threaded or user interface event driven applications; write, modify, and debug software for client applications; develops application software for the collection of network performance data; performs database design and administration; develops application software for the analysis and visualization of network performance data; familiarity with SNMP and non-SNMP data collection; writes scripts in Bourne shell, PERL, and Expect; familiarity with Oracle, PUSQL, Pro-C, and ODBC; uses C++ and Java for data visualization; capable of independent execution of work tasks. Skills/Specialties may include: JavaScript, Software Development, Oracle, Software Architecture, SNMP, Data Visualization, Amazon Web Services (AWS).	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: *Electrical Engineering, Computer Science, Mathematics, Statistics or related technical field* **Required Work Experience:** Education Equivalence: Thirteen (13) years experience developing network performance application software. AS Degree: Nine (9) years experience developing network performance application software. BS Degree: Five (5) years experience developing network performance application software. MS Degree: Three (3) years experience developing network performance application software.

Title	Level	Functional Responsibilities	Experience and Educational Requirements
IT Application Developer	III	In depth understanding of WAN and LAN operation and equipment; write code to create single-threaded or user interface event driven applications; write, modify, and debug software for client applications; develops application software for the collection of network performance data; performs database design and administration; develops application software for the analysis and visualization of network performance data; familiarity with SNMP and non-SNMP data collection; writes scripts in Bourne shell, PERL, and Expect; familiarity with Oracle, PUSQL, Pro-C, and ODBC; uses C++ and Java for data visualization; provides oversight and direction to staff; establishes software development priorities. Skills/Specialties may include: JavaScript, Software Development, Oracle, Software Architecture, SNMP, Data Visualization, Amazon Web Services (AWS).	**Education Required:** Associate, Bachelor, Master of Science degree or may substitute equivalent work experience (see below). Discipline: *Electrical Engineering, Computer Science, Mathematics, Statistics or related technical field* **Required Work Experience:** Education Equivalence: Eighteen (18) years experience developing network performance application software. AS Degree: Fourteen (14) years experience developing network performance application software. BS Degree: Ten (10) years experience developing network performance application software. MS Degree: Eight (8) years experience developing network performance application software.
IT Program Manager	I	Program Manager for a task; record detailed customer requirements, constraints and assumptions with stakeholders in order to establish the project deliverables; measure project performance, end-to-end responsibility for the contractor's technical, cost, and schedule performance on a task order; contractor's authorized representative for task-related interactions with the Government. Skills/Specialties may include: Program Management, Strategic Planning.	**Education Required:** Bachelor or Master of Science degree Discipline: *Electrical Engineering, Computer Science, or related technical field* **Required Work Experience:** BS Degree: Ten (10) years experience in telecommunications or information technology to include five (5) years managing programs MS Degree: Eight (8) years in IT field to include three (3) years managing programs.
IT Program Manager	II	Program Manager for large, complex task orders; develop a detailed project plan with identified critical path tasks; record detailed customer requirements, constraints and assumptions with stakeholders in order to establish the project deliverables; measure project performance; has end-to-end responsibility for the contractor's technical, cost, and schedule performance on a task order; contractor's authorized representative for task-related interactions with the Government. Skills/Specialties may include: Program Management, Strategic Planning.	**Education Required:** Bachelor or Master of Science degree Discipline: *Electrical Engineering, Computer Science, or related technical field* **Required Work Experience:** BS Degree: Fifteen (15) years experience in telecommunications or information technology to include ten (10) years managing programs. MS Degree: Thirteen (13) years experience in telecommunications or information technology to include eight (8) years managing programs.
IT Program Manager	III	Program Manager for a significant and complex development. Develop a detailed project plan with identified critical path tasks; conduct meetings with all key stakeholders in order to announce the start of the project and review the overall project plan; create, track, and forecast changes in project budgets; Exhibits an exceptional degree of ingenuity, creativity, and resourcefulness. Performs and assists in requirements definition, vendor/product research, peer reviews, system testing and installation tasks. Skills/Specialties may include: IT Security & Infrastructure, Operations Management, Strategic Planning, Program Management, Team Leadership.	**Education Required:** Bachelor or Master of Science degree Discipline: *Electrical Engineering, Computer Science, Information Systems, or related technical field* **Required Work Experience:** Excellent verbal, written and interpersonal skills. BS Degree: Twenty (20) years experience in telecommunications, information technology or related engineering discipline to include eight (8) years experience planning, directing, developing, or implementing complex systems in a complex environment. MS Degree: Eighteen (18) years experience in telecommunications, information technology or related engineering discipline to include six (6) years experience planning, directing, developing, or implementing complex systems in a complex environment.

Title	Level	Functional Responsibilities	Experience and Educational Requirements
IT Systems Administrator	I	Configure and trouble shoot software and hardware enhancements, application deployments and infrastructure up-grades. Diagnose and correct computer systems issues. Skills/specialties include Linux, UNIX Network Administration, Windows Server 2012 R2, Systems Administration, IT Security & Infrastructure.	**Education Required:** Associate, Bachelor, Master of Science or PhD degree. Discipline: *Electrical Engineering, Computer Science, Mathematics or related technical field.* **Required Work Experience:** AS Degree: Ten (10) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred. BS Degree: Seven (7) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred. MS Degree: Three (3) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred. PHD: New graduate - No experience required Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred.
IT Systems Administrator	II	Configure and trouble shoot software and hardware enhancements, application deployments and infrastructure up-grades. Diagnose and correct computer systems issues. Skills/specialties include Linux, UNIX Network Administration, Windows Server 2012 R2, Systems Administration, IT Security & Infrastructure.	**Education Required:** Associate, Bachelor, Master of Science or PhD degree. Discipline: *Electrical Engineering, Computer Science, Mathematics or related technical field.* **Required Work Experience:** AS Degree: Fifteen (15) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred. BS Degree: Twelve (12) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred. MS Degree: Eight (8) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred. PHD: New graduate - No experience required Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred.
IT Systems Administrator	III	Lead a team of system administrators to manage servers and other computer system aspects of a company. Configure and trouble shoot software and hardware enhancements, application deployments and infrastructure up-grades. Diagnose and correct computer systems issues. Skills/specialties include Linux, UNIX Network Administration, Windows Server 2012 R2, Systems Administration, IT Security & Infrastructure.	**Education Required:** Associate, Bachelor, Master of Science or PhD degree. Discipline: *Electrical Engineering, Computer Science, Mathematics or related technical field.* **Required Work Experience:** AS Degree: Twenty (20) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred. BS Degree: Eighteen (18) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred. MS Degree: Fifteen (15) years experience working in the field of discipline. Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred. PHD: New graduate - No experience required Information Technology Infrastructure Library (ITIL) V3 or Red Hat Certified System Administrator (RHCSA) certification preferred.

Title	Level	Functional Responsibilities	Experience and Educational Requirements
Technologist	I	Lead and coordinate with teams to design, test, implement, and manage new or improved technical operations. Evaluate existing operations procedures and make recommendations based on organization regulations and budget. Design and develop strategies to enhance and optimize technical operations. Expert in one or more leading-edge LAN, WAN, or application technologies; assists in the integration of these technologies into large scale network implementations; provides the analytical expertise to perform systems trade studies and to optimize system performance against customer requirements; brings familiarity with telecommunications and networking standards and industry business. Skills/Specialties may include: Engineering Design, Operations Management.	**Education Required:** Master of Science or Doctor of Philosophy degree Discipline: Engineering, Physical Science, Mathematics, or similar technical area **Required Work Experience:** MS Degree: Ten (10) years experience PHD: Seven (7) years experience.
Technologist	II	Lead and coordinate with teams to design, test, implement, and manage new or improved technical operations. Evaluate existing operations procedures and make recommendations based on organization regulations and budget. Design and develop strategies to enhance and optimize technical operations. Expert in one or more leading-edge LAN, WAN, or application technologies; assists in the integration of these technologies into large scale network implementations; provides the analytical expertise to perform systems trade studies and to optimize system performance against customer requirements; brings familiarity with telecommunications and networking standards and industry business. Skills/Specialties may include: Engineering Design, Operations Management.	**Education Required:** Master of Science degree or Doctor of Philosophy degree Discipline: Engineering, Physical Science, Mathematics, or similar technical area **Required Work Experience:** MS Degree: Fifteen (15) years experience PhD: Twelve (12) years experience

LABOR CATEGORY PRICING

Item	SIN	Awarded Labor Category	Site	Year 1 9/30/19-9/29/20	Year 2 9/30/20-9/29/21	Year 3 9/30/21-9/29/22	Year 4 9/30/22-9/29/23	Year 5 9/30/23-9/29/24
1	541330ENG 541420 541715	Engineer I	Both	$106.59	$109.05	$111.55	$114.12	$116.74
2	541330ENG 541420 541715	Engineer II	Both	$127.18	$130.11	$133.10	$136.16	$139.29
3	541330ENG 541420 541715	Engineer III	Both	$155.51	$159.08	$162.74	$166.48	$170.31
4	541330ENG 541420 541715	Engineer IV	Both	$186.07	$190.35	$194.73	$199.21	$203.79
5	541330ENG 541420 541715	Engineer V	Both	$201.39	$206.03	$210.76	$215.61	$220.57
6	541330ENG 541420 541715	Program Management Engineer I	Both	$167.22	$171.06	$175.00	$179.02	$183.14
7	541330ENG 541420 541715	Program Management Engineer II	Both	$182.54	$186.74	$191.03	$195.43	$199.92
8	541330ENG 541420 541715	Program Management Engineer III	Both	$191.99	$196.41	$200.92	$205.55	$210.27
9	541330ENG 541420 541715	Project Management Specialist I	Both	$122.34	$125.15	$128.03	$130.97	$133.99
10	541330ENG 541420 541715	Project Management Specialist II	Both	$128.19	$131.14	$134.16	$137.24	$140.40
11	541330ENG 541420 541715 54151S	Senior Scientist I	Both	$173.33	$177.32	$181.39	$185.57	$189.83
12	541330ENG 541420 541715 54151S	Senior Scientist II	Both	$189.57	$193.93	$198.39	$202.95	$207.62
13	541330ENG 541420 541715	Software Engineer I	Both	$133.42	$136.49	$139.63	$142.84	$146.13
14	541330ENG 541420 541715	Software Engineer II	Both	$154.22	$157.76	$161.39	$165.10	$168.90
15	541330ENG 541420 541715	Software Engineer III	Both	$169.82	$173.73	$177.73	$181.81	$185.99
16	541330ENG 541420 541715	Software Engineer IV	Both	$184.68	$188.92	$193.27	$197.71	$202.26
17	54151S	Information Assurance Engineer I	Both	$111.27	$113.83	$116.44	$119.12	$121.86
18	54151S	Information Assurance Engineer II	Both	$139.47	$142.68	$145.96	$149.32	$152.76
19	54151S	Information Assurance Engineer III	Both	$160.67	$164.37	$168.15	$172.01	$175.97
20	54151S	IT Systems Architect I	Both	$164.79	$168.58	$172.46	$176.43	$180.49
21	54151S	IT Systems Architect II	Both	$186.27	$190.55	$194.94	$199.42	$204.01
22	54151S	IT Systems Architect III	Both	$191.00	$195.40	$199.89	$204.49	$209.19
23	54151S	IT Systems Integration Engineer I	Both	$112.90	$115.49	$118.15	$120.87	$123.65
24	54151S	IT Systems Integration Engineer II	Both	$124.54	$127.41	$130.34	$133.34	$136.40
25	54151S	IT Systems Integration Engineer III	Both	$136.74	$139.88	$143.10	$146.39	$149.76
26	54151S	IT Network Performance Engineer I	Both	$140.80	$144.03	$147.35	$150.74	$154.20
27	54151S	IT Network Performance Engineer II	Both	$149.96	$153.41	$156.93	$160.54	$164.24

Item	SIN	Awarded Labor Category	Site	Year 1 9/30/19-9/29/20	Year 2 9/30/20-9/29/21	Year 3 9/30/21-9/29/22	Year 4 9/30/22-9/29/23	Year 5 9/30/23-9/29/24
28	54151S	IT Network Performance Engineer III	Both	$160.01	$163.69	$167.46	$171.31	$175.25
29	54151S	IT Application Developer I	Both	$132.00	$135.04	$138.14	$141.32	$144.57
30	54151S	IT Application Developer II	Both	$166.01	$169.82	$173.73	$177.72	$181.81
31	54151S	IT Application Developer III	Both	$176.62	$180.69	$184.84	$189.09	$193.44
32	54151S	IT Program Manager I	Both	$167.77	$171.63	$175.58	$179.61	$183.75
33	54151S	IT Program Manager II	Both	$181.53	$185.70	$189.97	$194.34	$198.81
34	54151S	IT Program Manager III	Both	$205.38	$210.10	$214.93	$219.88	$224.93
35	54151S	IT Systems Administrator I	Both	$135.94	$139.07	$142.26	$145.54	$148.88
36	54151S	IT Systems Administrator II	Both	$142.01	$145.27	$148.61	$152.03	$155.53
37	54151S	IT Systems Administrator III	Both	$149.00	$152.42	$155.93	$159.52	$163.19
38	541330ENG 541420 541715 54151S	Technologist I	Both	$184.20	$188.44	$192.77	$197.21	$201.74
39	541330ENG 541420 541715 54151S	Technologist II	Both	$207.67	$212.44	$217.33	$222.33	$227.44