



**GENERAL SERVICES ADMINISTRATION
Federal Supply Service
Authorized Federal Supply Schedule Pricelist**

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 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**

Special Item Number 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
47QTCA19D00J3**

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

Contract Period: August 15, 2019 through August 14, 2024

Contract current through: Modification 3 effective May 25, 2021
MASS Modification A847 effective July 21, 2022

E4 Technology, Inc.
1107 Tunlaw Rd. SE
Huntsville AL 35801-3129
256-698-9602 (telephone)
866-619-6081 (facsimile)
www.e4technologyinc.com

Contractor Point of Contact for Contract Administration
Glen Yates
President

E4 Technology, Inc.
1107 Tunlaw Rd SE
Huntsville AL 35801-3129
256-698-9602 (telephone)
866-619-6081 (facsimile)
glen.yates@e4technologyinc.com

A Service-disabled Veteran-owned Small Business

CUSTOMER INFORMATION

1a. Table of awarded Special Item Numbers:

Special Item Number 54151S	Information Technology Professional Services
Special Item Number OLM	Order-Level Materials (OLM)

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

Special Item Number	Labor Category	GSA Price with IFF
54151S	See Section 26, below	\$62.87 per hour

1c. Identification of Services and Hourly Rates: Please refer to pages 7 through 11, below.

2. Maximum Order:

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

3. Minimum Order: \$100

4. Geographic Coverage: Domestic

5. Points of Production: Huntsville, Alabama USA

6. Discount from List Price or Statement of Net Price:

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. Quantity Discount: None.

8. Prompt Payment Terms: Net 30 days.

Note: Prompt Payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

9. Foreign Item: Not Applicable.

10a. Time of Delivery: As negotiated with the Ordering Activity.

10b. Expedited Delivery: Please contact the Contract Administrator for availability.

10c. Overnight and 2-day Delivery: Please contact the Contract Administrator for availability.

10d. Urgent Requirements: Please contact the Contract Administrator for availability.

11. F.O.B. Point: Destination.

12a. Ordering Address:

Glen Yates
 President
 E4 Technology, Inc.
 1107 Tunlaw Rd SE
 Huntsville, AL 35801-3129
 256-698-9602 (telephone)
 866-619-6081 (facsimile)
 glen.yates@e4technologyinc.com

12b. 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.

13. Payment Address:

Glen Yates
President
E4 Technology, Inc.
1107 Tunlaw Rd SE
Huntsville, AL 35801-3129
256-698-9602 (telephone)
866-619-6081 (facsimile)
glen.yates@e4technologyinc.com

14. Warranty Provisions:

Personnel who perform work on a task order under an awarded Schedule labor category shall meet the awarded Minimum/General Experience, Functional Responsibility, and Minimum Education or the awarded Schedule-level substitutions. The awarded Schedule-level qualifications cannot be waived by the Ordering Agency at the Blanket Purchase Agreement (BPA) or Task Order level.

15. Export Packing Charges: Not Applicable.

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

17. Terms and conditions of Installation: Not Applicable.

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

Not Applicable.

19. Terms and conditions for any other Service: None.

20. List of Service and Distribution Points: Not Applicable.

21. List of Participating Dealer: Not Applicable.

22. Preventative Maintenance: Not Applicable.

23a. Special Attributes such as Environmental Attributes (E.G., Recycled Content, Energy Efficiency, and/or Reduced Pollutants):

Not Applicable.

23b. Section 508 Compliance Information: The EIT standards can be found at: www.Section508.gov/.

24. Unique Entity Identified (EUI): TDQ3ERBZLS73

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

Contractor has a current registration in SAM.

26. Description of Information Technology Professional Services and Approved Hourly Rates:

Junior Software Engineer

Minimum/General Experience: None

Functional Responsibility: Researches, designs, and develops computer software systems, in conjunction with hardware product development, applying principles and techniques of computer science, engineering, and mathematical analysis. Analyzes, reviews, and rewrites programs to increase operating efficiency or to adapt program to new operating environments. Compiles and writes system applications to meet requirements and design specifications. Analyzes software requirements to determine feasibility of design within time and cost constraints. Consults with hardware engineers and other engineering staff to evaluate interface between hardware and software, and operational and performance requirements of overall system. Formulates and designs software applications, using scientific analysis and mathematical models to predict and measure outcome and consequences of design. Develops and directs software system testing procedures, software development, and documentation. Ensures software applications meet end-user needs and meets performance specifications. Generates engineering documentation to include software development plans, software design documentation, interface control documentation, and unit test procedures.

Minimum Education: Bachelor's degree

Mid Software Engineer

Minimum/General Experience: 2 years

Functional Responsibility: Researches, designs, and develops computer software systems, in conjunction with hardware product development, applying principles and techniques of computer science, engineering, and mathematical analysis. Analyzes, reviews, and rewrites programs to increase operating efficiency or to adapt program to new operating environments. Compiles and writes system applications to meet requirements and design specifications. Analyzes software requirements to determine feasibility of design within time and cost constraints. Consults with hardware engineers and other engineering staff to evaluate interface between hardware and software, and operational and performance requirements of overall system. Formulates and designs software applications, using scientific analysis and mathematical models to predict and measure outcome and consequences of design. Develops and directs software system testing procedures, software development, and documentation. Ensures software applications meet end-user needs and meets performance specifications. Generates engineering documentation to include software development plans, software design documentation, interface control documentation, and unit test procedures.

Minimum Education: Bachelor's degree

Senior Software Engineer

Minimum/General Experience: 8 years

Functional Responsibility: Researches, designs, and develops computer software systems, in conjunction with hardware product development, applying principles and techniques of computer science, engineering, and mathematical analysis. Analyzes, reviews, and rewrites programs to increase operating efficiency or to adapt program to new operating environments. Compiles and writes system applications to meet requirements and design specifications. Analyzes software requirements to determine feasibility of design within time and cost constraints. Consults with hardware engineers and other engineering staff to evaluate interface between hardware and software, and operational and performance requirements of overall system. Formulates and designs software applications, using scientific analysis and mathematical



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Minimum Education: Bachelor's degree

SME Software Engineer

Minimum/General Experience: None

Functional Responsibility: Researches, designs, and develops computer software systems, in conjunction with hardware product development, applying principles and techniques of computer science, engineering, and mathematical analysis. Analyzes, reviews, and rewrites programs to increase operating efficiency or to adapt program to new operating environments. Compiles and writes system applications to meet requirements and design specifications. Analyzes software requirements to determine feasibility of design within time and cost constraints. Consults with hardware engineers and other engineering staff to evaluate interface between hardware and software, and operational and performance requirements of overall system. Formulates and designs software applications, using scientific analysis and mathematical models to predict and measure outcome and consequences of design. Develops and directs software system testing procedures, software development, and documentation. Ensures software applications meet end-user needs and meets performance specifications. Generates engineering documentation to include software development plans, software design documentation, interface control documentation, and unit test procedures.

Minimum Education: High School Diploma

Junior Network Engineer

Minimum/General Experience: None

Functional Responsibility: Designs and oversees local area networks, wide area networks, and network segments. Establishes networking environments by designing system configuration; directing system installation; defining, documenting, and enforcing system standards. Maximizes network performance by monitoring performance; troubleshooting network problems and outages; scheduling upgrades; collaborating with network architects on network optimization. Secures network system by establishing and enforcing policies; defining and monitoring access. Updates job knowledge by participating in educational opportunities; reading professional publications; maintaining personal networks; participating in professional organizations. Accomplishes information systems and organization mission by completing related results as needed. Reporting network operational status by gathering, prioritizing information; managing projects.

Minimum Education: Bachelor's degree

Mid Network Engineer

Minimum/General Experience: 2 years

Functional Responsibility: Designs and oversees local area networks, wide area networks, and network segments. Establishes networking environments by designing system configuration; directing system installation; defining, documenting, and enforcing system standards. Maximizes network performance by monitoring performance; troubleshooting network problems and outages; scheduling upgrades;



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Minimum/General Experience: 8 years

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Minimum Education: Bachelor's degree

SME Network Engineer

Minimum/General Experience: None

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Minimum Education: High School Diploma

Junior Web/Cloud Engineer

Minimum/General Experience: None

Functional Responsibility: Performs technological duties associated with cloud computing, including design, planning, management, maintenance and support. Develops web-based applications and services based on latest cloud-based application platforms. Develops applications that execute in virtualized environments taking in account storage and networking infrastructure to ensure disaster recovery, high-



availability, and fail over redundancy. Generates engineering documentation to include cloud architecture design documentation, system sub-system specifications, software development plan, software requirement specifications, and interface control documentation.

Minimum Education: Bachelor's degree

Mid Web/Cloud Engineer

Minimum/General Experience: 2 years

Functional Responsibility: Performs technological duties associated with cloud computing, including design, planning, management, maintenance and support. Develops web-based applications and services based on latest cloud-based application platforms. Develops applications that execute in virtualized environments taking in account storage and networking infrastructure to ensure disaster recovery, high-availability, and fail over redundancy. Generates engineering documentation to include cloud architecture design documentation, system sub-system specifications, software development plan, software requirement specifications, and interface control documentation.

Minimum Education: Bachelor's degree

SME Web/Cloud Engineer

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Minimum Education: High School Diploma

Junior Systems Analyst

Minimum/General Experience: None

Functional Responsibility: Responsible for installing, upgrading and monitoring software and hardware. Maintains computer operating systems, business applications, security tools, web-servers, email, laptop, and desktop PCs. Performs software installations, upgrades, and migrations. Ensures the integrity of information systems are not compromised by deploying security controls and policies. Manages the creation and management of user accounts, mail accounts, databases, web servers, active directory servers, and print servers. Configures and administers network appliances, storage appliances, disk arrays, tape libraries, and time servers. Creates architecture and network connectivity diagrams. Develops backup plans, develops continuity of operations plans, and develops disaster recovery plans. Generates failure reports, archives logs, and manages certificates.

Minimum Education: Bachelor's degree

Mid Systems Analyst

Minimum/General Experience: 2 years

Functional Responsibility: Responsible for installing, upgrading and monitoring software and hardware. Maintains computer operating systems, business applications, security tools, web-servers, email, laptop, and desktop PCs. Performs software installations, upgrades, and migrations. Ensures the integrity of information systems are not compromised by deploying security controls and policies. Manages the creation and management of user accounts, mail accounts, databases, web servers, active directory servers, and print servers. Configures and administers network appliances, storage appliances, disk arrays, tape libraries, and time servers. Creates architecture and network connectivity diagrams. Develops backup plans, develops continuity of operations plans, and develops disaster recovery plans. Generates failure reports, archives logs, and manages certificates.

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Senior Systems Analyst

Minimum/General Experience: 8 years

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Minimum Education: High School Diploma

Junior Electrical Engineer

Minimum/General Experience: None

Functional Responsibility: Researches, develops, designs, and tests electrical components, equipment, and systems, applying principles and techniques of electrical engineering. Designs electrical equipment, facilities, components, products, and systems for commercial, industrial, and domestic purposes. Designs and directs engineering personnel in fabrication of test control apparatus and equipment, and determines methods, procedures, and conditions for testing products. Develops applications of controls, instruments, and systems for new commercial, domestic, and industrial uses. Directs activities to ensure that manufacturing, construction, installation, and operational testing conform to functional specifications and customer requirements. May direct and coordinate operation, maintenance, and repair of equipment and systems in field installations. May specialize in specific area of discipline, such as electrical energy generation, transmission, and distribution systems; products, such as appliances, generators, transformers, control devices, and relays; or area of work, such as manufacturing, applications, or installation. May use computer-assisted engineering and design software and equipment to perform engineering tasks. Develops electrical cables, performs electrical throughput tests, ensures proper grounding of circuitry, and manages circuitry load. Generates engineering documentation to include electrical design documentation, interface design documentation, system sub-system specifications, and hardware design documentation.

Minimum Education: Bachelor's degree

Mid Electrical Engineer

Minimum/General Experience: 2 years

Functional Responsibility: Researches, develops, designs, and tests electrical components, equipment, and systems, applying principles and techniques of electrical engineering. Designs electrical equipment, facilities, components, products, and systems for commercial, industrial, and domestic purposes. Designs and directs engineering personnel in fabrication of test control apparatus and equipment, and determines methods, procedures, and conditions for testing products. Develops applications of controls, instruments, and systems for new commercial, domestic, and industrial uses. Directs activities to ensure that manufacturing, construction, installation, and operational testing conform to functional specifications and customer requirements. May direct and coordinate operation, maintenance, and repair of equipment and systems in field installations. May specialize in specific area of discipline, such as electrical energy generation, transmission, and distribution systems; products, such as appliances, generators, transformers, control devices, and relays; or area of work, such as manufacturing, applications, or installation. May use computer-assisted engineering and design software and equipment to perform engineering tasks. Develops electrical cables, performs electrical throughput tests, ensures proper grounding of circuitry, and manages circuitry load. Generates engineering documentation to include electrical design documentation, interface design documentation, system sub-system specifications, and hardware design documentation.

Minimum Education: Bachelor's degree

Senior Electrical Engineer

Minimum/General Experience: 8 years

Functional Responsibility: Researches, develops, designs, and tests electrical components, equipment, and systems, applying principles and techniques of electrical engineering. Designs electrical equipment, facilities, components, products, and systems for commercial, industrial, and domestic purposes. Designs and directs engineering personnel in fabrication of test control apparatus and equipment, and determines

methods, procedures, and conditions for testing products. Develops applications of controls, instruments, and systems for new commercial, domestic, and industrial uses. Directs activities to ensure that manufacturing, construction, installation, and operational testing conform to functional specifications and customer requirements. May direct and coordinate operation, maintenance, and repair of equipment and systems in field installations. May specialize in specific area of discipline, such as electrical energy generation, transmission, and distribution systems; products, such as appliances, generators, transformers, control devices, and relays; or area of work, such as manufacturing, applications, or installation. May use computer-assisted engineering and design software and equipment to perform engineering tasks. Develops electrical cables, performs electrical throughput tests, ensures proper grounding of circuitry, and manages circuitry load. Generates engineering documentation to include electrical design documentation, interface design documentation, system sub-system specifications, and hardware design documentation.

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Minimum Education: High School Diploma

Junior Database Administrator

Minimum/General Experience: None

Functional Responsibility: Coordinates physical changes to computer databases and codes, tests, and implements physical database, applying best practices and security policies applicable of database management systems. Designs logical and physical databases and reviews changes to database design to understand how changes may affect database performance taking in account physical characteristics, such as location, amount of space, and access methods. Establishes physical database security controls. Calculates optimum values for database parameters, such as amount of computer memory to be used by the database management system, following latest industry best practices and optimization guidelines. Defines user access level for each segment of one or more data items, such as insert, replace, retrieve, or deletion of the data. Defines permissions that specify which users can access databases and what data can be accessed by users. Tests and corrects database read/write errors and refines changes to database as needed. Monitors data base performance, such as distribution of records, read/write through put and amount of system memory and process utilization. Directs database engineers and software

engineers to make changes to database management system. Works with database design engineers to determine impact of database changes as they affect other systems, cost, and schedule for making changes to database. Applies automated database backup mechanisms and configures database replications.

Minimum Education: Bachelor's degree

Mid Database Administrator

Minimum/General Experience: 2 years

Functional Responsibility: Coordinates physical changes to computer databases and codes, tests, and implements physical database, applying best practices and security policies applicable of database management systems. Designs logical and physical databases and reviews changes to database design to understand how changes may affect database performance taking in account physical characteristics, such as location, amount of space, and access methods. Establishes physical database security controls. Calculates optimum values for database parameters, such as amount of computer memory to be used by the database management system, following latest industry best practices and optimization guidelines. Defines user access level for each segment of one or more data items, such as insert, replace, retrieve, or deletion of the data. Defines permissions that specify which users can access databases and what data can be accessed by users. Tests and corrects database read/write errors and refines changes to database as needed. Monitors data base performance, such as distribution of records, read/write through put and amount of system memory and process utilization. Directs database engineers and software engineers to make changes to database management system. Works with database design engineers to determine impact of database changes as they affect other systems, cost, and schedule for making changes to database. Applies automated database backup mechanisms and configures database replications.

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Minimum Education: High School Diploma

Junior Database Engineer

Minimum/General Experience: None

Functional Responsibility: Designs logical and physical databases and coordinates database development as part of project team, applying knowledge of data base design standards and data base management system. Reviews project request describing database user needs. Attends specification meeting with engineering teams to determine scope and limitations of project. Reviews workflow chart developed by computer engineers and software developers to understand tasks computer will perform, such as updating records. Reviews procedures in database management system manuals for making changes to database, such as defining, creating, revising, and controlling database. Revises company definition of data as defined in data dictionary (information about data, including name, description, source of data item, and key words for categorizing and searching for data item descriptions). Determines and enters changes to data dictionary descriptions, including type, structure, and intended use of data within system, using computer or assigns data entry work to software engineers. Develops data models describing data elements and how they are used by the computer applications. Generates database design documentation to enable software engineers to understand how applications should access data, to identify the format of the data, to identify how user accesses data, to identify space requirements, to identify protections methods to critical data elements against unauthorized access and accidental destruction according to computer industry standards and security guidelines specific to database management system.

Minimum Education: Bachelor's degree

Mid Database Engineer

Minimum/General Experience: 2 years

Functional Responsibility: Designs logical and physical databases and coordinates database development as part of project team, applying knowledge of data base design standards and data base management system. Reviews project request describing database user needs. Attends specification

meeting with engineering teams to determine scope and limitations of project. Reviews workflow chart developed by computer engineers and software developers to understand tasks computer will perform, such as updating records. Reviews procedures in database management system manuals for making changes to database, such as defining, creating, revising, and controlling database. Revises company definition of data as defined in data dictionary (information about data, including name, description, source of data item, and key words for categorizing and searching for data item descriptions). Determines and enters changes to data dictionary descriptions, including type, structure, and intended use of data within system, using computer or assigns data entry work to software engineers. Develops data models describing data elements and how they are used by the computer applications. Generates database design documentation to enable software engineers to understand how applications should access data, to identify the format of the data, to identify how user accesses data, to identify space requirements, to identify protections methods to critical data elements against unauthorized access and accidental destruction according to computer industry standards and security guidelines specific to database management system.

Minimum Education: Bachelor's degree

Senior Database Engineer

Minimum/General Experience: 8 years

Functional Responsibility: Designs logical and physical databases and coordinates database development as part of project team, applying knowledge of data base design standards and data base management system. Reviews project request describing database user needs. Attends specification meeting with engineering teams to determine scope and limitations of project. Reviews workflow chart developed by computer engineers and software developers to understand tasks computer will perform, such as updating records. Reviews procedures in database management system manuals for making changes to database, such as defining, creating, revising, and controlling database. Revises company definition of data as defined in data dictionary (information about data, including name, description, source of data item, and key words for categorizing and searching for data item descriptions). Determines and enters changes to data dictionary descriptions, including type, structure, and intended use of data within system, using computer or assigns data entry work to software engineers. Develops data models describing data elements and how they are used by the computer applications. Generates database design documentation to enable software engineers to understand how applications should access data, to identify the format of the data, to identify how user accesses data, to identify space requirements, to identify protections methods to critical data elements against unauthorized access and accidental destruction according to computer industry standards and security guidelines specific to database management system.

Minimum Education: Bachelor's degree

SME Database Engineer

Minimum/General Experience: 0 years

Functional Responsibility: Designs logical and physical databases and coordinates database development as part of project team, applying knowledge of data base design standards and data base management system. Reviews project request describing database user needs. Attends specification meeting with engineering teams to determine scope and limitations of project. Reviews workflow chart developed by computer engineers and software developers to understand tasks computer will perform, such as updating records. Reviews procedures in database management system manuals for making changes to database, such as defining, creating, revising, and controlling database. Revises company definition of data as defined in data dictionary (information about data, including name, description, source of data item, and key words for categorizing and searching for data item descriptions). Determines and

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Minimum Education: High School Diploma

Junior Systems Engineer

Minimum/General Experience: None

Functional Responsibility: Develops system requirements, system architectures, and identify solutions to automate processing or to improve existing computer systems. Confers with personnel of organizational units involved to analyze current operational procedures, identify problems, and learn specific input and output requirements, such as forms of data input, how data is to be summarized, and formats for reports. Writes detailed description of user needs, program functions, and steps required to develop or modify computer programs. Reviews computer system capabilities, workflow, and scheduling limitations to determine if requested program or program change is possible within existing system. Studies existing information processing systems to evaluate effectiveness and develops new systems to improve production or workflow as required. Prepares workflow charts and diagrams to specify in detail operations to be performed by equipment and computer programs and operations to be performed by personnel in system. Conducts studies pertaining to development of new information systems to meet current and projected needs. Plans and prepares technical reports, memoranda, and instructional manuals. Generates engineering documentation to include system sub-system specifications, interface control documents, system design documents, software requirements specifications, and hardware specifications. Assists Software Engineers in resolution of work problems related to flow charts, project specifications, or programming.

Minimum Education: Bachelor's degree

Mid Systems Engineer

Minimum/General Experience: 2 years

Functional Responsibility: Develops system requirements, system architectures, and identify solutions to automate processing or to improve existing computer systems. Confers with personnel of organizational units involved to analyze current operational procedures, identify problems, and learn specific input and output requirements, such as forms of data input, how data is to be summarized, and formats for reports. Writes detailed description of user needs, program functions, and steps required to develop or modify computer programs. Reviews computer system capabilities, workflow, and scheduling limitations to determine if requested program or program change is possible within existing system. Studies existing information processing systems to evaluate effectiveness and develops new systems to improve production or workflow as required. Prepares workflow charts and diagrams to specify in detail operations to be performed by equipment and computer programs and operations to be performed by personnel in system. Conducts studies pertaining to development of new information systems to meet current and projected needs. Plans and prepares technical reports, memoranda, and instructional manuals. Generates engineering documentation to include system sub-system specifications, interface control documents, system design documents, software requirements specifications, and hardware specifications. Assists Software Engineers in resolution of work problems related to flow charts, project specifications, or programming.

Minimum Education: Bachelor's degree

Senior Systems Engineer

Minimum/General Experience: 8 years

Functional Responsibility: Develops system requirements, system architectures, and identify solutions to automate processing or to improve existing computer systems. Confers with personnel of organizational units involved to analyze current operational procedures, identify problems, and learn specific input and output requirements, such as forms of data input, how data is to be summarized, and formats for reports. Writes detailed description of user needs, program functions, and steps required to develop or modify computer programs. Reviews computer system capabilities, workflow, and scheduling limitations to determine if requested program or program change is possible within existing system. Studies existing information processing systems to evaluate effectiveness and develops new systems to improve production or workflow as required. Prepares workflow charts and diagrams to specify in detail operations to be performed by equipment and computer programs and operations to be performed by personnel in system. Conducts studies pertaining to development of new information systems to meet current and projected needs. Plans and prepares technical reports, memoranda, and instructional manuals. Generates engineering documentation to include system sub-system specifications, interface control documents, system design documents, software requirements specifications, and hardware specifications. Assists Software Engineers in resolution of work problems related to flow charts, project specifications, or programming.

Minimum Education: Bachelor's degree

SME Systems Engineer

Minimum/General Experience: None

Functional Responsibility: Develops system requirements, system architectures, and identify solutions to automate processing or to improve existing computer systems. Confers with personnel of organizational units involved to analyze current operational procedures, identify problems, and learn specific input and output requirements, such as forms of data input, how data is to be summarized, and formats for reports. Writes detailed description of user needs, program functions, and steps required to develop or modify computer programs. Reviews computer system capabilities, workflow, and scheduling limitations to determine if requested program or program change is possible within existing system. Studies existing information processing systems to evaluate effectiveness and develops new systems to improve production or workflow as required. Prepares workflow charts and diagrams to specify in detail operations to be performed by equipment and computer programs and operations to be performed by personnel in system. Conducts studies pertaining to development of new information systems to meet current and projected needs. Plans and prepares technical reports, memoranda, and instructional manuals. Generates engineering documentation to include system sub-system specifications, interface control documents, system design documents, software requirements specifications, and hardware specifications. Assists Software Engineers in resolution of work problems related to flow charts, project specifications, or programming.

Minimum Education: High School Diploma

Junior Systems Administrator

Minimum/General Experience: None

Functional Responsibility: Responsible for installing, upgrading and monitoring software and hardware. Maintains computer operating systems, business applications, security tools, web-servers, email, laptop, and desktop PCs. Performs software installations, upgrades, and migrations. Ensures the integrity of

information systems are not compromised by deploying security controls and policies. Manages the creation and management of user accounts, mail accounts, databases, web servers, active directory servers, and print servers. Configures and administers network appliances, storage appliances, disk arrays, tape libraries, and time servers. Creates architecture and network connectivity diagrams. Develops backup plans, develops continuity of operations plans, and develops disaster recovery plans. Generates failure reports, archives logs, and manages certificates.

Minimum Education: Bachelor's degree

Mid Systems Administrator

Minimum/General Experience: 2 years

Functional Responsibility: Responsible for installing, upgrading and monitoring software and hardware. Maintains computer operating systems, business applications, security tools, web-servers, email, laptop, and desktop PCs. Performs software installations, upgrades, and migrations. Ensures the integrity of information systems are not compromised by deploying security controls and policies. Manages the creation and management of user accounts, mail accounts, databases, web servers, active directory servers, and print servers. Configures and administers network appliances, storage appliances, disk arrays, tape libraries, and time servers. Creates architecture and network connectivity diagrams. Develops backup plans, develops continuity of operations plans, and develops disaster recovery plans. Generates failure reports, archives logs, and manages certificates.

Minimum Education: Bachelor's degree

Senior Systems Administrator

Minimum/General Experience: 8 years

Functional Responsibility: Responsible for installing, upgrading and monitoring software and hardware. Maintains computer operating systems, business applications, security tools, web-servers, email, laptop, and desktop PCs. Performs software installations, upgrades, and migrations. Ensures the integrity of information systems are not compromised by deploying security controls and policies. Manages the creation and management of user accounts, mail accounts, databases, web servers, active directory servers, and print servers. Configures and administers network appliances, storage appliances, disk arrays, tape libraries, and time servers. Creates architecture and network connectivity diagrams. Develops backup plans, develops continuity of operations plans, and develops disaster recovery plans. Generates failure reports, archives logs, and manages certificates.

Minimum Education: Bachelor's degree

SME Systems Administrator

Minimum/General Experience: None

Functional Responsibility: Responsible for installing, upgrading and monitoring software and hardware. Maintains computer operating systems, business applications, security tools, web-servers, email, laptop, and desktop PCs. Performs software installations, upgrades, and migrations. Ensures the integrity of information systems are not compromised by deploying security controls and policies. Manages the creation and management of user accounts, mail accounts, databases, web servers, active directory servers, and print servers. Configures and administers network appliances, storage appliances, disk



arrays, tape libraries, and time servers. Creates architecture and network connectivity diagrams. Develops backup plans, develops continuity of operations plans, and develops disaster recovery plans. Generates failure reports, archives logs, and manages certificates.

Minimum Education: High School Diploma

Junior Test Engineer

Minimum/General Experience: None

Functional Responsibility: Designs test cases, develops test execution methodologies, and identifies requirement verification methods. Interacts with the development teams to communicate defects, understand product design and system limitations, develop test cases from unit tests, generates simulations and stimulations, develop test tools, collect and analyze data, and interpret system logs. Automates testing through scripts and automated test tools. Performs fault isolation, troubleshooting, negative testing, performance testing, and endurance testing. Generates test documentation to include test schedules, test descriptions, test case, test plans, and test reports.

Minimum Education: Bachelor's degree

Mid Test Engineer

Minimum/General Experience: 2 years

Functional Responsibility: Designs test cases, develops test execution methodologies, and identifies requirement verification methods. Interacts with the development teams to communicate defects, understand product design and system limitations, develop test cases from unit tests, generates simulations and stimulations, develop test tools, collect and analyze data, and interpret system logs. Automates testing through scripts and automated test tools. Performs fault isolation, troubleshooting, negative testing, performance testing, and endurance testing. Generates test documentation to include test schedules, test descriptions, test case, test plans, and test reports.

Minimum Education: Bachelor's degree

Senior Test Engineer

Minimum/General Experience: 8 years

Functional Responsibility: Designs test cases, develops test execution methodologies, and identifies requirement verification methods. Interacts with the development teams to communicate defects, understand product design and system limitations, develop test cases from unit tests, generates simulations and stimulations, develop test tools, collect and analyze data, and interpret system logs.

Automates testing through scripts and automated test tools. Performs fault isolation, troubleshooting, negative testing, performance testing, and endurance testing. Generates test documentation to include test schedules, test descriptions, test case, test plans, and test reports.

Minimum Education: Bachelor's degree

SME Test Engineer

Minimum/General Experience: None

Functional Responsibility: Designs test cases, develops test execution methodologies, and identifies requirement verification methods. Interacts with the development teams to communicate defects, understand product design and system limitations, develop test cases from unit tests, generates simulations and stimulations, develop test tools, collect and analyze data, and interpret system logs. Automates testing through scripts and automated test tools. Performs fault isolation, troubleshooting, negative testing, performance testing, and endurance testing. Generates test documentation to include test schedules, test descriptions, test case, test plans, and test reports.

Minimum Education: High School Diploma

Junior Quality Engineer

Minimum/General Experience: None

Functional Responsibility: Develops standards, perform inspections, oversees testing, reviews procedures, and maintains high standards of quality for all processes throughout the engineering life-cycle. Reviews quality of all project development items and ensures compliance to all design specifications and requirements. Monitors the configuration management of all engineering activities to ensure adherence to all policies and procedures. Coordinates with all department leads to perform quality audits on engineering processes. Assists organization personnel to ensure knowledge of all quality standards and ensure compliance to all quality manuals and procedures. Analyzes all products for non-conformance and evaluates all documentation to ensure compliance to latest standards. Prepares monthly project control reports and reports results directly to project managers. Identifies corrective actions for all deficiencies and defects.

Minimum Education: Bachelor's degree

Mid Quality Engineer

Minimum/General Experience: 2 years

Functional Responsibility: Develops standards, perform inspections, oversees testing, reviews procedures, and maintains high standards of quality for all processes throughout the engineering life-cycle. Reviews quality of all project development items and ensures compliance to all design specifications and requirements. Monitors the configuration management of all engineering activities to ensure adherence to all policies and procedures. Coordinates with all department leads to perform quality audits on engineering processes. Assists organization personnel to ensure knowledge of all quality standards and ensure compliance to all quality manuals and procedures. Analyzes all products for non-conformance and evaluates all documentation to ensure compliance to latest standards. Prepares monthly project control reports and reports results directly to project managers. Identifies corrective actions for all deficiencies and defects.

Minimum Education: Bachelor's degree

Senior Quality Engineer

Minimum/General Experience: None

Functional Responsibility: Develops standards, perform inspections, oversees testing, reviews procedures, and maintains high standards of quality for all processes throughout the engineering life-cycle. Reviews quality of all project development items and ensures compliance to all design specifications and requirements. Monitors the configuration management of all engineering activities to ensure adherence to all policies and procedures. Coordinates with all department leads to perform quality audits on engineering processes. Assists organization personnel to ensure knowledge of all quality standards and ensure compliance to all quality manuals and procedures. Analyzes all products for non-conformance and evaluates all documentation to ensure compliance to latest standards. Prepares monthly project control reports and reports results directly to project managers. Identifies corrective actions for all deficiencies and defects.

Minimum Education: Bachelor's degree

SME Quality Engineer

Minimum/General Experience: None

Functional Responsibility: Develops standards, perform inspections, oversees testing, reviews procedures, and maintains high standards of quality for all processes throughout the engineering life-cycle. Reviews quality of all project development items and ensures compliance to all design specifications and requirements. Monitors the configuration management of all engineering activities to ensure adherence to all policies and procedures. Coordinates with all department leads to perform quality audits on engineering processes. Assists organization personnel to ensure knowledge of all quality standards and ensure compliance to all quality manuals and procedures. Analyzes all products for non-conformance and evaluates all documentation to ensure compliance to latest standards. Prepares monthly project control reports and reports results directly to project managers. Identifies corrective actions for all deficiencies and defects.

Minimum Education: High School Diploma

LABOR CATEGORY	APPROVED GSA PRICE WITH IFF (per hour)
Junior Software Engineer	\$62.87
Mid Software Engineer	\$79.18
Senior Software Engineer	\$112.97
SME Software Engineer	\$121.72
Junior Network Engineer	\$62.87
Mid Network Engineer	\$79.18
Senior Network Engineer	\$112.97
SME Network Engineer	\$121.72
Junior Web/Cloud Engineer	\$62.87
Mid Web/Cloud Engineer	\$79.18

LABOR CATEGORY	APPROVED GSA PRICE WITH IFF (per hour)
Senior Web/Cloud Engineer	\$112.97
SME Web/Cloud Engineer	\$121.72
Junior Systems Analyst	\$62.87
Mid Systems Analyst	\$79.18
Senior Systems Analyst	\$112.97
SME Systems Analyst	\$121.72
Junior Electrical Engineer	\$62.87
Mid Electrical Engineer	\$79.18
Senior Electrical Engineer	\$112.97
SME Electrical Engineer	\$121.72
Junior Database Administrator	\$62.87
Mid Database Administrator	\$79.18
Senior Database Administrator	\$112.97
SME Database Administrator	\$121.72
Junior Database Engineer	\$62.87
Mid Database Engineer	\$79.18
Senior Database Engineer	\$112.97
SME Database Engineer	\$121.72
Junior Systems Engineer	\$62.87
Mid Systems Engineer	\$79.18
Senior Systems Engineer	\$112.97
SME Systems Engineer	\$121.72
Junior Systems Administrator	\$62.87
Mid Systems Administrator	\$79.18
Senior Systems Administrator	\$112.97
SME Systems Administrator	\$121.72
Junior Cyber Security Engineer	\$62.87
Mid Cyber Security Engineer	\$79.18
Senior Cyber Security Engineer	\$112.97
SME Cyber Security Engineer	\$121.72
Junior Test Engineer	\$62.87
Mid Test Engineer	\$79.18
Senior Test Engineer	\$112.97
SME Test Engineer	\$121.72
Junior Quality Engineer	\$62.87
Mid Quality Engineer	\$79.18
Senior Quality Engineer	\$112.97
SME Quality Engineer	\$121.72



**INFORMATION TECHNOLOGY CATEGORY
IT SERVICES SUBCATEGORY
SPECIAL ITEM NUMBER 54151S
INFORMATION TECHNOLOGY PROFESSIONAL SERVICES**

All services shall be billed in arrears in accordance with 31 U.S.C. 3324.

**MISCELLANEOUS CATEGORY
COMPLEMENTARY SINs SUBCATEGORY
SPECIAL ITEM NUMBER OLM
ORDER-LEVEL MATERIALS**

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 | 30) IT Solutions |
| 2) Audio Visual Products | 31) IT Training |
| 3) Audio Visual Services | 32) Language Services |
| 4) Awards | 33) Legal Services |
| 5) Background Investigations | 34) Logistical Services |
| 6) Business Administrative Services | 35) Machinery and Components |
| 7) Compensation and Benefits | 36) Mail Management |
| 8) Document Services | 37) Marine and Harbor |
| 9) Electronic Commerce | 38) Marketing and Public Relations |
| 10) Environmental Services | 39) Medical Equipment |
| 11) Facilities Maintenance and Repair | 40) Miscellaneous Furniture |
| 12) Facilities Services | 41) Musical Instruments |
| 13) Facilities Solutions | 42) Office Furniture |
| 14) Financial Services | 43) Office Management Maintenance and Repair |
| 15) Fire/Rescue/Safety/Environmental Protection Equipment | 44) Office Services |
| 16) Fitness Solutions. | 45) Packaged Furniture. |
| 17) Flags | 46) Printing and Photographic Equipment |
| 18) Flooring | 47) Protective Equipment |
| 19) Fuel Management | 48) Records Management |
| 20) Furniture Services | 49) Search and Navigation |
| 21) Healthcare Furniture | 50) Security Animals and Related Services |
| 22) Household, Dormitory & Quarters Furniture | 51) Security Services |
| 23) Human Resources | 52) Security Systems |
| 24) Identity Protection Services | 53) Signs |
| 25) Industrial Products | 54) Social Services |
| 26) Industrial Products and Services Maintenance and Repair | 55) Structures |
| 27) IT Hardware | 56) Technical and Engineering Services (non- IT) |
| 28) IT Services | 57) Telecommunications |
| 29) IT Software | 58) Testing Equipment |
| | 59) Training |

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