

GSA MULTIPLE AWARD SCHEDULE

(Formerly GSA IT SCHEDULE 70)

GS 35F-0147U

The logo for Onyx, featuring the word "onyx" in a bold, italicized, sans-serif font. The letter "o" is red, and the letters "nyx" are dark grey. A red diagonal slash is positioned at the end of the "x".

**GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE
AUTHORIZED FEDERAL SUPPLY SCHEDULE PRICE LIST**

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

Multiple Award Schedule

Special Item Number 54151S Information Technology Professional Services

FPDS Code D302	IT Systems Development Services
FPDS Code D306	IT Systems Analysis Services
FPDS Code D307	Automated Information Systems Design and Integration Services
FPDS Code D308	Programming Services
FPDS Code D316	IT Network Management Services
FPDS Code D399	Other Information Technology Services, Not Elsewhere Classified

Contract Number: GS 35F-0147U

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

Contract Option Period 2: December 15, 2017 through December 14, 2022

Final Option Period 3: December 15, 2022 through December 14, 2027

Contractor Name: Onyx Government Services, LLC

Contractor Address: 5870 Trinity Parkway, Suite 330
Centreville, VA 20120

Phone: 571-340-3900

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Contractor Website: www.onyxgs.com

Contractor Business Size: Service-Disabled Veteran Owned Small Business (SDVOSB)

Last Revision: 7/30/2020

In Reference to Modification PS-A812 signed 2/6/2020

CUSTOMER INFORMATION

1a. Special Item Numbers (SIN)

SIN: 54151S – Formerly 132-51 (see page for awarded pricing)	
FPDS Code D302	IT Systems Development Services
FPDS Code D302	IT Systems Analysis Services
FPDS Code D307	Automated Information Systems Design and Integration Services
FPDS Code D308	Programming Services
FPDS Code D316	IT Network Management Services
FPDS Code D399	Other Information Technology Services, Not Elsewhere Classified
SIN: OLM (Formerly 70-500)	
Order Level Materials (OLM) Defined at the Order Level	

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

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

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

1b.

Labor Skill Category	Rate
Administrative Support Level II	\$43.35
Administrative Support Level III	\$57.42
Administrative Support Level IV	\$63.71
Computer Systems Security Engineer Level II	\$109.10
Computer Systems Security Specialist Level I	\$59.86
Computer Systems Security Specialist Level III	\$135.94
Computer Technician Level I	\$42.78
Computer Technician Level II	\$63.17

Labor Skill Category	Rate
Computer Technician Level III	\$75.84
Computer Technician Level IV	\$87.90
Functional Area Analyst Level I	\$88.82
Functional Area Analyst Level II	\$104.68
Functional Area Analyst Level III	\$155.04
Information Engineer Level I	\$57.42
Information Engineer Level II	\$88.43
Information Engineer Level III	\$114.85
Information Engineer Level IV	\$117.76
IT Tester Level I	\$58.88
IT Tester Level II	\$66.41
IT Tester Level III	\$87.59
IT Tester Level IV	\$109.42
Open Systems Engineer Level I	\$111.36
Open Systems Engineer Level II	\$129.29
Open Systems Engineer Level III	\$157.34
Open Systems Engineer Level IV	\$172.27
Principle Software Integrator	\$128.35
Principle Systems Architect	\$223.95
Program Manager	\$160.78
Project Manager	\$142.88
Senior Software Integrator	\$126.33
Senior Systems Architect	\$172.27
Senior Systems Architect Level III	\$217.06
Software Developer Level I	\$92.40
Software Developer Level II	\$116.09
Software Developer Level III	\$152.96
Software Developer Level IV	\$171.39
Software Engineer Level I	\$55.12
Software Engineer Level II	\$80.39
Software Engineer Level III	\$155.04
Software Engineer Level IV	\$155.92
Software Integrator	\$103.36
Sr. Program Manager	\$177.99
Sr. Project Manager	\$162.97
Sr. Technical Project Manager	\$137.03
Systems Administrator Level I	\$71.24
Systems Administrator Level II	\$115.33
Systems Administrator Level III	\$137.82
Systems Administrator Level IV	\$141.05
Systems Analyst Level I	\$61.05
Systems Analyst Level II	\$89.58
Systems Analyst Level III	\$114.85
Systems Analyst Level IV	\$124.59
Systems Architect	\$149.30
Systems Engineer Level I	\$53.58
Systems Engineer Level II	\$80.39
Systems Engineer Level III	\$110.69

Labor Skill Category	Rate
Systems Engineer Level IV	\$129.53
Technical Project Manager	\$113.08
Technical Writer Level I	\$45.60
Technical Writer Level II	\$74.65

1c. COMMERCIAL JOB TITLES, EXPERIENCE, FUNCTIONAL RESPONSIBILITY AND EDUCATION

Commercial Job Title: Principle Systems Architect

Minimum/General Experience: Shall have at least 8 years of software engineering or related experience, with 4 years of experience with large-scale systems in software design and/or development. Shall be knowledgeable in the implementation and application of industry and DoD standard testing techniques. Shall have demonstrated the ability to apply DoD standards for quality assurance, quality control, and independent verification and validation techniques. Shall have knowledge in the application of computer-assisted software engineering techniques. Shall have experience in the supervision of activities involving 30 or more people and be able to manage multiple teams working in separate offices and locations.

Functional Responsibility: Principle Systems Architect provides support for:

- Project Management
- Organizes, directs, and coordinates planning and production of all project support activities.
- Communicates with all levels of Government management personnel, other contract personnel, and customer agency representatives.

Minimum Experience: At least thirteen (13) years

Minimum Education: Master's Degree (Computer Science, Operations Research, Engineering, Mathematics, Business Administration, or related discipline) or a Bachelor's degree with fifteen (15) years of experience or Associates Degree with nineteen (19) years experience or High School education with twenty two (22) years experience.

Commercial Job Title: Senior Systems Architect Level III

Minimum/General Experience: Shall have extensive experience in designing, enabling and maintaining mission critical systems; along with hands-on experience in all phases of development, database design, capacity planning, performance forecasting and system tuning. Senior Systems Architects are involved early in the Client/Server development process to formulate project and implementation plans, and will periodically review, assess, and make midcourse recommendations in the implementation of Client/Server architecture. Senior Systems Architects will typically lead Client/Server development efforts.

Functional Responsibility: Senior Systems Architect provides engineering support for:

- Client/Server Architecture Design and Development
- Logical Database Design
- Physical Database Design
- Complete System Life Cycle Support
- Performance and Tuning

Minimum Experience: At least twelve (12) years

Minimum Education: Master's Degree (Computer Science, Operations Research, Engineering, Mathematics, Business Administration, or related discipline) or a Bachelor's degree with fourteen (14) years of experience or Associates Degree with eighteen (18) years experience or High School education with twenty one (21) years experience.

Commercial Job Title: Senior Systems Architect

Minimum/General Experience: Shall have extensive experience in designing, enabling and maintaining mission critical systems; along with hands-on experience in all phases of development, database design, capacity planning, performance forecasting and system tuning. Senior Systems Architects are involved early in the Client/Server development process to formulate project and implementation plans, and will periodically review, assess, and make midcourse recommendations in the implementation of Client/Server architecture. Senior Systems Architects will typically lead Client/Server development efforts.

Functional Responsibility: Senior Systems Architect provides engineering support for:

- Client/Server Architecture Design and Development
- Logical Database Design
- Physical Database Design
- Complete System Life Cycle Support
- Performance and Tuning

Minimum Experience: At least ten (10) years

Minimum Education: Master's Degree (Computer Science, Operations Research, Engineering, Mathematics, Business Administration, or related discipline) or a Bachelor's degree with twelve (12) years of experience or Associates Degree with sixteen (16) years experience or High School education with nineteen (19) years experience.

Commercial Job Title: System Architect

Minimum/General Experience: Shall perform database design through logical and physical requirements. Senior Consultants identify and apply appropriate tools and

techniques in support of the system development life cycle. System Architects are involved in the full software life cycle development process, working with the customer on a day to day basis in the full implementation of Client/Server architecture to meet the system requirements.

Functional Responsibility: System Architects provide engineering support for:

- Physical Database Design, Configuration, and Implementation
- Software Design and Development
- Client/Server Life Cycle Support
- Performance and Tuning

Minimum Experience: At least seven (7) years

Minimum Education: Master's Degree (Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.) or a Bachelor's degree with nine (9) years of experience or Associates Degree with thirteen (13) years experience or High School education with sixteen (16) years experience.

Commercial Job Title: Senior Software Integrator

Minimum/General Experience: Senior Software Integrator carry out technical assignments requiring detailed knowledge of COTS/GOTS products Senior Software Integrators serve as programmers, detailed designers, database administrators, or systems administrators. Senior Software Integrators concentrate on the implementation of the Client/Server model following the preliminary design efforts of the Principal Systems Architect and Senior Systems Architects.

Functional Responsibility: Senior Software Integrator provide engineering support for:

- Database Implementation
- Software Development
- Software Implementation support of the latter phases of Client/Server life Cycle

Minimum Experience: At least four (4) years

Minimum Education: Master's Degree (Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.) or a Bachelor's degree with six (6) years of experience or Associates Degree with ten (10) years experience or High School education with thirteen (13) years experience.

Commercial Job Title: Software Integrator

Minimum/General Experience: Software Integrator are experienced in one of the following engineering disciplines: systems engineering, systems integration, software engineering, information engineering, network engineering, data quality engineering, or other relevant engineering disciplines.

Functional Responsibility: Software Integrator provide support for:

- Systems and Network Administration.
- Tests, debugs, and refines computer software.
- Prepares required documentation.
- Enhances software to reduce operating time or improved performance efficiency.
- Develops computer software to specifications.
- Software Implementation support of the latter phases of Client/Server life Cycle.

Minimum Experience: At least two (2) years

Minimum Education: Master's Degree (Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.) or a Bachelor's degree with four (4) years of experience or Associates Degree with eight (8) years experience or High School education with eleven (11) years experience.

Commercial Job Title: Administrative Support – Level III

Minimum/General Experience: Provides administrative-type support to project staff. This includes, but is not limited to, documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, etc.

Functional Responsibility: Specializes in coordinating and planning office administration and support. Reports directly to a client, usually at the client location, to support its operations as required. Understands and provides documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, etc. required in changing office environments. May perform other duties as assigned.

Minimum Experience: At least zero (0) years

Minimum Education: Bachelor's degree in Administration/ office automation or Associates Degree with one (1) year applicable experience, or High School education with three (3) years experience.

Commercial Job Title: Computer Security Systems Engineer – Level II

Minimum/General Experience: This position requires experience in defining computer security requirements for high-level applications, evaluation of approved security product capabilities, and resolution of computer security problems.

Functional Responsibility: Analyzes and defines security requirements. Designs, develops, engineers, and implements solutions for security computer requirements. Gathers and organizes technical information about an organization's mission goals and

needs, existing security products, and ongoing programs in the computer security area. Performs risk analyses, which also includes risk assessment. Provides daily supervision and direction to staff.

Minimum Experience: At least six (6) years

Minimum Education: Master's Degree with general experience in related fields or a Bachelor's degree with eight (8) years of experience or Associates Degree with twelve (12) years experience or High School education with fifteen (15) years experience.

Commercial Job Title: Functional Area Analyst – Level III

Minimum/General Experience: This experience must include extensive operational command or staff experience in Joint Military operations (Joint Task Force Headquarters etc.) or on a Theater CINC/Joint Command staff. Graduation from a military, mid-level service school (Army C&GS, Naval War College, Air Command Staff College, etc.) is required. Graduation from a military, senior level service school (Army War College, National War College etc.) is preferred. Highly desirable is experience in the integration of one of the functional areas above with the Combat/Combat Support and Combat Service Support systems of the military services as they apply to military operations.

Functional Responsibility: Provides professional expertise in national defense functional disciplines or areas with a particular focus on military Command, Control, and Intelligence (C3I) and combat support; interoperability of military tactical and fixed plant communications and information systems; DOD human resources; medical; Reserve Components; finance; procurement; material and depot management. Analyzes information systems requirements and rationalizes existing processes to achieve maximum interoperability, efficiency and efficacy among DOD C3I, Communications, and Combat/Combat Support and Combat Service Support systems as they apply to military operations. Assists in the development of new processes and doctrine for Joint and combined military operations.

Minimum Experience: At least ten (10) years

Minimum Education: Master's Degree with experience in management and operational direction of DOD Command, Control Communications and Intelligence systems (C3I), C2 systems, information systems management, telecommunications/IS operations, computer science, electrical engineering, or National Defense Policy or a Bachelor's degree with fifteen (15) years of experience or Associates Degree with eighteen (18) years experience or High School education with twenty (20) years experience.

Commercial Job Title: Information Engineer – Level I

Minimum/General Experience: Experience is also required in information systems development, functional and data requirements analysis, systems analysis and design, programming, program design, and documentation preparation.

Functional Responsibility: Applies an organization-wide set of disciplines for the planning, analysis, design, and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise. Performs enterprise strategic systems planning, enterprise information planning, and business area analysis. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated (Integrated Computer-Aided Software Engineering (ICASE)) tools. Applies reverse engineering and re-engineering disciplines to develop migration strategies and planning documents.

Minimum Experience: At least one (1) year

Minimum Education: Master's Degree in a scientific field or business Administration field with experience in information systems or a Bachelor's degree with three (3) years of experience or Associates Degree with seven (7) years experience or High School education with ten (10) years experience.

Commercial Job Title: Information Engineer – Level II

Minimum/General Experience: Experience is also required in information systems development, functional and data requirements analysis, systems analysis and design, programming, program design and documentation preparation.

Functional Responsibility: Applies an organization-wide set of disciplines for the planning, analysis, design, and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise. Performs enterprise strategic systems planning, enterprise information planning, and business area analysis. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated (Integrated Computer-Aided Software Engineering (ICASE)) tools. Applies reverse engineering and re-engineering disciplines to develop migration strategies and planning documents.

Minimum Experience: At least three (3) years

Minimum Education: Master's Degree in a scientific field or information systems/system engineering related area and experience in the information systems/software engineering field or a Bachelor's degree with seven (7) years of experience or Associates Degree with eleven (11) years experience or High School education with fourteen (14) years experience.

Commercial Job Title: Information Engineer – Level III

Minimum/General Experience: Experience is also required in information systems development, functional and data requirements analysis, systems analysis and design, programming, program design, and documentation preparation.

Functional Responsibility: Applies an organization-wide set of disciplines for the planning, analysis, design, and construction of information systems on an enterprise-wide

basis or across a major sector of the enterprise. Performs enterprise strategic systems planning, enterprise information planning, and business area analysis. Performs process and data modeling in support of the planning and analysis efforts using both manual and automated (Integrated Computer-Aided Software Engineering (ICASE)) tools. Applies reverse engineering and re-engineering disciplines to develop migration strategies and planning documents.

Minimum Experience: At least eight (8) years

Minimum Education: Master's Degree in a scientific field or information systems/system engineering related area and experience in the information systems/software engineering field or a Bachelor's degree with ten (10) years of experience or Associates Degree with fourteen (14) years experience or High School education with seventeen (17) years experience.

Commercial Job Title: Open Systems Engineer – Level III

Minimum/General Experience: Experienced with and familiar with current research and/or standards in at least two of the following technology/standards areas: POSIX, GOSIP, GUI, Ada/4GL, CASE, object oriented technologies, RDBMS, IRDS (FIPS PUB 156), CALS/EDI, DCE, simulation and modeling, automated systems security, software metrics/system effectiveness measures/tools, multimedia, on-line transaction processing (OLTP), and distributed computing.

Functional Responsibility: Applies software, hardware, and standards information technology skills in the analysis, specification, development, integration, and acquisition of open systems for Information Processing (IP) applications. Familiar with standards-based open systems architectures, reference models, and profiles of standards (such as the IEEE POSIX Open Systems Environment (OSE) reference model) as they apply to the implementation and specification of IP solutions on the application platform, across the Application Program Interface (API), and to the external environment/software application. Performs professional engineering assignments in support systems engineering efforts in one or more of the following disciplines: communications engineering, communications security, network analysis, interoperability analysis, system standards, program analysis, program planning, cost analysis. Knowledgeable of COTS products and methods that can be acquired to provide interoperable, portable, and scalable information technology solutions. Performs analysis and validation of reusable software/hardware components to ensure the integration of these components into interoperable IP designs. Designs and maintains message format and symbology databases which provide real time updates to fielded systems.

Minimum Experience: At least five (5) years

Minimum Education: Master's Degree in a scientific field or information systems/system engineering related area and experience in the information systems/software engineering field or a Bachelor's degree with seven (7) years of experience or Associates Degree with eleven (11) years experience or High School education with fourteen (14) years experience.

Commercial Job Title: Open Systems Engineer – Level IV

Minimum/General Experience: Experienced with and familiar with current research and/or standards in at least two of the following technology/standards areas: POSIX, GOSIP, GUI, Ada/4GL, CASE, object oriented technologies, RDBMS, IRDS (FIPS PUB 156), CALS/EDI, DCE, simulation and modeling, automated systems security, software metrics/system effectiveness measures/tools, multimedia, on-line transaction processing (OLTP), and distributed computing.

Functional Responsibility: Applies software, hardware, and standards information technology skills in the analysis, specification, development, integration and acquisition of open systems for Information Processing (IP) applications. Familiar with standards-based open systems architectures, reference models, and profiles of standards (such as the IEEE POSIX Open Systems Environment (OSE) reference model) as they apply to the implementation and specification of IP solutions on the application platform, across the Application Program Interface (API), and to the external environment/software application. Performs professional engineering assignments in support systems engineering efforts in one or more of the following disciplines: communications engineering, communications security, network analysis, interoperability analysis, system standards, program analysis, program planning, cost analysis. Knowledgeable of COTS products and methods that can be acquired to provide interoperable, portable, and scalable information technology solutions. Performs analysis and validation of reusable software/hardware components to ensure the integration of these components into interoperable IP designs. Designs and maintains message format and symbology databases which provide real time updates to fielded systems.

Minimum Experience: At least eight (8) years

Minimum Education: Master's Degree in a scientific field or information systems/system engineering related area and experience in the information systems/software engineering field or a Bachelor's degree with ten (10) years of experience or Associates Degree with fourteen (14) years experience or High School education with seventeen (17) years experience. A Ph.D. may be substituted for five (5) years experience for a total of three (3) years of related experience.

Commercial Job Title: Program Manager

Minimum/General Experience: Planning and directing technological improvements and project management implementation. Manage a diverse group of functional activities, subordinate groups of technical and administrative personnel.

Functional Responsibility: Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items.

Operates within client guidance, contractual limitations, and Company business and policy directives. Serves as focal point-of-contact with client regarding program activities. Ensures that all required resources including manpower, production standards, computer time, and facilities are available for program implementation. Manages program consisting of multiple projects including project identification, design, development, and delivery. Maintains the development and execution of business opportunities based on broad, general guidance. Confers with project manager to provide technical advice and to assist with problem resolution. May perform other duties as assigned.

Minimum Experience: At least eight (8) years

Minimum Education: Master's Degree with general experience in management principles or a Bachelor's degree with ten (10) years of experience or Associates Degree with fourteen (14) years experience or High School education with seventeen (17) years experience.

Commercial Job Title: Software Engineer – Level II

Minimum/General Experience: Applies technical skills in the area of software development, software configuration, application layer design and development, inter-process and system level communications protocol development and implementation. Good written and oral communications skills. Strong analytical and problem solving skills and abilities.

Functional Responsibilities: Develops standards-compliant software utilizing industry-leading operating systems, languages, protocols and databases. Knowledge of the design, operational use, and functional characteristics of standards-compliant (e.g. CALS or GOSIP) systems. Performs feasibility analysis, design, code, test, and integration of features that are specified by detailed system requirements. Makes use of commercially available or custom Computer Aided Software Engineering (CASE) tools as required. Utilizes various methodologies, e.g., IDEF 0 process modeling and IDEF 1X data modeling.

Minimum Experience: At least three (3) years

Minimum Education: Master's Degree with related experience in the field or a Bachelor's degree with five (5) years of experience or Associates Degree with nine (9) years experience or High School education with thirteen (13) years experience.

Commercial Job Title: Software Engineer – Level III

Minimum/General Experience: Leads and mentors engineering staff in the area of software development, software configuration, application layer design and development, inter-process and system level communications protocol development and implementation. Excellent written and oral communications skills. Strong analytical and problem solving skills and abilities. Experienced with large-scale system design and implementation.

Functional Responsibility: Leads development efforts of standards-compliant software utilizing industry-leading operating systems, languages, protocols, and databases. In-depth knowledge of the design, operational use, and functional characteristics of standards-compliant (e.g. CALS or GOSIP) systems. Evaluates and recommends tools/methodology best suited for projects, and uses needed technologies and processes in deployment and operation of databases, data warehouses, and data distribution functions. Architects and selects appropriate COTS products and development tools to meet project needs. Ability to integrate database applications into enterprise networks and optimize/distribute network and server loads.

Minimum Experience: At least six (6) years

Minimum Education: Master's Degree with related experience in the field or a Bachelor's degree with eight (8) years of experience or Associates Degree with eleven (11) years experience or High School education with fourteen (14) years experience.

Commercial Job Title: Systems Administrator – Level III

Minimum/General Experience: Performs operating system installation and configuration, configures mail and printing systems, installs and configures third-party software.

Functional Responsibility: Evaluates, designs, and maintains local area network (LAN), data network, and telecommunications systems. Troubleshoots LAN, data and voice network problems. Administers departmental LAN or shared software and hardware. Sets up user accounts on company's servers and runs necessary system backups. Provides technical support for PCs and LAN network. Performs limited programming. Assigns extensions and voice mail numbers; maintains directory of telephone and fax numbers. Operates under minimal supervision.

Minimum Experience: At least four (4) years

Minimum Education: Master's Degree with related experience in the field or a Bachelor's degree with six (6) years of experience or Associates Degree with ten (10) years experience or High School education with thirteen (13) years experience.

Commercial Job Title: Systems Analyst – Level II

Minimum/General Experience: Advanced professional military education in one of the primary functional areas above is highly desirable.

Functional Responsibility: Applies process improvement and re-engineering methodologies/principles to conduct process modernization projects. Develops functional area process and data models for use in designing and building integrated, shared software and database management systems. Experienced in engineering systems using incremental development, joint application development, rapid prototyping, and CASE technology concepts and techniques.

Minimum Experience: At least one (1) year

Minimum Education: Master's Degree and experience in the functional areas of Human Resources, Medical, Reserve Components, Finance, Procurement, Material Management or C3I or a Bachelor's degree with two (2) years of experience or Associates Degree with six (6) years experience or High School education with nine (9) years experience.

Commercial Job Title: Systems Analyst – Level III

Minimum/General Experience: Advanced professional military education in one of the primary functional areas above is highly desirable.

Functional Responsibility: Applies process improvement and re-engineering methodologies/principles to conduct process modernization projects. Develops functional area process and data models for use in designing and building integrated, shared software and database management systems. Experienced in engineering systems using incremental development, joint application development, rapid prototyping, and CASE technology concepts and techniques.

Minimum Experience: At least five (5) years

Minimum Education: Master's Degree and experience in the functional areas of Human Resources, Medical, Reserve Components, Finance, Procurement, Material Management or C3I or a Bachelor's degree with seven (7) years of experience or Associates Degree with eleven (11) years experience or High School education with fourteen (14) years experience. A Ph.D. degree may be substituted for two (2) years of experience for a total of three (3) years experience.

Commercial Job Title: Systems Engineer – Level II

Minimum/General Experience: Assists in the identification of opportunities for the effective application of computer technologies. Assists in the development of an integrated computer technologies applications plan for the business. Develops appropriate project benefits analyses and secures user and management approval for implementation of the plan.

Functional Responsibility: Assists in the implementation of approved projects. Develops and documents the appropriate standards for the application of computer technologies in Engineering. Participates in the development of procedures and documentation required to support the needs of end users. Develop and/or support adequate measurement and reporting systems to appraise the efficiency of mechanized applications, their cost/benefit and impact on product cycle times. Assist in the selection, evaluation, implementation and operation of all computer hardware and application software used to provide computer aided "tools" and processes to the Engineering function. Create software and macros required to effectively implement approved projects.

Minimum Experience: At least one (1) year

Minimum Education: Master's Degree with general experience or a Bachelor's degree with three (3) years of experience or Associates Degree with seven (7) years experience or High School education with ten (10) years experience.

Commercial Job Title: Technical Writer – Level II

Minimum/General Experience: Assists in collecting and organizing information required for the preparation of user's manuals, training materials, installation guides, proposals, and other reports and deliverables.

Functional Responsibility: Writes functional descriptions, system specifications, user's manuals, special reports, or any other customer deliverables and documents.

Minimum Experience: At least zero (0) years

Minimum Education: Master's Degree with general experience in the field or a Bachelor's degree with two (2) years of experience or Associates Degree with six (6) years experience or High School education with nine (9) years experience.

Commercial Job Title: Administrative Support – Level II

Minimum/General Experience: Provides administrative-type support to project staff. This includes, but is not limited to, documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, etc.

Functional Responsibility: Specializes in coordinating and planning office administration and support. Reports directly to a client, usually at the client location, to support its operations as required. Understands and provides documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, etc. required in changing office environments. May perform other duties as assigned.

Minimum Experience: At least zero (0) years

Minimum Education: Associates Degree with zero (0) year applicable experience, or High School education with two (2) years' experience.

Commercial Job Title: Administrative Support – Level IV

Minimum/General Experience: Provides administrative-type support to project staff. This includes, but is not limited to, documentation planning and support, project administration, general office support, executive secretarial support, human resource planning, event planning and administration, office relocation planning, etc.

Functional Responsibility: Specializes in coordinating and planning office administration and support. Reports directly to a client, usually at the client location, to support its operations as required. Understands and provides documentation planning and support, project administration, general office support, executive secretarial support,

human resource planning, event planning and administration, office relocation planning, etc. required in changing office environments. May perform other duties as assigned.

Minimum Experience: At least two (2) years

Minimum Education: Bachelor's degree in Administration/ office automation with two (2) years' experience or Associates Degree with four (4) year applicable experience, or High School education with five (6) years' experience.

Commercial Job Title: Computer Technician Level I

Minimum/General Experience: Performs testing, troubleshooting, aligning, and adjusting of complete electronic and computer systems, equipment, or components. Knowledgeable of electronic theory and practice, the use of schematic diagrams and test procedures, the operation of complex test equipment, and development of prototype circuits and components

Functional Responsibility: Performs entry level professional technical engineering tasks under the supervision of the Senior Engineer.

Minimum Experience: At least zero (0) years

Minimum Education: Associates Degree or two (2) year Technical School with applicable experience, or High School education with three (3) years' experience.

Commercial Job Title: Computer Technician Level II

Minimum/General Experience: Performs testing, troubleshooting, aligning, and adjusting of complete electronic and computer systems, equipment, or components. Knowledgeable of electronic theory and practice, the use of schematic diagrams and test procedures, the operation of complex test equipment, and development of prototype circuits and components

Functional Responsibility: Performs entry to mid-level professional technical engineering tasks under the supervision of the Senior Engineer.

Minimum Experience: At least one (1) years

Minimum Education: Bachelor's degree with one (1) year of experience or Associates Degree or two (2) year Technical School with applicable experience, or High School education with five (5) years' experience.

Commercial Job Title: Computer Technician Level III

Minimum/General Experience: Performs testing, troubleshooting, aligning, and adjusting of complete electronic and computer systems, equipment, or components. Knowledgeable of electronic theory and practice, the use of schematic diagrams and test procedures, the operation of complex test equipment, and development of prototype circuits and components

Functional Responsibility: Performs mid to senior level professional technical engineering tasks under the supervision of the Senior Engineer.

Minimum Experience: At least two (2) years

Minimum Education: Bachelor's degree with two (2) years of experience or Associates Degree or two (2) year Technical School with three (3) years' experience, or High School education with six (6) years' experience.

Commercial Job Title: Computer Technician Level IV

Minimum/General Experience: Performs testing, troubleshooting, aligning, and adjusting of complete electronic and computer systems, equipment, or components. Knowledgeable of electronic theory and practice, the use of schematic diagrams and test procedures, the operation of complex test equipment, and development of prototype circuits and components

Functional Responsibility: Performs senior-level professional technical engineering tasks under the supervision of the Senior Engineer.

Minimum Experience: At least three (3) years

Minimum Education: Bachelor's degree with three (3) years of experience or Associates Degree or two (2) year Technical School with four (4) years' experience, or High School education with seven (7) years' experience.

Commercial Job Title: Functional Area Analyst – Level I

Minimum/General Experience: This experience must include staff experience in military or civilian government operations. Highly desirable is experience in the integration of one of the functional areas of Information technology, law enforcement support, or military operations.

Functional Responsibility: Provides support in functional disciplines or areas with a particular focus on Operations, Command, Control, and Intelligence (C3I) and combat support; interoperability of tactical and fixed plant communications and information systems; DOD human resources; medical; Reserve Components; finance; procurement; material and depot management. Analyzes information systems requirements and rationalizes existing processes to achieve maximum interoperability, efficiency and efficacy among DOD C3I, Communications, and Combat/Combat Support and Combat Service Support systems as they apply to military operations. Assists in the development of new processes and doctrine for Civilian or Joint and combined military operations.

Minimum Experience: At least two (2) years

Minimum Education: Bachelor's Degree with two (2) years' experience in management and operational direction of DOD Command, Control Communications and Intelligence systems (C3I), C2 systems, information systems management, telecommunications/IS operations, computer science, electrical engineering, or National Defense Policy or Associates Degree with four (4) years' experience or High School education with six (6) years' experience.

Commercial Job Title: Functional Area Analyst – Level II

Minimum/General Experience: This experience must include operational command or staff experience in military or civilian government operations. Highly desirable is experience in the integration of one of the functional areas of Information technology, law enforcement support, or military operations.

Functional Responsibility: Provides professional expertise in functional disciplines or areas with a particular focus on Operations, Command, Control, and Intelligence (C3I) and combat support; interoperability of tactical and fixed plant communications and information systems; DOD human resources; medical; Reserve Components; finance; procurement; material and depot management. Analyzes information systems requirements and rationalizes existing processes to achieve maximum interoperability, efficiency and efficacy among DOD C3I, Communications, and Combat/Combat Support and Combat Service Support systems as they apply to military operations. Assists in the development of new processes and doctrine for Civilian or Joint and combined military operations.

Minimum Experience: At least two (2) years

Minimum Education: Master's Degree with two (2) years' experience in management and operational direction of DOD Command, Control Communications and Intelligence systems (C3I), C2 systems, information systems management, telecommunications/IS operations, computer science, electrical engineering, or National Defense Policy or Bachelor's degree with five (5) years of experience or Associates Degree with seven (7) years' experience or High School education with ten (10) years' experience.

Commercial Job Title: Technical Writer – Level I

Minimum/General Experience: Assists in collecting and organizing information required for the preparation of user's manuals, training materials, installation guides, proposals, and other reports and deliverables.

Functional Responsibility: Writes functional descriptions, system specifications, user's manuals, special reports, or any other customer deliverables and documents.

Minimum Experience: At least zero (0) years

Minimum Education: Bachelor's degree or Associates Degree with three (3) years' experience or High School education with six (6) years' experience.

Commercial Job Title: Information Engineer – Level IV

Minimum/General Experience: Experience is also required in information systems development, functional and data requirements analysis, systems analysis and design, programming, program design, and documentation preparation.

Functional Responsibility: Applies an organization-wide set of disciplines for the planning, analysis, design, and construction of information systems on an enterprise-wide basis or across a major sector of the enterprise. Performs enterprise strategic systems planning, enterprise information planning, and business area analysis. Performs process

and data modeling in support of the planning and analysis efforts using both manual and automated (Integrated Computer-Aided Software Engineering (ICASE)) tools. Applies reverse engineering and re-engineering disciplines to develop migration strategies and planning documents.

Minimum Experience: At least nine (9) years

Minimum Education: Master's Degree in a scientific field or information systems/system engineering related area and nine (9) years' experience in the information systems/software engineering field or a Bachelor's degree with eleven (11) years of experience or Associates Degree with fifteen (15) years' experience or High School education with nineteen (19) years' experience.

Commercial Job Title: Open Systems Engineer – Level I

Minimum/General Experience: Familiar with current research and/or standards in at least two of the following technology/standards areas: Cloud Computing, Hadoop, Cloudera, PIG, Hive, GUI, Agile, object oriented technologies, RDBMS, data integration, simulation and modeling, automated systems security, software metrics/system effectiveness measures/tools, multimedia, on-line transaction processing (OLTP), and distributed computing.

Functional Responsibility: Applies software, hardware, and standards information technology skills in the analysis, specification, development, integration, and acquisition of open systems for Information Processing (IP) applications. Familiar with standards-based open systems architectures, reference models, and profiles of standards as they apply to the implementation and specification of IP solutions on the application platform, across the Application Program Interface (API), and to the external environment/software application. Performs assignments in support systems engineering efforts in one or more of the following disciplines: communications engineering, communications security, network analysis, interoperability analysis, system standards, program analysis, program planning, cost analysis. Knowledgeable of COTS products and methods that can be acquired to provide interoperable, portable, and scalable information technology solutions. Performs analysis and validation of reusable software/hardware components to ensure the integration of these components into interoperable IP designs.

Minimum Experience: At least one (1) years

Minimum Education: Bachelor's Degree in a scientific field or information systems/system engineering related area and experience in the information systems/software engineering field with one (1) years of experience or Associates Degree with five (5) years' experience or High School education with eight (8) years' experience.

Commercial Job Title: Open Systems Engineer – Level II

Minimum/General Experience: Experienced current research and/or standards in at least two of the following technology/standards areas: Cloud Computing, Hadoop, Cloudera, PIG, Hive, GUI, Agile, object oriented technologies, RDBMS, data

integration, simulation and modeling, automated systems security, software metrics/system effectiveness measures/tools, multimedia, on-line transaction processing (OLTP), and distributed computing.

Functional Responsibility: Applies software, hardware, and standards information technology skills in the analysis, specification, development, integration, and acquisition of open systems for Information Processing (IP) applications. Familiar with standards-based open systems architectures, reference models, and profiles of standards (such as the IEEE POSIX Open Systems Environment (OSE) reference model) as they apply to the implementation and specification of IP solutions on the application platform, across the Application Program Interface (API), and to the external environment/software application. Performs professional engineering assignments in support systems engineering efforts in one or more of the following disciplines: communications engineering, communications security, network analysis, interoperability analysis, system standards, program analysis, program planning, cost analysis. Knowledgeable of COTS products and methods that can be acquired to provide interoperable, portable, and scalable information technology solutions. Performs analysis and validation of reusable software/hardware components to ensure the integration of these components into interoperable IP designs. Designs and maintains message format and symbology databases which provide real time updates to fielded systems.

Minimum Experience: At least one (1) years

Minimum Education: Master's Degree in a scientific field or information systems/system engineering related area and experience in the information systems/software engineering field with one (1) years of experience or a Bachelor's Degree with three (3) years' experience or Associates Degree with seven (7) years' experience or High School education with nine (9) years' experience.

Commercial Job Title: Technical Project Manager

Minimum/General Experience: Familiar with a variety of the field's concepts, practices, and procedures. Relies on experience and judgment to plan and accomplish goals. Performs a variety of tasks. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to a program manager or head of a unit/department.

Functional Responsibility: Responsible for the coordination and completion of projects within the information technology department. Oversees all aspects of projects technical delivery. Sets deadlines, assigns responsibilities, and monitors and summarizes progress of project. Builds and maintains working relationships with team members, vendors, and other departments involved in the projects. Prepares reports for upper management regarding status of project.

Minimum Experience: At least one (1) years

Minimum Education: Master's Degree with one (1) years of experience in the field or a Bachelor's degree with three (3) years of experience or Associates Degree with seven (7) years' experience or High School education with ten (10) years' experience.

Commercial Job Title: Sr. Technical Project Manager

Minimum/General Experience: Expertise with a variety of the IT field's concepts, practices, and procedures. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of tasks including requirements evaluation and planning for technical delivery. Leads and directs the work of others. A wide degree of creativity and latitude is expected. Typically reports to a manager or head of a unit/department.

Functional Responsibility: Responsible for the coordination and completion of projects within the information technology department and ensuring compliance with requirements. Oversees all aspects of projects. Sets deadlines, assigns responsibilities, and monitors and summarizes progress of project. Builds and maintains working relationships with team members, vendors, and other departments involved in the projects. Prepares reports for upper management regarding status of project.

Minimum Experience: At least three (3) years

Minimum Education: Master's Degree with three (3) years related experience in the field or a Bachelor's degree with five (5) years of experience or Associates Degree with seven (7) years' experience or High School education with nine (9) years' experience.

Commercial Job Title: Project Manager

Minimum/General Experience: Leads and directs the work of others with limited oversight. A wide degree of creativity and latitude is expected. Typically reports to a program manager or head of a unit/department.

Functional Responsibility: Responsible for the coordination and completion of projects. Oversees all aspects of projects. Sets deadlines, assigns responsibilities, and monitors and summarizes progress of project. Prepares various reports for upper management regarding status of project.

Minimum Experience: At least three (3) years

Minimum Education: Master's Degree with three (3) years related experience in the field or a Bachelor's degree with five (5) years of experience or Associates Degree with seven (7) years' experience or High School education with nine (9) years' experience.

Commercial Job Title: Sr. Project Manager

Minimum/General Experience: Expertise in the development of project plans and the management of project resources. Leads and directs the work of others. A wide degree of

creativity and latitude is expected. Typically reports to a manager or head of a unit/department.

Functional Responsibility: Responsible for the coordination and completion of projects. Oversees all aspects of projects. Sets deadlines, assigns responsibilities, and monitors and summarizes progress of project. Prepares various reports for upper management regarding status of project.

Minimum Experience: At least five (5) years

Minimum Education: Master's Degree with five (5) years related experience in the field or a Bachelor's degree with seven (7) years of experience or Associates Degree with eight (8) years' experience or High School education with ten (10) years' experience.

Commercial Job Title: Sr. Program Manager

Minimum/General Experience: Planning and directing technological improvements and project management implementation across multiple complex projects. Manage a diverse group of functional activities, subordinate groups of technical, project and administrative personnel.

Functional Responsibility: Responsible for the effective management of funds and personnel, and is accountable for the quality and timely delivery of all contractual items. Operates within client guidance, contractual limitations, and Company business and policy directives. Serves as focal point-of-contact with client regarding program activities. Ensures that all required resources including manpower, production standards, computer time, and facilities are available for program implementation. Manages program consisting of multiple projects including project identification, design, development, and delivery. Maintains the development and execution of business opportunities based on broad, general guidance. Confers with project manager to provide technical advice and to assist with problem resolution. May perform other duties as assigned.

Minimum Experience: At least ten (10) years

Minimum Education: Master's Degree with ten (10) years related experience in the field or a Bachelor's degree with twelve (12) years of experience or Associates Degree with sixteen (16) years' experience or High School education with nineteen (19) years' experience.

Commercial Job Title: Principle Software Integrator

Minimum/General Experience: Principle Software Integrator can define and carry out technical assignments requiring detailed knowledge of COTS/GOTS products Principle Software Integrators serve as leaders in the development of programmers, detailed designers, database administrators, or systems administrators. Senior Software Integrators concentrate on the design and implementation of the Client/Server model following the preliminary design efforts of the Principal Systems Architect and Senior Systems Architects.

Functional Responsibility: Principle Software Integrator provide engineering leadership for:

- Database Implementation
- Software Development
- Software Implementation support of the latter phases of Client/Server life Cycle
- Transition from design to development and integration of the work product

Minimum Experience: At least five (5) years

Minimum Education: Master's Degree (Computer Science, Information Systems, Engineering, Business, Social Science, or other related analytical, scientific, or technical disciplines.) with five (5) years' experience or a Bachelor's degree with seven (7) years of experience or Associates Degree with eleven (11) years' experience or High School education with fourteen (14) years' experience.

Commercial Job Title: Software Engineer – Level I

Minimum/General Experience: Applies technical skills in the area of software development, software configuration, application layer design and development, inter-process and system level communications protocol development and implementation. Good written and oral communications skills. Performs analytical and problem solving with direction from senior resources.

Functional Responsibilities: Develops standards-compliant software utilizing industry-leading operating systems, languages, protocols and databases. Knowledge of the design, operational use, and functional characteristics of standards-compliant systems. With direction, performs feasibility analysis, design, code, test, and integration of features that are specified by detailed system requirements. Makes use of commercially available or custom Computer Aided Software Engineering (CASE) tools as required

Minimum Experience: At least zero (0) years

Minimum Education: Master's Degree with related experience in the field or a Bachelor's degree with two (2) years of experience or Associates Degree with five (5) years' experience or High School education with seven (7) years' experience.

Commercial Job Title: Software Engineer – Level IV

Minimum/General Experience: Leads and mentors engineering staff and is a subject matter expert in the area of software development, software configuration, application layer design and development, inter-process and system level communications protocol development and implementation. Excellent written and oral communications skills. Strong analytical and problem solving skills and abilities. Experienced with large-scale system design and implementation.

Functional Responsibility: Leads development efforts of standards-compliant software utilizing industry-leading operating systems, languages, protocols, and databases. In-depth knowledge of the design, operational use, and functional characteristics of standards-compliant (e.g. CALS or GOSIP) systems. Evaluates and recommends tools/methodology

best suited for projects, and uses needed technologies and processes in deployment and operation of databases, data warehouses, and data distribution functions. Architects and selects appropriate COTS products and development tools to meet project needs. Ability to integrate database applications into enterprise networks and optimize/distribute network and server loads.

Minimum Experience: At least seven (7) years

Minimum Education: Master's Degree with seven (7) years' related experience in the field or a Bachelor's degree with ten (10) years of experience or Associates Degree with twelve (12) years' experience or High School education with fifteen (15) years' experience.

Commercial Job Title: Systems Analyst – Level I

Minimum/General Experience: Experience in one of the primary functional areas of IT, data management or IT requirement system analysis is desirable.

Functional Responsibility: With guidance, applies process improvement and re-engineering methodologies/principles to conduct process modernization projects. With guidance, develops functional area process and data models for use in designing and building integrated, shared software and database management systems. Basic understanding of engineering systems using incremental development, joint application development, rapid prototyping, and CASE technology concepts and techniques.

Minimum Experience: At least zero (0) year

Minimum Education: Bachelor's Degree and experience in the functional areas zero (0) years of experience or Associates Degree with two (2) years' experience or High School education with four (4) years' experience.

Commercial Job Title: Systems Analyst – Level IV

Minimum/General Experience: Subject matter Experience in the primary functional areas of IT, data management or IT requirement system analysis is desirable.

Functional Responsibility: Lead other resources in process improvement and re-engineering methodologies/principles to conduct process modernization projects. Develops functional area process and data models for use in designing and building integrated, shared software and database management systems. Experienced in engineering systems using incremental development, joint application development, rapid prototyping, and CASE technology concepts and techniques.

Minimum Experience: At least six (6) years

Minimum Education: Master's Degree and six (6) years' experience in the functional area or a Bachelor's degree with eight (8) years of experience or Associates Degree with twelve (12) years' experience or High School education with fifteen (15) years' experience. A Ph.D. degree may be substituted for two (2) years of experience for a total of eight (8) years' experience.

Commercial Job Title: Systems Engineer – Level I

Minimum/General Experience: Assists in the identification of opportunities for the effective application of computer technologies. Assists in the development of an integrated computer technologies applications plan for the business. Develops appropriate project benefits analyses and secures user and management approval for implementation of the plan.

Functional Responsibility: Assists in the implementation of approved projects. Documents the appropriate standards for the application of computer technologies in Engineering. Participates in the development of procedures and documentation required to support the needs of end users. Develop and/or support adequate measurement and reporting systems to appraise the efficiency of mechanized applications, their cost/benefit and impact on product cycle times. Assist in the selection, evaluation, implementation and operation of all computer hardware and application software used to provide computer aided “tools” and processes to the Engineering function.

Minimum Experience: At least zero (0) year

Minimum Education: Master's Degree with general experience or a Bachelor's degree with one (1) years of experience or Associates Degree with four (4) years' experience or High School education with seven (7) years' experience.

Commercial Job Title: Systems Engineer – Level III

Minimum/General Experience: Performs the identification of opportunities for the effective application of computer technologies. Develops integrated computer technologies applications plan for the business. Develops appropriate project benefits analyses and secures user and management approval for implementation of the plan.

Functional Responsibility: Performs detailed activities in the implementation of approved projects. Develops and documents the appropriate standards for the application of computer technologies in Engineering. Participates in the development of procedures and documentation required to support the needs of end users. Develop and/or support adequate measurement and reporting systems to appraise the efficiency of mechanized applications, their cost/benefit and impact on product cycle times. Performs the selection, evaluation, implementation and operation of all computer hardware and application software used to provide computer aided “tools” and processes to the Engineering function. Create software and macros required to effectively implement approved projects.

Minimum Experience: At least two (2) year

Minimum Education: Master's Degree with two (2) years' general experience or a Bachelor's degree with five (5) years of experience or Associates Degree with eight (8) years' experience or High School education with twelve (12) years' experience.

Commercial Job Title: Systems Engineer – Level IV

Minimum/General Experience: Leads and is a subject matter expert in the identification of opportunities for the effective application of computer technologies. Leads the development of an integrated computer technologies applications plan for the business. Develops appropriate project benefits analyses and secures user and management approval for implementation of the plan.

Functional Responsibility: Leads the implementation of approved projects. Develops and documents the appropriate standards for the application of computer technologies in Engineering. Participates in the development of procedures and documentation required to support the needs of end users. Develops and/or support adequate measurement and reporting systems to appraise the efficiency of mechanized applications, their cost/benefit and impact on product cycle times. Leads the selection, evaluation, implementation and operation of all computer hardware and application software used to provide computer aided “tools” and processes to the Engineering function. Create software and macros required to effectively implement approved projects.

Minimum Experience: At least three (3) year

Minimum Education: Master's Degree with three (3) years' general experience or a Bachelor's degree with seven (7) years of experience or Associates Degree with eleven (11) years' experience or High School education with fourteen (14) years' experience.

Commercial Job Title: Systems Administrator – Level I

Minimum/General Experience: Assists with operating system installation and configuration, configures mail and printing systems, installs and configures third-party software.

Functional Responsibility: Maintains local area network (LAN), data network, and telecommunications systems under supervision. Administers departmental LAN or shared software and hardware under supervision. Sets up user accounts on company's servers and runs necessary system backups. Performs limited programming. Assigns extensions and voice mail numbers; maintains directory of telephone and fax numbers. Operates under supervision.

Minimum Experience: At least zero (0) years

Minimum Education: Master's Degree with related experience in the field or a Bachelor's degree with one (1) years of experience or Associates Degree with four (4) years' experience or High School education with seven (7) years' experience.

Commercial Job Title: Systems Administrator – Level II

Minimum/General Experience: Performs operating system installation and configuration, configures mail and printing systems, installs and configures third-party software.

Functional Responsibility: Designs, and maintains local area network (LAN), data network, and telecommunications systems. Administers departmental LAN or shared

software and hardware. Sets up user accounts on company's servers and runs necessary system backups. Provides technical support for PCs and LAN network. Performs limited programming. Assigns extensions and voice mail numbers; maintains directory of telephone and fax numbers. Operates under minimal supervision.

Minimum Experience: At least one (1) years

Minimum Education: Master's Degree with one (1) year related experience in the field or a Bachelor's degree with three (3) years of experience or Associates Degree with seven (7) years' experience or High School education with ten (10) years' experience.

Commercial Job Title: Systems Administrator – Level IV

Minimum/General Experience: Leads and performs operating system installation and configuration, configures mail and printing systems, installs and configures third-party software.

Functional Responsibility: Collects requirements, evaluates, designs, and maintains local area network (LAN), data network, and telecommunications systems. Troubleshoots LAN, data and voice network problems. Administers departmental LAN or shared software and hardware. Sets up user accounts on company's servers and runs necessary system backups. Provides technical support for PCs and LAN network. Performs programming. Assigns extensions and voice mail numbers; maintains directory of telephone and fax numbers. Operates on tasks independently and leads others.

Minimum Experience: At least five (5) years

Minimum Education: Master's Degree with five (5) years' related experience in the field or a Bachelor's degree with eight (8) years of experience or Associates Degree with thirteen (13) years' experience or High School education with fifteen (15) years' experience.

Commercial Job Title: Software Developer Level I

Minimum/General Experience: Assists in coding in PHP, .NET, and/or other coding languages, developing SQL based databases, and use of HTML, CSS, JS, and XML for application development. Also highly familiar with security, QA, and code management best practices.

Functional Responsibility: Writing and testing code under the direction of a lead developer.

Minimum Experience: At least two (2) years

Minimum Education: Bachelor's degree with two (2) years of experience or Associates Degree with four (4) years' experience or High School education with eight (8) years' experience.

Commercial Job Title: Software Developer Level II

Minimum/General Experience: Assists with coding in PHP, .NET, and/or other coding languages, developing SQL based databases, and use of HTML, CSS, JS, and XML for application development. Also familiar with security, QA, and code management best practices.

Functional Responsibility: Writing and testing code under the direction of a lead developer, and may independently manage subsections of an application.

Minimum Experience: At least four (4) years

Minimum Education: Bachelor's degree with four (4) years of experience or Associates Degree with six (6) years' experience or High School education with ten (10) years' experience.

Commercial Job Title: Software Developer Level III

Minimum/General Experience: Mentors junior level staff in coding in PHP, .NET, and/or other coding languages, developing SQL based databases, and use of HTML, CSS, JS, and XML for application development. Also highly familiar with security, QA, and code management best practices.

Functional Responsibility: Writing and testing code under the direction of a lead developer, and may independently manage subsections of an application.

Minimum Experience: At least two (2) years

Minimum Education: Master's Degree with two (2) years of experience in the field or a Bachelor's degree with five (5) years of experience or Associates Degree with eight (8) years' experience or High School education with twelve (12) years' experience.

Commercial Job Title: Software Developer Level IV

Minimum/General Experience: Leads the development team in coding in PHP, .NET, and/or other coding languages, developing SQL based databases, and use of HTML, CSS, JS, and XML for application development. Also highly familiar with security, QA, and code management best practices.

Functional Responsibility: This role may independently manage larger subsections of an application and may act as the lead developer on small to mid-size applications.

Minimum Experience: At least four (4) years

Minimum Education: Master's Degree with four (4) years of experience in the field or a Bachelor's degree with six (6) years of experience or Associates Degree with ten (10) years' experience or High School education with fourteen (14) years' experience.

Commercial Job Title: Computer Security Systems Specialist Level I

Minimum/General Experience: This position requires experience in documenting computer security requirements for high-level applications, implementation of approved security product capabilities, and identification of computer security problems.

Functional Responsibility: Analyzes and defines security requirements. Designs, develops, engineers, and implements solutions for security computer requirements. Gathers and organizes technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the computer security area. Performs risk analyses, which also includes risk assessment. Provides daily supervision and direction to staff.

Minimum Experience: At least one (1) years

Minimum Education: Bachelor's degree with one (1) years of experience or Associates Degree with three (3) years' experience or High School education with five (5) years' experience.

Commercial Job Title: Computer Systems Security Specialist Level III

Minimum/General Experience: Analyzes and defines security requirements for issues. Designs, develops, engineers, and implements solutions to security requirements. Performs risk analyses, which include risk assessment.

Functional Responsibility: This position requires experience in defining computer security requirements for high-level applications, evaluation of approved security product capabilities, and resolution of computer security problems.

Minimum Experience: At least two (2) years

Minimum Education: Master's Degree with two (2) years of experience in the field or a Bachelor's degree with nine (9) years of experience or Associates Degree with fourteen (14) years' experience or High School education with seventeen (17) years' experience.

Commercial Job Title: IT Tester Level I

Minimum/General Experience: Assists with writing test plans and executing test scripts, and documenting and reporting test results. Knowledgeable in the following: Executing test scripts, Document and reports all findings, Re-validate bug fixes.

Functional Responsibility: Assists in designs and executes tests and evaluates test results to ensure compliance with acceptable regulations and conformance to design. Assists in preparing test scripts and all required test documentation

Minimum Experience: At least zero (0) years

Minimum Education: Bachelor's degree with zero (0) years of experience or Associates Degree with one (1) years' experience or High School education with two (2) years' experience.

Commercial Job Title: IT Tester Level II

Minimum/General Experience: Experience with writing test plans and executing test scripts, and documenting and reporting test results. The Tester is knowledgeable in or capable of but not limited to the following: Executing test scripts, Document and reports all findings, Re-validate bug fixes, Coordinate the implementation of the test environment, Develop comprehensive test plans with oversight.

Functional Responsibility: Assists in designs and executes tests and evaluates test results to ensure compliance with acceptable regulations and conformance to design. Performs in preparing test scripts and all required test documentation

Minimum Experience: At least one (1) years

Minimum Education: Bachelor's degree with one (1) years of experience or Associates Degree with two (2) years' experience or High School education with four (4) years' experience.

Commercial Job Title: IT Tester Level III

Minimum/General Experience: Experience with writing test plans and executing test scripts independently, and documenting and reporting test results. The Tester capable of the following: Writing test scripts, Executing test scripts, Document and reports all findings, Re-validate bug fixes, coordinate the implementation of the test environment, Develop comprehensive test plans.

Functional Responsibility: Mentors junior testers in designs and executes software tests and evaluates test results to ensure compliance with acceptable regulations and conformance to design. Mentors junior testers in preparing test scripts and all required test documentation

Minimum Experience: At least three (3) years

Minimum Education: Bachelor's degree with three (3) years of experience or Associates Degree with four (4) years' experience or High School education with six (6) years' experience.

Commercial Job Title: IT Tester Level IV

Minimum/General Experience: Experience with writing test plans and executing test scripts, and documenting and reporting test results. The Tester is knowledgeable in or capable of but not limited to the following: leading the development of test plans, writing test scripts, integrating automated testing tools, Executing test scripts, Document and reports all findings, Re-validate bug fixes, Coordinate the implementation of the test environment, Develop comprehensive test plans.

Functional Responsibility: Serves as lead in designs and executes software tests and evaluates test results to ensure compliance with acceptable regulations and conformance to design. Serves as lead in preparing test scripts and all required test documentation

Minimum Experience: At least five (5) years

Minimum Education: Bachelor's degree with five (5) years of experience or Associates Degree with six (6) years' experience or High School education with eight (8) years' experience.

2. Maximum Order.

54151S: \$1,000,000.00

OLM: \$100,000.00

3. Minimum Order.

54151S: \$100.00

OLM: \$100.00

4. Geographic Coverage (Delivery Area).

Domestic delivery is delivery within the 48 contiguous states, Alaska, Hawaii, Puerto Rico, Washington, DC, and U.S. Territories. Domestic delivery also includes a port or consolidation point, within the aforementioned areas, for orders received from overseas activities.

Overseas delivery is delivery to points outside of the 48 contiguous states, Washington, DC, Alaska, Hawaii, Puerto Rico, and U.S. Territories.

Offerors are requested to check one of the following boxes:

- The Geographic Scope of Contract will be domestic and overseas delivery.
- The Geographic Scope of Contract will be overseas delivery only.
- The Geographic Scope of Contract will be domestic delivery only.

5. Point of Production.

Centreville, Fairfax County, Virginia

6. Discount from list prices or statement of net price.

Prices shown are NET Prices; Basic Discounts have been deducted.

7. Quantity Discounts.

None.

8. Prompt Payment Terms.

1% - 20 days from receipt of invoice or date of acceptance, whichever is later.

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

Contractors are required to accept the Government purchase card for payments equal to or less than the micro purchase threshold for oral or written delivery orders.

9b. Notification whether Government purchase cards are accepted or not accepted above the micro-purchase threshold.

Government purchase cards will be acceptable for payment above the micro-purchase threshold. In addition, bank account information for wire transfer payments will be shown on the invoice.

10. Foreign items (list items by country of origin).

None.

11a. Time of delivery.

1–30 Calendar Days or as agreed between the Ordering Agency and the Contractor.

11b. Expedited Delivery.

When applicable, items available for expedited delivery are noted in this price list. The schedule customer may contact the Contractor for rates for expedited delivery.

11c. Overnight and 2-day delivery.

When applicable, the schedule customer may contact the Contractor for rates for overnight and 2-day delivery.

11d. Urgent Requirements.

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

12. F.O.B. point(s).

F.O.B. Destination.

13a. Ordering address.

Onyx Government Services, LLC
5870 Trinity Parkway, Suite 330
Centreville, VA 20120

13b. Ordering procedures:

Orders placed pursuant to a Multiple Award Schedule (MAS), using the procedures in FAR 8.404, are considered to be issued pursuant to full and open competition. Therefore, when placing orders under Federal Supply Schedules, ordering offices need not seek further competition, synopses the requirement, make a separate determination of fair and reasonable pricing, or consider small business set-asides in accordance with subpart 19.5.

GSA has already determined the prices of items under schedule contracts to be fair and reasonable. By placing an order against a schedule using the procedures outlined below, the ordering office has concluded that the order represents the best value and results in the lowest overall cost alternative (considering price, special features, administrative costs, etc.) to meet the Government's needs.

a. Orders placed at or below the micro-purchase threshold. Ordering offices can place orders at or below the micro-purchase threshold with any Federal Supply Schedule Contractor.

b. Orders exceeding the micro-purchase threshold but not exceeding the maximum order threshold. Orders should be placed with the Schedule Contractor that can provide the supply or service that represents the best value. Before placing an order, ordering offices should consider reasonably available information about the supply or service offered under MAS contracts by using the "GSA Advantage!" on-line shopping service, or by reviewing the catalogs/pricelists of at least three Schedule Contractors and selecting the delivery and other options available under the schedule that meets the agency's needs. In selecting the supply or service representing the best value, the ordering office may consider--

- (1) Special features of the supply or service that are required in effective program performance and that are not provided by a comparable supply or service;
- (2) Trade-in considerations;
- (3) Probable life of the item selected as compared with that of a comparable item;
- (4) Warranty considerations;
- (5) Maintenance availability;
- (6) Past performance; and
- (7) Environmental and energy efficiency considerations.

c. Orders exceeding the maximum order threshold. Each schedule contract has an established maximum order threshold. This threshold represents the point where it is advantageous for the ordering office to seek a price reduction. In addition to following the procedures in paragraph b, above, and before placing an order that exceeds the maximum order threshold, ordering offices shall--

- (1) Review additional Schedule Contractors' catalogs/pricelists or use the "GSA Advantage!" on-line shopping service;
- (2) Based upon the initial evaluation, generally seek price reductions from the Schedule Contractor(s) appearing to provide the best value (considering price and other factors); and
- (3) After price reductions have been sought, place the order with the Schedule Contractor that provides the best value and results in the lowest overall cost alternative.

If further price reductions are not offered, an order may still be placed, if the ordering office determines that it is appropriate.

NOTE: For orders exceeding the maximum order threshold, the Contractor may:

(1) Offer a new lower price for this requirement (the Price Reductions clause is not applicable to orders placed over the maximum order in FAR 52.216-19 Order Limitations);

(2) Offer the lowest price available under the contract; or

(3) Decline the order (orders must be returned in accordance with FAR 52.216-19).

d. Blanket purchase agreements (BPAs). The establishment of Federal Supply Schedule BPAs is permitted when following the ordering procedures in FAR 8.404. All schedule contracts contain BPA provisions. Ordering offices may use BPAs to establish accounts with Contractors to fill recurring requirements. BPAs should address the frequency of ordering and invoicing, discounts, and delivery locations and times.

e. Price reductions. In addition to the circumstances outlined in paragraph c, above, there may be instances when ordering offices will find it advantageous to request a price reduction. For example, when the ordering office finds a schedule supply or service elsewhere at a lower price or when a BPA is being established to fill recurring requirements, requesting a price reduction could be advantageous. The potential volume of orders under these agreements, regardless of the size of the individual order, may offer the ordering office the opportunity to secure greater discounts. Schedule Contractors are not required to pass on to all schedule users a price reduction extended only to an individual agency for a specific order.

f. Small business. For orders exceeding the micro-purchase threshold, ordering offices should give preference to the items of small business concerns when two or more items at the same delivered price will satisfy the requirement

g. Documentation. Orders should be documented, at a minimum, by identifying the Contractor the item was purchased from, the item purchased, and the amount paid. If an agency requirement in excess of the micro-purchase threshold is defined so as to require a particular brand name, product, or feature of a product peculiar to one manufacturer, thereby precluding consideration of a product manufactured by another company, the ordering office shall include an explanation in the file as to why the particular brand name, product, or feature is essential to satisfy the agency's needs.

14. Payment address.

Onyx Government Services, LLC
5870 Trinity Parkway, Suite 330
Centreville, VA 20120

15. Warranty provision.

YEAR 2000 WARRANTY — COMMERCIAL SUPPLY ITEMS

As used in this clause “Year 2000 compliant” means with respect to information technology, that the information technology accurately processes date/time data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, and the years 1999 and 2000 and leap year calculations, to the extent that other information technology used in combination with the information technology being acquired, properly exchanges date/time data with it.

(a) All currently awarded products that are not year 2000 compliant must be deleted from this contract no later than December 31, 1999.

(b) Any contract modifications, adding new items under clause 552.243-72 Modifications (Multiple Award Schedule) must meet the warranty requirement in paragraph c below.

(c) The Contractor shall warrant that each hardware, software, and firmware product delivered under this contract shall be able to accurately process date time data (including, but not limited to, calculating, comparing, and sequencing) from, into, and between the twentieth and twenty-first centuries, including leap year calculations, when used in accordance with the product documentation provided by the Contractor, provided that all products (e.g. hardware, software, firmware) used in combination with products properly exchange date time data with it. If the contract requires that specific products must perform as a system in accordance with the foregoing warranty, then that warranty shall apply to those products as a system. The duration of this warranty and the remedies available under this warranty shall include repair or replacement of any product whose non-compliance is discovered and made known to the Contractor in writing within ninety (90) days after acceptance (installation is considered acceptance). The Contractor may offer an extended warranty to the Government to include repair or replacement of any product whose non-compliance is discovered and made known to the Contractor in writing at any time prior to June 1, 2000, or for a period of 6 months following acceptance (installation is considered acceptance) whichever is later. Nothing in this warranty shall be construed to limit any rights or remedies the Government may otherwise have under this contract with respect to defects other than Year 2000 performance.

16. Export packing charges.

Not available within the scope of this contract.

17. List of service and distribution points (if applicable).

None.

18. List of participating dealers (if applicable).

None.

19. Preventive maintenance (if applicable).
None.
20. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants).
None.
21. Section 508.
Compliance information is available on Electronic and Information Technology (EIT) supplies and services. The EIT standards can be found at: www.Section508.gov/.
22. Data Universal Number System (DUNS) number.
785330130
23. Notification regarding registration in Central Contractor Registration (CCR) database, now System for Award Management (SAM). SAM is reviewed quarterly and updated annually to remain compliant.