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

LARGE CATEGORY: INFORMATION TECHNOLOGY
SUBCATEGORY: IT SERVICES

Special Item Number 54151ECOM  Electronic Commerce and Subscription Services

Includes value added network services, e-mail services, Internet access services, electronic subscription services, data transmission services, and emerging electronic commerce technologies.

NOTE: Subject to Cooperative Purchasing

FSC/PSC Code: DD01

Special Item Number 54151S  Information Technology Professional Services

IT Professional Services and/or labor categories for database planning and design; systems analysis, integration, and design; programming, conversion and implementation support; network services, data/records management, and testing.

The Contractor shall not resell IT Professional Services, except that IT professional services may only be resold in direct support of products that are authorized to be sold via the schedule contract, e.g., SIN 54151 - Software Maintenance Services that supports SIN 511210 - Software Licenses. (This does not include SINs within the IT Services Subcategory).

NOTE: Subject to Cooperative Purchasing

FSC/PSC Code: DA01

LARGE CATEGORY: MISCELLANEOUS
SUBCATEGORY: COMPLEMENTARY SINs

SIN OLM  Order-Level Materials (OLM)

OLMs are supplies and/or services acquired in direct support of an individual task or delivery order placed against a Schedule contract or BPA. OLM pricing is not established at the Schedule contract or BPA level, but at the order level. Since OLMs are identified and acquired at the order level, the ordering contracting officer (OCO) is responsible for making a fair and reasonable price determination for all OLMs.

OLMs are procured under a special ordering procedure that simplifies the process for acquiring supplies and services necessary to support individual task or delivery orders placed against a Schedule contract or BPA. Using this new procedure, ancillary supplies and services not known at the time of the Schedule award may be included and priced at the order level.

OLM SIN-Level Requirements/Ordering Instructions:

OLMs are:
• Purchased under the authority of the FSS Program
• Unknown until an order is placed
• Defined and priced at the ordering activity level in accordance with GSAR clause 552.238-115 Special Ordering

Procedures for the Acquisition of Order-Level Materials. (Price analysis for OLMs is not conducted when awarding the FSS contract or FSS BPA; therefore, GSAR 538.270 and 538.271 do not apply to OLMs)
• Only authorized for use in direct support of another awarded SIN.
• Only authorized for inclusion at the order level under a Time-and-Materials (T&M) or Labor-Hour (LH) Contract Line Item Number (CLIN)
• Subject to a Not To Exceed (NTE) ceiling price

OLMs are not:
• "Open Market Items"
• Items awarded under ancillary supplies/services or other direct cost (ODC) SINs (these items are defined, priced, and awarded at the FSS contract level)

OLM Pricing:
• Prices for items provided under the Order-Level Materials SIN must be inclusive of the Industrial Funding Fee (IFF).
• The value of OLMs in a task or delivery order, or the cumulative value of OLMs in orders against a FSS BPA awarded under an FSS contract, cannot exceed 33.33%.

NOTE: When used in conjunction with a Cooperative Purchasing eligible SIN, this SIN is Cooperative Purchasing Eligible.

NOTE: Subject to Cooperative Purchasing

FSC/PSC Code: 0000

Schedule Contract Number
GS-35F-0838P

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

Contract Period: September 7, 2004 through September 6, 2024

Contract current through: Modification 17 effective March 4, 2021
MASS Modification A826 effective November 29, 2020

Mckenzie Christopher Associates, Inc.
30 Greenway NW, Suite 2
Glen Burnie MD 21061-2557
(443) 852-1122 (phone)
(410) 923-8621 (facsimile)
www.mckenziechristopher.com

Contractor Point of Contact for Contract Administration
Martin M Johnson
President
Mckenzie Christopher Associates, Inc.
30 Greenway NW, Suite 2
Glen Burnie MD 21061-2557
(443) 852-1122 (phone)
(410) 923-8621 (facsimile)
www.mckenziechristopher.com
An SBA-certified 8(a) Small Disadvantaged Business

CUSTOMER INFORMATION

1a. Table of awarded Special Item Numbers:

Special Item Number 54151ECOM
Special Item Number 54151S
Special Item Number OLM

1b. Identification of lowest priced model number and corresponding price for each awarded Special Item Number:

<table>
<thead>
<tr>
<th>Special Item Number</th>
<th>Labor Category / Service</th>
<th>GSA Price with IFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>54151ECOM</td>
<td>Junior Telecommunications Specialist</td>
<td>$49.38</td>
</tr>
<tr>
<td>54151S</td>
<td>Junior Telecommunications Specialist</td>
<td>$49.38</td>
</tr>
</tbody>
</table>

1c. Identification of Services and Hourly Rates: See Pages 5 through 17, below.

2. Maximum Order:

Special Item Number 54151ECOM $500,000
Special Item Number 54151S $500,000
Special Item Number OLM $250,000

3. Minimum Order: $100

4. Geographic Coverage: Domestic

5. Point of Production: Glen Burnie, Maryland USA

6. Discount from Commercial List Price or Market Rate:

The GSA Net Prices published on the GSA Advantage website reflect the fully burdened price. The negotiated discount has been applied and the Industrial Funding Fee has been added.

7. Volume Discount: Not Applicable

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. Government Purchase Card:

Accepted for purchases at or below the micro-purchase threshold.

Acceptance for purchases above the micro-purchase threshold will be determined on a procurement-by-procurement basis

10. Foreign Item(s): Not Applicable

11a. Time of Delivery: As negotiated with the Ordering Activity

11b. Expedited Delivery: Please contact the Contract Administrator for availability and rates.
11c. **Overnight and 2-day Delivery**: Please contact the Contract Administrator for availability and rates.

11d. **Urgent Requirements**:

Please contact the Contract Administrator for availability and rates associated with accelerated delivery options.

12. **F.O.B. Point**: Destination

13a. **Ordering Address**:

Martin M Johnson  
President  
Mckenzie Christopher Associates, Inc.  
P.O. Box 456  
Millersville MD 21108Glen Burnie MD 21061-2557  
(410) 923-8620 (phone)  
(410) 923-8621 (facsimile)  
www.mckenziechristopher.com

13b. **Ordering Procedures**:

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

14. **Payment Address**:

Martin M Johnson  
President  
Mckenzie Christopher Associates, Inc.  
P.O. Box 456  
Millersville MD 21108Glen Burnie MD 21061-2557  
(410) 923-8620 (phone)  
(410) 923-8621 (facsimile)  
www.mckenziechristopher.com

15. **Warranty Provision**: Services shall be performed in a good and workmanlike manner.

16. **Export Packing Charges**: Not Applicable.

17. **Terms and conditions of Government purchase card acceptance**:

Please contact the Contractor for additional information.

18. **Terms and conditions of Rental, Maintenance, and Repair**: Not Applicable.

19. **Terms and conditions of Installation**: Not Applicable.

20. **Terms and conditions of Repair Parts indicating date of parts price lists and any discounts from list prices**:

Not Applicable.

20a. **Terms and conditions for any other Service**: Not Applicable.

21. **List of Service and Distribution Points**: Not Applicable.
22. **List of Participating Dealer:** Not Applicable.

23. **Preventative Maintenance:** Not Applicable.

24a. **Special Attributes such as Environmental Attributes (E.G., Recycled Content, Energy Efficiency, and/or Reduced Pollutants):**

Not Applicable.

24b. **Section 508 Compliance Information:**

Section 508 compliance information on the supplies and services in this contract are available in Electronic and Information Technology (EIT). The EIT standard can be found at: http://www.Section508.gov/.

25. **Data Universal Number System (DUNS) Number:** 016 072 873

26. **Notification regarding registration in System for Award Management (SAM) database:**

Contractor has a current registration in SAM.

27. **Description of Services and Approved Hourly Rates**

**ALL APPROVED LABOR CATEGORIES ARE ASSIGNED TO**

**SPECIAL ITEM NUMBER 54151S**

And

**SPECIAL ITEM NUMBER 54151ECOM**

**Commercial Job Title:** Program Manager

**Minimum/General Experience:** Twelve years of experience performing tasks focused on the leadership and/or task management of information systems engineering or systems integration projects and at least ten (10) years of technical experience in a software engineering, management information systems, and/or information security engineering capacity.

**Functional Responsibility:** Responsible for the performance of programs, projects, or subsystems of major programs or projects. Directs all phases of programs/projects from inception through completion. Coordinates the preparation of project plans, milestones, and operating budgets. Acts as primary customer contact for program activity, directing program review sessions with customer to discuss cost, schedule and technical performance. Establishes design concepts, criteria and engineering efforts for product research, development integration and test. Establishes milestones and monitors adherence to master plans and schedules. Identifies program problems and obtain solutions. Manages the work of technical, analytical, architectural and administrative assignments to the project or program.

**Minimum Education:**
· Masters Of Science (MS) Degree or equivalent in Electrical Engineering, Mechanical Engineering, Computer Science, Management Information Systems, Systems Engineering or Electrical Engineering Technology.

**Commercial Job Title:** Project Manager

**Minimum/General Experience:** Ten years of experience performing tasks focused on the leadership and/or task management of information systems engineering or systems integration projects and at least five (5) years of technical experience in an software engineering, system engineering and/or information security engineering capacity.
**Functional Responsibility:** Manages the execution of single projects of simple to medium complexity. Holds overall responsibility for customer satisfaction, and maintains the schedule for a project as specified for Mckenzie Christopher Associates. Generally, completes his/her duties and responsibilities on customer premise and/or project.

**Minimum Education:**
- Master Of Science (MS) Degree or eight years experience in Electrical Engineering, Mechanical Engineering, Computer Science, Management Information Systems, Systems Engineering or Electrical Engineering Technology

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**Commercial Job Title:** *Senior Communications Engineer*

**Minimum/General Experience:** Requires a minimum of five years of telecommunications and networking experience. Four years experience performing tasks focused on the leadership and/or task management of information systems engineering for systems integration projects.

**Functional Responsibility:** Evaluate, analyze, and designate data communication standards, interface criteria, modem requirements, communications security equipment requirements and operating characteristics. Apply appropriate traffic engineering practices to communications networks that ensure their ability to support the data processing requirements.

**Minimum Education:**
- Eight years of relevant experience or
- Bachelor’s of Science (BS) degree from and accredited institution and 4 years relevant experience or
- Master’s of Science (MS) degree from and accredited institution and 2 years relevant experience

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**Commercial Job Title:** *Communications Engineer*

**Minimum/General Experience:** Requires a minimum of three years of telecommunications and networking experience.

**Functional Responsibility:** Evaluate, analyze, and designate data communication standards, interface criteria, modem requirements, communications security equipment requirements and operating characteristics. Apply appropriate traffic engineering practices to communications networks that ensure their ability to support the data processing requirements.

**Minimum Education:**
- Six years of relevant experience or
- Bachelor’s of Science (BS) degree from and accredited institution and 3 years relevant experience or
- Master’s of Science (MS) degree from and accredited institution and 1 years relevant experience

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**Commercial Job Title:** *Junior Communications Engineer*

**Minimum/General Experience:** Requires a minimum of one year of telecommunications and networking experience.

**Functional Responsibility:** Evaluate, analyze, and designate data communication standards, interface criteria, modem requirements, communications security equipment requirements and operating characteristics. Apply appropriate traffic engineering practices to communications networks that ensure their ability to support the data processing requirements.
Minimum Education:
· Six years of relevant experience or
· Bachelor’s of Science (BS) degree from and accredited institution and 3 years relevant experience or
· Master’s of Science (MS) degree from and accredited institution and 1 years relevant experience.

Commercial Job Title: **Senior Telecommunications Engineer**

Minimum/General Experience: Combination of eight years information technology experience designing, implementing and supporting telecommunication network solutions, to include voice-based telephony systems, including four years of experience in the integration of voice and data networks

Functional Responsibility: Responsible for collecting and analyzing customer voice/data communication requirements. Manages the design, development, testing, fielding and maintenance of complex communication systems and sub-systems. Conducts Site Surveys to gather the information necessary to prepare detailed designs for inclusion into the customers’ network. Prepares detailed system designs that include voice/data communication requirements with full engineering diagrams to integrate into existing networks. Implements and integrates voice communication connectivity into the customer’s voice systems. Coordinates with customer staff to properly integrate the solution into their network. Responds to Customer Service Calls to diagnose problems, repair and replace components, and restore service.

Minimum Education:
· Bachelor of Science (BS) degree in a related field, or in the project’s functional area

Commercial Job Title: **Telecommunications Engineer**

Minimum/General Experience: Requires at least four years’ related network design/administration experience. Provides an experienced knowledge, analysis and design capability in networking to include LAN, WAN and large area/long line and modeling, client-server architectures, open architectures, World-wide Web Technologies.

Functional Responsibility: Responsible for design, development, testing, fielding and maintenance of complex communication systems and sub-systems. Provides communications and electronics technical support. Monitors worldwide information and telecommunications system technology advances to assist in the determination of system requirements to meet customer requirements.

Minimum Education:
· Eight years of relevant experience or
· Bachelor’s of Science (BS) degree from and accredited institution and 4 years relevant experience or
· Master’s of Science (MS) degree from and accredited institution and 2 years relevant experience

Commercial Job Title: **Junior Telecommunications Engineer**

Minimum/General Experience: Requires at least two years’ related network administration experience. Provides strong knowledge, analysis and design experience in networking to include local/metropolitan/wide area networks.

Functional Responsibility: Assists in the design, development, testing, fielding and maintenance of communication systems and sub-systems. Provides communications and electronics technical support. Monitors worldwide information and telecommunications system technology advances to assist in the determination of system requirements to meet customer requirements.
Minimum Education:
· Four years of relevant experience or
· Bachelor’s of Science (BS) degree from an accredited institution and 2 years relevant experience or
· Master’s of Science (MS) degree from an accredited institution and 1 years relevant experience

Commercial Job Title: **Senior Telecommunications Specialist**

**Minimum/General Experience:** Combination of six years information technology experience implementing and supporting telecommunication network solutions, to include voice-based telephony systems, including three years of experience in the integration of voice and data hardware and software.

**Functional Responsibility:** Responsible for collecting and analyzing customer voice/data communication requirements. Manages the testing, fielding and maintenance of complex communication systems and sub-systems. Conducts Site Surveys to gather the information necessary to prepare detailed designs for inclusion into the customers’ network. Assists with the preparation of detailed system designs that include voice/data communication requirements with full engineering diagrams to integrate into existing networks. Implements and integrates voice communication connectivity into the customer’s voice systems. Coordinates with customer staff to properly integrate the solution into their network. Responds to Customer Service Calls to diagnose problems, repair and replace components, and restore service.

Minimum Education:
· Six years of relevant experience or
· Bachelor’s of Science (BS) degree from an accredited institution and 2 years relevant experience or
· Master’s of Science (MS) degree from an accredited institution

Commercial Job Title: **Telecommunications Specialist**

**Minimum/General Experience:** Requires at least four years information technology experience implementing and supporting telecommunication network solutions, to include voice-based telephony systems, including two years of experience in the integration of voice and data hardware and software.

**Functional Responsibility:** Assists in the testing, fielding and maintenance of complex communication systems and sub-systems. Provides communications and electronics technical support. Monitors worldwide information and telecommunications system technology advances to assist in the determination of system requirements to meet customer requirements.

Minimum Education:
· Four years of relevant experience or
· Bachelor’s of Science (BS) degree from an accredited institution

Commercial Job Title: **Junior Telecommunications Specialist**

**Minimum/General Experience:** Requires at least two years’ related network administration experience supporting telecommunication network solutions, to include voice-based telephony systems in the integration of voice and data hardware and software. Must have experience in networking to include local/metropolitan/wide area networks.
**Functional Responsibility:** Assists in the design, development, testing, fielding and maintenance of communication systems and sub-systems. Provides communications and electronics technical support. Monitors worldwide information and telecommunications system technology advances to assist in the determination of system requirements to meet customer requirements.

**Minimum Education:**
- Two years of relevant experience or
- Associates degree from and accredited institution and 1 year relevant experience

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**Commercial Job Title:** **Senior Network Engineer**

**Minimum/General Experience:** Must have at least six years’ related network design/administration experience. Also requires strong technical knowledge of the principles, methods, and techniques used in network administration and engineering. Certification in specific applications may be required, depending on job assignment.

**Functional Responsibility:** Manages the implementation and support of communications systems to include local, wide, and metropolitan area networks and information technology infrastructure. Installs and configures network equipment, servers, IT based security hardware and software products, server-based applications and network devices. Troubleshoots and repairs local, wide, and metropolitan network problems. Documents the existing information technology architecture; assists in designing the target architecture and migration strategies.

**Minimum Education:**
- Nine years of relevant experience or
- Bachelor’s of Science (BS) degree from and accredited institution and 5 years relevant experience or
- Master’s of Science (MS) degree from and accredited institution and 3 years relevant experience

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**Commercial Job Title:** **Network Engineer**

**Minimum/General Experience:** Must have at least four years’ related network design/administration experience. Also requires knowledge of the principles, methods, and techniques used in network administration and engineering plus knowledge of and ability to use relevant hardware, software and other equipment. Certification in specific applications may be required, depending on job assignment.

**Functional Responsibility:** Analyzes local and wide area network systems, including planning, designing, evaluating, selecting, and upgrading operating systems and protocol suites and configuring communication media with concentrators, bridges, and other devices. Resolves interoperability problems to obtain operations across all platforms including email, file transfer, multimedia, teleconferencing, and the like. Configures systems to user requirements, supports the acquisition of hardware and software, and performs various tests and documents results. Administrates and maintains local and wide area networks, provides technical support and troubleshooting to users, plans network layout design, and may administer network security.

**Minimum Education:**
- Eight years of relevant experience or
- Bachelor’s of Science (BS) degree from and accredited institution and 4 years relevant experience or
- Master’s of Science (MS) degree from and accredited institution and 2 years relevant experience
Commercial Job Title: **Junior Network Engineer**

**Minimum/General Experience:** One to three or more years of experience in network design, implementation, and support.

**Functional Responsibilities:** Installs, maintains and monitors the operation of the organization’s local or wide area network systems. Evaluates vendor products in hardware, software, and telecommunications equipment. Develops network policies and standards and ensures adherence to security procedures. Analyzes, develops, and supports telecommunications networks supporting a wide range of applications, including voice, data, video, and/or wireless services. Develops designs and plans for the installation and maintenance of telecommunications systems from project inception to conclusion. Works closely with other information technology professionals to ensure proper implementation of network services and performs trouble ticket entry, service order fulfillment, and configuration management functions for network services. Performs other technical duties as assigned by the Senior Network Engineer

**Minimum Education:**
- Nine years of relevant experience or
- Bachelor's of Science (BS) degree from and accredited institution and 5 years relevant experience or
- Master's of Science (MS) degree from and accredited institution and 3 years relevant experience

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Commercial Job Title: **Senior Technician**

**Minimum/General Experience:** Requires seven years of progressive experience in supervision of installation software and hardware technicians. Analyses, designs, and installs computer based systems, LANs/WANs, and communications systems. General experience includes increasing responsibilities in technical management. Progressive experience including at least two projects in technical areas (e.g., automated data processing equipment, networks, software, client/server configurations, LANs/WANs, communications, etc). At least one project must have occurred within the past three years. Experience in developing and providing technical and end-user training on computer hardware and application software. Demonstrated ability to communicate orally and in writing.

**Functional Responsibility:** Performs direct technical work on projects. Selects and adapts plans, techniques, designs, or layouts. Supervises other technicians and installs, operates, maintains, configures, troubleshoots, and repairs general purpose commercial automated data processing computer system devices, circuits, cables, components, software, and end-user devices, components, software, and connectivity. Reviews, analyzes, and integrates the technical work of others. Coordinates with the Project Manager, and Government user representatives to ensure accurate solutions and user satisfaction on technical matters. Performs systems analysis and plans tests to evaluate equipment performance, hardware capabilities and configurations. Conducts tests and prepares reports on findings and recommendations.

**Minimum Education:**
- Ten years of relevant experience or
- Bachelor's of Science (BS) degree from and accredited institution and 7 years relevant experience or
- Master's of Science (MS) degree from and accredited institution and 4 years relevant experience

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Commercial Job Title: **Technician**

**Minimum/General Experience:** Requires four years of progressive experience in supervision of installation software and hardware technicians. Analyses, designs, and installs computer based systems, LANs/WANs, and communications systems. General experience must include increasing responsibilities in technical management. Progressive experience including at least two projects in technical areas (e.g., automated data...
processing equipment, networks, software, client/server configurations, LANs/WANs, communications, etc). Experience in developing and providing technical and end-user training on computer hardware and application software.

Functional Responsibility: Performs direct technical work on projects. Works with minimal supervision and installs, operates, maintains configures, troubleshoots, and repairs general purpose commercial automated data processing computer systems devices, circuits, cables, components, software, and end-user devices, components, software, and connectivity. Coordinates with the Project Manager, Senior Technician, and Government user representatives to ensure accurate solutions and user satisfaction on technical matters. Performs systems analysis and evaluation of hardware capabilities and configurations.

Minimum Education:
· Seven years of relevant experience or
· Bachelor’s of Science (BS) degree from and accredited institution and 4 years relevant experience or
· Master’s of Science (MS) degree from and accredited institution and 1 years relevant experience

Commercial Job Title: Junior Technician

Minimum/General Experience: Requires two years of experience in analysis, design, and installation of computer based systems; analysis, design, and installation of LANs/WANs; and/or analysis, design, and installation of communications systems. Experience in developing and/or providing technical and end-user training on computer hardware and application software. Demonstrated ability to communicate orally and in writing.

Functional Responsibility: Performs direct technical work on projects. Follows standard work methods on recurring assignments but receives instruction on unfamiliar assignments. Assembles, constructs, services, and/or repairs simple or standard equipment or parts. Coordinates with the Project Manager, Senior Technician, and Government user representatives to ensure accurate solutions and user satisfaction on technical matters. Conducts tests using established procedures, adjusts and operates equipment, records test data, and presents data in a prescribed form.

Minimum Education:
· Two years of relevant experience or
· Bachelor’s of Science (BS) degree from and accredited institution and 1 year relevant experience

Commercial Job Title: IT Specialist

Minimum/General Experience: Requires six years of IT knowledge and demonstrated hands-on experience and/or training in areas of emerging technologies.

Functional Responsibility: Provides technical expertise and support in one or more emerging technology areas including, but not limited to, wireless communications, data mining, knowledge discovery, Internet technologies, secure messaging, enterprise engineering, fraud detection, intrusion detection, information assurance, public key infrastructure (PKI), and critical infrastructure protection. Reviews and recommends solutions to customer problems based on prior experience and hands-on understanding of how products and services interrelate and support the customer mission.

Minimum Education:
· Six years of relevant experience or
· Bachelor’s of Science (BS) degree from and accredited institution and 3 years relevant experience or
· Master’s of Science (MS) degree from and accredited institution and 1 years relevant experience
Commercial Job Title: **Information Systems Security Officer**

**Minimum/General Experience:** Requires four years of progressive information systems security and computer systems hardware and software experience.

**Functional Responsibility:** Provides technical and management support for Information Systems including security management and related security administrative functions. Also provides training and awareness and conducts physical security coordination. Performs security audits and is responsible for incidents and violation reporting. Responsible for risk management, certification and accreditation, security configuration management, and contingency planning. Develops security documentation and provides technical assistance.

**Minimum Education:**
- Eight years of relevant experience or
- Bachelor’s of Science (BS) degree from and accredited institution and 4 years relevant experience or
- Master’s of Science (MS) degree from and accredited institution and 2 years relevant experience

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Commercial Job Title: **Senior Systems Engineer**

**Minimum/General Experience:** Requires an M.S. in a technical field such as Engineering or Computer Science and a minimum of 8 years experience in performing system requirement analyses and specifications, and modeling and trade-off studies. Must have experience in reviewing and analyzing complex task statements, standards, specifications, and other documentation to determine engineering requirements. Developing test plans and determining appropriate test criteria and procedures; and planning and conducting work requiring judgment in the independent evaluation, selection, and adaptation and modification of standard techniques, procedures and criteria.

**Functional Responsibility:** Direct and coordinate the work activities of a group of systems engineers. Perform a variety of complex project tasks applied to specialized technology problems. Typical assignments involve integration of processes or methodologies to resolve total system, problems, or applications.

**Minimum Education:**
- Bachelor’s of Science (BS) degree from and accredited institution and 11 years relevant experience
- Master’s of Science (MS) degree from and accredited institution and 8 years relevant experience

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Commercial Job Title: **Systems Engineer**

**Minimum/General Experience:** Requires eight years of progressively more difficult systems experience with three years experience within the last five years in architecting large scale business systems. A minimum of three years experience involving data base, batch, interactive, and/or LAN based business systems utilizing PCs, and/or medium to large main frame computers is also required. Must have a working knowledge of operating systems concepts and facilities applicable to the site supported, five years experience in one or more of the applicable structured programming languages, and a minimum of three years experience in applicable data base software. Must also have a working knowledge of the basic principle of business information systems and engineering disciplines and knowledge of state of the art business information systems hardware, software, development tools, techniques, and concepts.

**Functional Responsibility:** Provides technical solutions for routine to complex engineering studies, and applications. Responsible for analyzing, evaluating and making recommendations on current and proposed systems and architecting cost effective solutions to ensure systems developed make the most of resource
and technology available in meeting business requirements. Must be adept at problem definition and resolution. Must be capable of documenting the business requirements and recommended solutions. Experience in analysis, design and development of large business information systems is required.

**Minimum Education:**
- Ten years of relevant experience or
- Bachelor’s of Science (BS) degree from and accredited institution and 8 years relevant experience or
- Master’s of Science (MS) degree from and accredited institution and 5 years relevant experience

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**Commercial Job Title: Junior Systems Engineer**

**Minimum/General Experience:** Requires four years of progressively more difficult systems experience with designing or assisting with the design of large scale business systems. Develops and applies engineering/analysis methods, theories, and research methods in the investigation of problems. Analyzes and develops technical documentation detailing the integration and system performance. Provides technical support in the resolution of user-defined issues.

**Functional Responsibility:** Provides technical solutions for routine engineering studies, and applications. Responsible for analyzing, evaluating and making recommendations on current and proposed systems and architecting cost effective solutions to ensure systems developed make the most of resource and technology available in meeting business requirements. Must be adept at problem definition and resolution. Must be capable of documenting the business requirements and recommended solutions. Experience in analysis, design and development of large business information systems is required.

**Minimum Education:**
- Six years of relevant experience or
- Bachelor’s of Science (BS) degree from and accredited institution and 4 years relevant experience or
- Master’s of Science (MS) degree from and accredited institution and 2 years relevant experience

---

**Commercial Job Title: Senior Software Engineer**

**Minimum/General Experience:** Five years with Bachelors or three years with Masters.

**Functional Responsibility:** Conducts or participates in research and collaborates with equipment designers and/or hardware engineers in the planning, design, development, and utilization of electronic data processing systems software. Determines end user needs; advises hardware designers on device characteristics that affect software systems such as storage capacity, processing speed, and input/output requirements; designs and develops utility programs, and operating systems. Collaborates with equipment designers and/or hardware engineers in the design, development, and utilization of electronic data processing systems software. Determines computer user needs; advises hardware designers on machine characteristics that affect software systems such as storage capacity, processing speed, and input/output requirements; utility programs, and operating systems such as executive programs. Complete understanding and wide application of technical principles, theories, and concepts, in the field. General knowledge of other related disciplines.

**Minimum Education:**
- Bachelor’s degree in an engineering discipline from an accredited college in related discipline with 5 years or more of professional experience or
- 3 years with master’s degree.
Commercial Job Title: **Software Engineer**

**Minimum/General Experience:** Three years with Bachelors or 2 years with Masters

**Functional Responsibility:** Conducts or participates in research and collaborates with equipment designers and/or hardware engineers in the planning, design, development, and utilization of electronic data processing systems software. Determines end user needs; advises hardware designers on machine characteristics that affect software systems such as storage capacity, processing speed, and input/output requirements; designs and develops utility programs, and operating systems. Collaborates with equipment designers and/or hardware engineers in the design, development, and utilization of electronic data processing systems software. Determines computer user needs; advises hardware designers on machine characteristics that affect software systems such as storage capacity, processing speed, and input/output requirements; designs and develops utility programs, and operating systems such as executive programs. Applies extensive technical expertise, and has strong knowledge of other related disciplines.

**Minimum Education:**
- Bachelor's degree in an engineering discipline from an accredited college in related discipline with 3 years or more of professional experience or
- 2 years with master’s degree.

Commercial Job Title: **Junior Software Engineer**

**Minimum/General Experience:** 0 Years

**Functional Responsibility:** Determines computer user needs; advises hardware designers on machine characteristics that affect software systems such as storage capacity, processing speed, and input/output requirements. Collaborates with equipment designers and/or hardware engineers in the design, development, and utilization of electronic data processing systems software. Determines computer user needs; advises hardware designers on machine characteristics that affect software systems such as storage capacity, processing speed, and input/output requirements. Limited use and/or application of technical principles, theories, and concepts.

**Minimum Education:** Bachelor’s degree in a related engineering discipline from an accredited college with 0 years of professional experience. Considered entry level.

**Minimum Education:**
- Bachelor’s degree in a related discipline from an accredited college in related discipline with 0 years or more of professional experience or
- 4 years of functional experience.

Commercial Job Title: **Senior Database Administrator**

**Minimum/General Experience:** Six years of experience in the development and maintenance of database management systems and database management systems design, system analysis, and development. Experience in current operating procedures and database management systems. Strong experience in all phases of the software development life cycle.

**Functional Responsibility:** Responsible for the development and management of database system development projects. Provide technical expertise and direction in the logical and physical database design, development, transition, operation, and maintenance of database management systems. Conduct management analysis and define data requirements. Evaluate the data processing techniques, database
management, and management information system concepts and applications as they relate to customer information goals. Define all required database administration policies, procedures, standards, and guidelines.

**Minimum Education:**
- Bachelor of Science (BS) degree in an engineering discipline from an accredited college in related discipline with 4 years or more of professional experience or
- Six years with functional experience.

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Commercial Job Title: **Database Administrator**

**Minimum/General Experience:** Four (4) years experience in providing technical expertise and guidance in the definition, control, integrity, operations, and management of database management systems. Duties include, but are not limited to, evaluation and recommendation of products and services. Possesses detail understanding and training in applicable database administration practices and tools for the specific project and environment.

**Functional Responsibility:** Develop and test logical and physical database designs. Review logical and physical designs of existing databases and perform tuning, in coordination with the senior database engineer, to ensure maximum operating efficiency. Perform data analysis, database design, development activities, and implementation, as directed, for databases and database conversions. Perform database-restructuring activities. Work with users and information systems development staff to determine data storage and access requirements.

**Minimum Education:**
- Bachelor’s degree in an engineering discipline from an accredited college in related discipline with 1 years or more of professional experience or
- 2 years with functional experience.

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Commercial Job Title: **Junior Database Analyst**

**Minimum/General Experience:** Two years of experience in database analysis and data modeling in a relational database management system (RDBMS) environment. Experience using RDBMS structured query language (SQL) tools and performance tuning tools/techniques.

**Functional Responsibilities:** Analysis and design of existing or proposed systems to access large-scale business applications. Develops detailed specifications and flowcharts and coordinates installation of new or revised systems. Monitors databases for performance. Implements new procedures, to ensure optimal performance.

**Minimum Education:**
- Bachelor of Science (BS) degree in an engineering discipline in a related discipline or
- Two years with functional experience.

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Commercial Job Title: **Subject Matter Specialist**

**Minimum/General Experience:** This position requires eight years of experience.
**Functional Responsibility:** Possesses unique experience and specialized knowledge in technical, functional, and/or process areas. Applies best industry practices and standards, current technology, and creative solutions to challenging problems. Works directly with customer management to apply advanced principles, theories, and concepts and develops solutions to complex problems. Defines key concepts for planning, deployment, integration, operation and/or enhancement of state-of-the-art and/or legacy systems. Employs methodologies for guiding others in problem resolution. Develops insightful solutions to meet fiscal, technological and schedule constraints.

**Minimum Education:**
- Ten years of relevant experience or
- Bachelor’s of Science (BS) degree from an accredited institution and 8 years relevant experience or
- Master’s of Science (MS) degree from an accredited institution and 5 years relevant experience

### APPROVED HOURLY RATES

<table>
<thead>
<tr>
<th>Labor Category</th>
<th>GSA Price with IFF</th>
<th>GSA Price with IFF</th>
<th>GSA Price with IFF</th>
<th>GSA Price with IFF</th>
<th>GSA Price with IFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Manager</td>
<td>$176.42</td>
<td>$179.58</td>
<td>$182.79</td>
<td>$186.06</td>
<td>$189.39</td>
</tr>
<tr>
<td>Project Manager</td>
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<td>$163.80</td>
<td>$166.74</td>
<td>$169.72</td>
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</tr>
<tr>
<td>Senior Communications Engineer</td>
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<td>$109.92</td>
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<tr>
<td>Communications Engineer</td>
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<td>$98.54</td>
<td>$100.30</td>
<td>$102.10</td>
<td>$103.93</td>
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<tr>
<td>Junior Communications Engineer</td>
<td>$83.45</td>
<td>$84.95</td>
<td>$86.47</td>
<td>$88.02</td>
<td>$89.59</td>
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<tr>
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<td>$100.71</td>
<td>$102.51</td>
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<td>Junior Telecommunications Engineer</td>
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<td>Senior Telecommunications Specialist</td>
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<td>$59.01</td>
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<td>Telecommunications Specialist</td>
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<tr>
<td>Senior Network Engineer</td>
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<tr>
<td>Network Engineer</td>
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<tr>
<td>Junior Network Engineer</td>
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<tr>
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<td>Junior Technician</td>
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<td>IT Specialist</td>
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<td>Systems Engineer</td>
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<td>Junior Systems Engineer</td>
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<td>Senior Software Engineer</td>
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<td>Junior Software Engineer</td>
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<td>Senior Database Administrator</td>
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<td>Junior Database Administrator</td>
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<td>Subject Matter Expert</td>
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</tbody>
</table>

The Service Contract Labor Standards, formerly the Service Contract Act (SCA), apply to this contract and it includes SCLS applicable labor categories. Labor categories and fixed price services marked with a (**) in this pricelist are based on the U.S. Department of Labor Wage Determination Number(s) identified in the SCLS/SCA matrix. The prices awarded are in line with the geographic scope of the contract (i.e., nationwide).
Acceptance Testing: Acceptance testing shall be performed of the systems for ordering activity approval in accordance with the approved test procedures. Management and operations pricing shall be provided on a uniform basis. All management and operations requirements for which pricing elements are not specified shall be provided as part of the basic service.

Normal commercial installation, operation, maintenance, and engineering interface training on the system shall be provided. If there is a separate charge, it must be stated as an attachment to the GSA Price List (I-FSS-600 CONTRACT PRICE LISTS (OCT 2016)).

Monthly summary report may be provided to the Ordering Activity in accordance with commercial practice.

There are no additional terms.

The use of the Order Level Materials (OLM) SIN is limited to 59 OLM-eligible subcategories under the MAS program. Supplies and/or services provided utilizing OLM authority must be acquired in direct support of an individual task or delivery order that is placed under an OLM-eligible subcategory as identified below:

1) Apparel 23) Human Resources
2) Audio Visual Products 24) Identity Protection Services
3) Audio Visual Services 25) Industrial Products
4) Awards 26) Industrial Products and Services
5) Background Investigations 27) IT Hardware
6) Business Administrative Services 28) IT Services
7) Compensation and Benefits 29) IT Software
8) Document Services 30) IT Solutions
9) Electronic Commerce 31) IT Training
10) Environmental Services 32) Language Services
11) Facilities Maintenance and Repair 33) Legal Services
12) Facilities Services 34) Logistical Services
13) Facilities Solutions 35) Machinery and Components
14) Financial Services 36) Mail Management
15) Fire/Rescue/Safety/Environmental Protection Equipment 37) Marine and Harbor
16) Fitness Solutions. 38) Marketing and Public Relations
17) Flags 39) Medical Equipment
18) Flooring 40) Miscellaneous Furniture
19) Fuel Management 41) Musical Instruments
20) Furniture Services 42) Office Furniture
21) Healthcare Furniture 43) Office Management Maintenance
22) Household, Dormitory & Quarters
<table>
<thead>
<tr>
<th>No.</th>
<th>Category</th>
<th>Description</th>
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<tbody>
<tr>
<td>44)</td>
<td>Office Services</td>
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<tr>
<td>45)</td>
<td>Packaged Furniture.</td>
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<tr>
<td>46)</td>
<td>Printing and Photographic Equipment</td>
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<tr>
<td>47)</td>
<td>Protective Equipment</td>
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<tr>
<td>48)</td>
<td>Records Management</td>
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<tr>
<td>49)</td>
<td>Search and Navigation</td>
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<tr>
<td>50)</td>
<td>Security Animals and Related Services</td>
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<tr>
<td>51)</td>
<td>Security Services</td>
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<td>52)</td>
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<td>Structures</td>
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<td>56)</td>
<td>Technical and Engineering Services</td>
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<td>57)</td>
<td>Telecommunications</td>
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<td>58)</td>
<td>Testing Equipment</td>
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<tr>
<td>59)</td>
<td>Training</td>
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</tbody>
</table>

NOTE: More information related to the Order Level Materials SIN is available at gsa.gov/mascategoryrequirements