

**AUTHORIZED INFORMATION TECHNOLOGY SCHEDULE PRICELIST
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY
EQUIPMENT, SOFTWARE AND SERVICES**

SIN 132-51 – INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES

FSC/PSC Class D302 IT AND TELECOM- SYSTEMS DEVELOPMENT
FSC/PSC Class D306 IT AND TELECOM- SYSTEMS ANALYSIS
FSC/PSC Class D307 IT AND TELECOM- IT STRATEGY AND ARCHITECTURE
FSC/PSC Class D308 IT AND TELECOM- PROGRAMMING
FSC/PSC Class D310 IT AND TELECOM- CYBER SECURITY AND DATA BACKUP
FSC/PSC Class D311 IT AND TELECOM- DATA CONVERSION
FSC/PSC Class D313 IT AND TELECOM- COMPUTER AIDED DESIGN/COMPUTER AIDED MANUFACTURING (CAD/CAM)
FSC/PSC Class D316 IT AND TELECOM- TELECOMMUNICATIONS NETWORK MANAGEMENT

Note: 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.

SIN 132-56 - HEALTH INFORMATION TECHNOLOGY SERVICES

FSC/PSC Class D302 IT AND TELECOM- SYSTEMS DEVELOPMENT
FSC/PSC Class D306 IT AND TELECOM- SYSTEMS ANALYSIS
FSC/PSC Class D307 IT AND TELECOM- IT STRATEGY AND ARCHITECTURE
FSC/PSC Class D308 IT AND TELECOM- PROGRAMMING
FSC/PSC Class D310 IT AND TELECOM- CYBER SECURITY AND DATA BACKUP
FSC/PSC Class D311 IT AND TELECOM- DATA CONVERSION
FSC/PSC Class D313 IT AND TELECOM- COMPUTER AIDED DESIGN/COMPUTER AIDED MANUFACTURING (CAD/CAM)
FSC/PSC Class D316 IT AND TELECOM- TELECOMMUNICATIONS NETWORK MANAGEMENT

Note: 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.

SIN 132-100 – ANCILLARY SUPPLIES AND/OR SERVICES



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A Small Business Administration (SBA) certified Woman-Owned Small Business (WOSB), Economically Disadvantaged Woman-Owned Small Business (EDWOSB), Historically Underutilized Business Zone (HUBZone) Small Business and Small Disadvantaged Business (SDB)

Contract Number: [GS-35F-052GA](#)

Period Covered by Contract: [October 28, 2016 – October 27, 2021](#)

General Services Administration

Federal Acquisition Service

Pricelist current through Modification #PS-0004, dated October 17, 2017.

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 GSA Advantage! ® is: GSAAdvantage.gov. Prices shown herein are Net (discount deducted).

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**TERMS AND CONDITIONS APPLICABLE TO INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES
(SPECIAL ITEM NUMBER 132-51)**

****NOTE: All non-professional labor categories must be incidental to, and used solely to support professional services, and cannot be purchased separately.

1. SIN 132-51 SCOPE

- (a) The prices, terms and conditions stated under Special Item Number 132-51 Information Technology Professional Services apply exclusively to IT Professional Services within the scope of this Information Technology Schedule.
- (b) The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

2. SIN 132-51 PERFORMANCE INCENTIVES I-FSS-60 Performance Incentives (April 2000)

- (a) Performance incentives may be agreed upon between the Contractor and the ordering activity on individual fixed price orders or Blanket Purchase Agreements under this contract.
- (b) The ordering activity must establish a maximum performance incentive price for these services and/or total solutions on individual orders or Blanket Purchase Agreements.
- (c) Incentives should be designed to relate results achieved by the contractor to specified targets. To the maximum extent practicable, ordering activities shall consider establishing incentives where performance is critical to the ordering activity's mission and incentives are likely to motivate the contractor. Incentives shall be based on objectively measurable tasks.

3. SIN 132-51 ORDER

- (a) Agencies may use written orders, EDI orders, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.
- (b) All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

4. SIN 132-51 PERFORMANCE OF SERVICES

- (a) The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
- (b) The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.
- (c) The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.
- (d) Any Contractor travel required in the performance of IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts.

5. SIN 132-51 STOP-WORK ORDER (FAR 52.242-15) (AUG 1989)

- (a) The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to the

Contractor, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either-

- (1) Cancel the stop-work order; or
 - (2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.
- (b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-
- (1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
 - (2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.
- (c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.
- (d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

6. SIN 132-51 INSPECTION OF SERVICES

In accordance with FAR 52.212-4 CONTRACT TERMS AND CONDITIONS--COMMERCIAL ITEMS (MAR 2009) (DEVIATION I - FEB 2007) for Firm-Fixed Price orders and FAR 52.212-4 CONTRACT TERMS AND CONDITIONS -COMMERCIAL ITEMS (MAR 2009) (ALTERNATE I - OCT 2008) (DEVIATION I - FEB 2007) applies to Time-and-Materials and Labor-Hour Contracts orders placed under this contract.

7. SIN 132-51 RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 (Dec 2007) Rights in Data - General, may apply.

8. SIN 132-51 RESPONSIBILITIES OF THE ORDERING ACTIVITY

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

9. SIN 132-51 INDEPENDENT CONTRACTOR

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

10. SIN 132-51 ORGANIZATIONAL CONFLICTS OF INTEREST

(a) Definitions.

"Contractor" means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

"Contractor and its affiliates" and "Contractor or its affiliates" refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An "Organizational conflict of interest" exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor's or its affiliates' objectivity in performing contract work.

- (b) To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

11. SIN 132-51 INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for IT Professional services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products.

Invoices shall be submitted monthly for recurring services performed during the preceding month.

12. SIN 132-51 PAYMENTS

For firm-fixed price orders the ordering activity shall pay the Contractor, upon submission of proper invoices or vouchers, the prices stipulated in this contract for service rendered and accepted. Progress payments shall be made only when authorized by the order. For time-and-materials orders, the Payments under Time -and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to time-and-materials orders placed under this contract. For labor-hour orders, the Payment under Time-and-Materials and Labor-Hour Contracts at FAR 52.212-4 (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to labor-hour orders placed under this contract. 52.216-31(Feb 2007) Time-and-Materials/Labor-Hour Proposal Requirements—Commercial Item Acquisition As prescribed in 16.601(e)(3), insert the following provision:

- (a) The Government contemplates award of a Time-and-Materials or Labor-Hour type of contract resulting from this solicitation.
- (b) The offeror must specify fixed hourly rates in its offer that include wages, overhead, general and administrative expenses, and profit. The offeror must specify whether the fixed hourly rate for each labor category applies to labor performed by—
- (1) The offeror;
 - (2) Subcontractors; and/or
 - (3) Divisions, subsidiaries, or affiliates of the offeror under a common control.

13. SIN 132-51 RESUMES

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity upon request.

14. SIN 132-51 INCIDENTAL SUPPORT COSTS

Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

15. SIN 132-51 APPROVAL OF SUBCONTRACTS

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

16. SIN 132-51 DESCRIPTION OF IT PROFESSIONAL SERVICES AND PRICING

- (a) The Contractor shall provide a description of each type of IT Service offered under Special Item Numbers 132-51 IT Professional Services should be presented in the same manner as the Contractor sells to its commercial and other ordering activity customers. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles (labor categories) for those individuals who will perform the service should be provided.
- (b) Pricing for all IT Professional Services shall be in accordance with the Contractor's customary commercial practices; e.g., hourly rates, monthly rates, term rates, and/or fixed prices, minimum general experience and minimum education.

Advanced Technology Application Developer 1

Duties: Translates applications requirements into web-based solutions using available technology. Must be able to apply new and emerging technologies to the software development process. Technologies include HTML, CGI applications, PERL or Javascript, and Java and Big Data management technologies like MongoDB.

Education: Bachelor's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of one (1) year of computer experience in at least two of the following disciplines: system analysis, system programming, application development/programming, and equipment analysis.

Advanced Technology Application Developer 2

Duties: Must be able to translate applications requirements into web-based solutions using available technology. Must be able to apply new and emerging technologies to the software development process.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of three (3) years of computer experience in at least two of the following disciplines: system analysis, system programming, application development/programming, and equipment analysis.

Analyst 2

Duties: Applies management analysis processes, statistical methods, and advanced technical and analytical research techniques to determine solutions based on client requirements with an IT services/solutions-based scope. Analyzes operational activities to obtain a quantitative, rational basis for decision making and resource allocation. Employs process improvements and reengineering methodologies and principles for modernization of systems and projects.

Education: Bachelor's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of three (3) years of computer experience in at least two of the following disciplines: system analysis, system programming, application development/ programming, and equipment analysis.

Application Developer 1

Duties: With support, translates applications requirements into web-based solutions using available technology. Applies new and emerging technologies to the software development process.

Education: Bachelor's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of two (2) years of computer experience in at least two of the following disciplines: system analysis, system programming, application development/programming, and equipment analysis.

Application Developer 2

Duties: Translates applications requirements into web-based solutions using available technology independently. Applies new and emerging technologies to the software development process.

Education: Bachelor's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of four (4) years of computer experience in at least two of the following disciplines: system analysis, system programming, application development/programming, and equipment analysis.

Applications Development Expert

Duties: Provides design recommendations based on long-term IT organization strategy. Develops enterprise level application and custom integration solutions including major enhancements and interfaces, functions and features. Uses a variety of platforms to provide automated systems applications to customers. Provides expertise regarding the integration of applications across the business. Determines specifications, then plans, designs, and develops the most complex and business critical software solutions, utilizing appropriate software engineering processes – either individually or in concert with a project team. Will assist in the most difficult support problems.

Develops programming and development standards and procedures as well as programming architectures for code

reuse. Has in-depth knowledge of state-of-the art programming languages and object-oriented approach in designing, coding, testing and debugging programs. Understands and consistently applies the attributes and processes of current application development methodologies. Researches and maintains knowledge in emerging technologies and possible application to the business. Viewed both internally and externally as a technical expert and critical technical resource across multiple disciplines. Acts as an internal consultant, advocate, mentor and change agent.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of seven (7) years of IT and business/industry work experience.

Application Architect 2

Duties: Manages major projects that involve providing professional support services and/or the integration, implementation and transition of large, complex systems. Provides design and development of e- government solutions, and is responsible for technical design and implementation of the architecture. Designs, develops and maintains infrastructure and backend applications. Provides expertise on defining the role of broadband and wireless applications. Provides definition of current State architecture blueprints. Provides expertise with web servers, gateways, and application servers and content management systems. Provides experience in web application technologies and middleware solutions. Researches new technologies and products for their applicability to business processes. Compares various solutions and determine the most suitable. Ensures that development efforts are well planned and in agreement with standards.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of ten (10) years of experience planning, designing, building, and implementing IT application systems. Must have a strong background in software engineering principles and techniques.

Application Programmer 1

Duties: Identifies functional business applications and design specification for functional areas. Develops diagram and flowcharts. Translates diagrams and flowcharts into computer software with oversight.

Education: Bachelor's Degree from an accredited college or university in Engineering, Computer Science, Mathematics or other related scientific or technical discipline.

Experience: Must have a minimum of two (2) years of experience planning, designing, building, and implementing IT application systems. Must have a strong background in software engineering principles and techniques.

Application Programmer 2

Duties: Identifies functional business applications and design specification for functional areas. Develops diagram and flowcharts. Translates diagrams and flowcharts into computer software.

Education: Bachelor's Degree from an accredited college or university in Engineering, Computer Science, Mathematics or other related scientific or technical discipline.

Experience: Must have a minimum of four (4) years of experience planning, designing, building, and implementing IT application systems. Must have a strong background in software engineering principles and techniques.

Business Process Consultant 2

Duties: Develops business requirements and business processes re-engineering methodologies. Solves application and process related problems by creating detail process and system design specifications; and works with other areas across the business units to support a total solution approach. Communicates business requirements for reports and applications development. Facilitates collaboration within and across business units and across IT functions. Resolves problems and improves business units' technical environments.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of eight (8) years of experience in business process re- engineering.

Computer Graphics Illustrator

Duties: Duties will include recommending various methods of portraying ideas and the design, layout, and generation of a variety of graphical presentation products from rough drafts or outlines. Must possess skill in the preparation of graphs, charts and text data for visual presentations. Duties will be performed using complex automated color graphic equipment and PC software packages. A basic knowledge of graphic equipment, graphic software, file formats and graphic terms is required.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of three (3) years of experience in creating and generating graphics using computer graphics software.

Computer Operations Center Specialist

Duties: Establishes detailed schedules for utilization of all equipment in the computer operations center to obtain maximum usage. Consults with personnel in other data processing sections to coordinate activities, and prepare activity and progress reports regarding the computer operations center. Evaluates production, equipment and personnel costs. Analyzes and interprets technical data processing data. Communicates technical data processing information effectively both orally and in writing. Applies applicable rules, regulations, policies and procedures of the computer operations center.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of five (5) years of experience.

Computer Operations Research Analyst

Duties: Performs technical work in the operation of computers and auxiliary peripheral equipment. Collates information into meaningful reports and presentation material. Maintains any technical information in a systems library. Applies principles and methods to obtain maximum utilization of computer equipment. Operates and cares for electronic computer and peripheral equipment.

Education: A high school diploma or equivalent.

Experience: Must have a minimum of one (1) year of work experience in a business environment.

Computer Operator 2

Duties: Provides basic support and data entry service. Among many responsibilities include the integration and connectivity of hardware compute devices. Network and computer knowledge along with familiarity in the server, storage, backup and networking is a plus.

Education: A high school diploma or equivalent.

Experience: Must have a minimum of five (5) years of experience in a computer-related field.

Computer Operator 3

Duties: Provides basic support and data entry service. Among many responsibilities include the integration and connectivity of hardware compute devices. Network and computer knowledge along with familiarity in the server, storage, backup and networking is a plus.

Education: A high school diploma or equivalent.

Experience: Must have a minimum of seven (7) years of experience in a computer-related field.

Computer Programmer 3

Duties: Utilizes third- and fourth-generation or current state-of-the-art IT equipment and languages to develop and prepare diagrammatic plans for solution of business, management, communications, and strategic problems. Designs detailed programs, flowcharts, and diagrams showing mathematical computations and sequence of machine operations necessary to copy and process data and print results. Verifies the accuracy and completeness of programs and systems by preparing sample representative data and perform testing by means of cycle and system processing.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related

scientific or technical discipline.

Experience: Must have a minimum of eight (8) years of programming experience in software development or maintenance.

Computer Specialist 1

Duties: Determines costs for converting computer systems from one language or machine to another by utilizing compilers, simulators, emulators, and/or language translators and recommend better utilization of operating systems capabilities to improve system efficiency. Develops, manages, maintains, and evaluates state-of-the-art computer hardware, software, and software development tools; Evaluates their ability to support specific requirements and interface with other equipment and systems; determines potential and actual bottlenecks; proposes recommendations for their elimination; and make recommendations for systems improvements that will result in optimal hardware and software usage.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of five (5) years of computer experience in at least two (2) of the following disciplines: systems analysis, systems programming, application programming, or equipment analysis.

Computer Specialist 2

Duties: Determines costs for converting computer systems from one language or machine to another by using compilers, simulators, emulators, and/or language translators and to recommend better utilization of operating systems capabilities for improving system efficiency. Develops, manages, maintains, and evaluates current state-of-the-art computer hardware, software, and software development tools; evaluates their ability to support specific requirements and interface with other equipment and systems; determines potential and actual bottlenecks and proposes recommendations for their elimination; and makes recommendations for system improvements that will result in optimal hardware and software use.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of eight (8) years of computer experience in at least two of the following disciplines: system analysis, system programming, application programming, and equipment analysis.

Computer Systems Analyst 1

Duties: Develops requirements for information systems from a project's inception to conclusion. Develops required specifications for simple to moderately complex systems. Assists senior computer systems analyst in preparing input and test data for the proposed system.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum three (3) years of computer experience in assignments of a technical nature working under close supervision and direction.

Computer Systems Analyst 2

Duties: Provides technical and administrative direction for personnel performing software development tasks, including the review of work products for correctness, adherence to the design concept and to user standards and for progress in accordance with schedules. Must be able to coordinate with the Program Manager to ensure problem solution and user satisfaction. Makes recommendations, if needed, for approval of major systems installations. Prepares milestone status reports and deliveries/presentations on the system concept to colleagues, subordinates, and end user representatives. Provides daily supervision and direction to support staff.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum eight (8) years of computer experience working independently or under general direction on complex application problems involving all phases of systems analysis.

Computer Systems Programmer 1

Duties: Prepares system software installation by studying software capabilities and operations, including task scheduling, memory management, file system, and input and output requirements. Detects work stoppage or errors by conducting tests; monitoring output. Corrects work stoppages or errors by entering code changes.

Education: A Bachelor's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of three (3) years of computer experience in information systems design.

Computer Systems Programmer 2

Duties: Prepares system software installation by studying software capabilities and operations, including task scheduling, memory management, file system, and input and output requirements. Detects work stoppage or errors by conducting tests; monitoring output. Corrects work stoppages or errors by entering code changes. Optimizes system efficiency by analyzing performance indicators; changing software.

Education: A Bachelor's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of five (5) years of computer experience in information systems design.

Computer Systems Programmer 3

Duties: Creates and/or maintains operating systems, communications software, database packages, compilers, repositories, and utility and assembler programs. Modifies existing software and develop special- purpose software to ensure efficiency and integrity between systems and applications.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of twelve (12) years of computer experience in information systems design.

Computer Systems Security Specialist

Duties: Analyzes and defines security requirements for multi-level security (MLS) issues. Designs, develops, engineers, and implements solutions to MLS requirements. Gathers and organizes technical information about an agency's mission goals and needs, existing security products, and ongoing programs in the MLS arena. Performs risk analyses, which also include risk assessment. Provides daily direction to staff.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of six (6) years of experience in analysis and definition of security requirements.

Data Security Specialist

Duties: Responsible for the planning, design, implementation and monitoring of security measures, policies, methods and procedures which safeguard the integrity of and access to enterprise systems, files and data elements. Responsible for acting on security violations. Maintains knowledge of changing technologies, and provides recommendations for adaptation of new technologies or policies. Recognizes and identifies potential areas where existing data security policies and procedures require change, or where new ones need to be developed, especially regarding future business expansion. Provides management with risk assessments and security briefings to advise them of critical issues that may affect customer, or corporate security objectives.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of four (4) years of IT work experience in data security.

Database Management Specialist 1

Duties: Provided highly technical expertise and support in the use of DBMS. Evaluates and recommends available DBMS products to support validated user requirements. Defines file organization, indexing methods, and security procedures for specific user applications. Develops, implements, and maintains database back-up and recovery procedures for the processing environments, and ensures that data integrity, security, and recoverability are built into the DBMS applications.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of three (3) years of experience in DBMS systems analysis and programming.

Database Management Specialist 2

Duties: Provides highly technical expertise and support in the use of DBMS. Evaluates and recommends available DBMS products to support validated user requirements. Defines file organization, indexing methods, and security procedures for specific user applications. Develops, implements, and maintains database back-up and recovery procedures for the processing environments, and ensures that data integrity, security, and recoverability are built into the DBMS applications.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of six (6) years of experience in DBMS systems analysis and programming.

Database Manager

Duties: Manages the development of database projects. Plans and budgets staff and data resources. Supports application developers in planning preparation, load analysis, and backup and recovery of data. When necessary, reallocates resources to maximize benefits. Prepares and delivers presentations on DBMS concepts. Provides daily supervision and direction to support staff. Monitors performance and evaluates areas to improve efficiency.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of seven (7) years of experience in the development and maintenance of database systems.

Distribution Operations Specialist 2

Duties: Under immediate supervision, responsible for review/develop/modify/test procedures and systems requirements to manage property book requirements directly supporting client Enterprise infrastructure and infostructure IT goals and projects. Train internal and external customers regarding procedures/ processes and software applications. Conduct internal audits and development/ review of corrective action plans. Negotiate supplier agreements and service contracts as required by job. Have knowledge of capital procurement processes. Perform duties and responsibilities as the lead on process improvement teams. Coordinate workflow and material movement to meet program and customer delivery requirements.

Education: An Associate's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of two (2) years of experience in a computer-related field.

Distribution Operations Specialist 3

Duties: Under general direction, responsible for review/develop/modify/test procedures and systems requirements to manage property book requirements directly supporting client Enterprise infrastructure and infostructure IT goals and projects. Train internal and external customers regarding procedures/ processes and software applications. Conduct internal audits and development/ review of corrective action plans. Negotiate supplier agreements and service contracts as required by job. Have knowledge of capital procurement processes. Perform duties and responsibilities as the lead on process improvement teams. Coordinate workflow and material movement to meet program and customer delivery requirements.

Education: An Associate's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of three (3) years of experience in a computer-related field.

Distribution Operations Specialist 4

Duties: Under indirect supervision, responsible for review/develop/modify/test procedures and systems requirements to manage property book requirements directly supporting client Enterprise infrastructure and infostructure IT goals and projects. Train internal and external customers regarding procedures/ processes and software applications.

Conduct internal audits and development/ review of corrective action plans. Negotiate supplier agreements and service contracts as required by job. Have knowledge of capital procurement processes. Perform duties and responsibilities as the lead on process improvement teams. Coordinate workflow and material movement to meet program and customer delivery requirements.

Education: An Associate's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience Must have a minimum of four (4) years of experience in a computer-related field.

Documentation Specialist

Duties: Gathers, analyzes, and composes technical information. Conducts research and ensures the use of proper technical terminology. Translates technical information into clear, readable documents to be used by technical and non-technical personnel. For applications built to run in a Windows environment, uses the standard help compiler to prepare all on-line documentation

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of four (4) years of experience in technical writing and documentation experience pertaining to all aspects of IT.

GeoSpatial Web Developer 2

Duties: Installs and configures ArcGIS Server; develops mapping applications and web services using ArcGIS Server for Flex and JavaScript/HTML5, builds and publishes maps via ArcGIS and ArcGIS Online resources, ArcSDE databases, and geo-processing tools as services in ArcGIS Server to streamline existing geospatial procedures; develop mobile GIS applications, assume responsibility of full project lifecycle on simple projects; act proactively to avoid agency customer issues and meet their business needs. Experience developing for HTML 5, using open source geospatial software development tools, and developing for multiple PC, iOS, Android platforms is a plus.

Education: Bachelor's degree from an accredited college or university in computer science, GIS, engineering, or related field.

Experience: Must have a minimum of three (3) years of experience working on GIS development projects using industry-standard technologies such as XML, Web services, application servers, and Web servers and developing web mapping applications.

GeoSpatial Web Developer 3

Duties: Responsibilities include: installing and configuring ArcGIS Server; developing mapping applications and web services using ArcGIS Server for Flex and JavaScript/HTML5, building and publishing maps via ArcGIS and ArcGIS Online resources, ArcSDE databases, and geo- processing tools as services in ArcGIS Server to streamline existing geospatial procedures; and developing mobile GIS applications. Can assume responsibility for full project lifecycle on simple projects; act proactively to avoid agency customer issues and meet their business needs. Experience developing for HTML 5, using open source geospatial software development tools, and developing for multiple PC, iOS, and Android platforms is a plus.

Education: Bachelor's degree from an accredited college or university in computer science, GIS, engineering, or related field.

Experience: Must have a minimum of four (4) years of experience working on GIS development projects using industry-standard technologies such as XML, Web services, application servers, and Web servers and developing web mapping applications.

Help Desk Manager

Duties: Provides daily supervision and direction to staff who are responsible for phone and in- person support to users in the areas of e-mail, directories, standard Windows desktop applications, and other network services. Manages personnel who serve as the first point of contact for troubleshooting hardware and software PC and printer problems.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of seven (7) years of experience in the Help Desk or related field.

Help Desk Specialist 2

Duties: Provides telephone and in-person support to users in the areas of directories, standard Windows desktop applications, and applications developed under this Contract or predecessors. Serves as the initial point of contact for troubleshooting hardware/software PC and printer problems.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of five (5) years of experience in business IT environments with emphasis on PC hardware and applications.

Help Desk Specialist 3

Duties: Provides telephone and in-person support to users in the areas of directories, standard Windows desktop applications, and applications developed under this Contract or predecessors. Serves as the initial point of contact for troubleshooting hardware/software PC and printer problems.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of seven (7) years of experience in a business IT environment with emphasis on PC computer hardware and applications.

Information Technology Architect 2

Duties: Provides expertise in the most current principles and practices of architecture data management systems and experience in large system designs, and with data modeling in the information management arena. Provides expertise in modeling and organizing information to facilitate support of projects or information architectures. Provides guidance on how and what to data and process model. Primarily deals with transition planning from legacy to modern systems by concentrating on information flows, data exchange, and data translation standardization services.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of ten (10) years of experience planning, designing, building, and implementing IT systems.

Information Technology Planner 2

Duties: Provides planning services for a wide range of programs and projects including design, development, implementation, post-implementation and maintenance of the systems. Provides SWOT analyses, critical success factor analyses, strategic business planning, strategic information systems planning, value chain analyses, e-business assessments, and other techniques used to establish strategic plans. Provides expertise in conducting research, evaluations, and studies required to develop both short- term and long-term plans. Provides plans, designs, concepts, and develops both general and specific program and project strategies for linking proposed investments in IT to business results. Provides planning, scheduling, networking and coordination assistance among State organizations involved in implementation and integration efforts. Identifies problems and recommends solutions.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of ten (10) years progressive experience as an IT planner or involved in planning type functions.

Interdisciplinary Engineer 1

Duties: Must be capable of translating mission requirements and information problems into solutions employing current state-of-the-art information system equipment and software. Must be able to define interaction and interface among different categories of requirements, and develop appropriate design to support the requirements while employing IT methodologies. Must be able to serve as a liaison to interpret and translate various disciplines represented on the task team, and serve as a point of contact for evaluation of problems arising from the

interdisciplinary nature of the task.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of five (5) years of experience in technical work in the areas of system management and system integration.

Interdisciplinary Engineer 2

Duties: Must have demonstrated ability to perform senior level engineering and/or IT tasks in the disparate areas of software, electronics telecommunications, or networking. Must be capable of translating mission requirements and information problems into solutions employing current state-of-the-art information system equipment and software. Must be able to define interaction with and/or interface between these different categories of requirements and to develop the appropriate design to support these requirements while employing methodologies from any of the above disciplines as required. Must be able to serve as a liaison to interpret and translate among the various disciplines represented on the task team, and serve as a point of contact for evaluation of problems arising from the interdisciplinary nature of the task.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of eight (8) years of experience in technical work in the major areas of system management and system integration.

Internet/Intranet Site Developer 1

Duties: Must be able to translate applications requirements into the design of complex web sites, including integrating web pages and applications. Must be able to apply new and emerging technologies to the development process.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of one (1) year of web development experience using current Web development and graphic tools, Web server and database administration.

Internet/Intranet Site Developer 2

Duties: Must be able to translate applications requirements into the design of complex web sites, including integrating web pages and applications. Must be able to apply new and emerging technologies to the site development process.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have five (5) years of web development experience using current Web development and graphic tools, Web Server and database administration.

Internet/Web Architect

Duties: Responsible for analyzing assigned specifications, planning, designing and developing solutions, utilizing appropriate Internet/Intranet/Extranet architecture processes supporting a wide range of business process. Provides appropriate documentation for object design decisions, estimating assumptions, applets and performance metrics – as required by organization architecture process standards, or as assigned. Responsible for minimizing the issues between the client and the server applications and for the overall setup and design of the Internet and web server architecture. Impact and complexity of this job increases if organization is utilizing Internet solutions (vs. only Intranet), especially those with significant business impact (e.g., e- business).

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of five (5) years of IT work experience.

IT Cost Accountant 2

Duties: Provides cost estimating and financial management support, including all activities, which occur during the

life cycle of an information technology application or system. Conducts investment analyses or other complex operational analyses. Provides expertise and support in conducting a full range of investment analyses activities, including market surveys, cost analyses, benefits analyses, risk analyses, economic analyses, requirements definitions, schedule development, and tradeoff studies. Supports architecture efforts including economic analyses of architecture alternatives, architecture issues resolutions, and affordability analyses. Conducts analytical studies involving complex technical analyses, schedule constraints, and system benefits and system cost factors. Identifies cost accounting or financial problems and recommends solutions. Presents plans, analyses, and other advice within functional areas.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of eight (8) years relevant experience as a cost analyst or involved in analysis in business-related subject areas such as accounting, finance or economics.

IT Financial Analyst 2

Duties: Defines government financial business practices and Electronic Commerce/Electronic Data Interchange (EC/EDI) opportunities, and incorporate the defined processes into an automated solution that includes relational databases and distributed systems for integration into the government financial business system. Identifies potential problems and solutions through analysis identifying recommended solutions. Works with functional specialists, automation specialists, Master Contractors, vendors, and customers to effectively automate the customer's requirements into an automated application. Acts as a focal point to coordinate all disciplines in the recommended solution. Communicates with both IT and financial oriented individuals to document the flow, recommend opportunities, impact recommendations, and serve as the liaison between the financial specialist and automation specialist that do not have both disciplines. Applies state-of-the-art applications that will effectively automate financial applications in the most effective manner while adhering to the established Accounting Principles and Practices.

Education: Bachelor's Degree from an accredited college or university with a major in Finance, Business, or other related technical discipline.

Experience: Must have a minimum a minimum of five (5) years of financial management (accounting, finance or economics) experience.

IT Professional 2

Duties: Identifies strategic issues for the Information Management Department and advises IT Senior Management of the risks and/or opportunities created by these issues. Issues will be centered on IT measurements and IT project management. IT measurements will encompass the refining or creating of measures related to value creation of IT products and services. Project Management will include presenting recommendations on ways of managing projects more effectively (including, but not limited to: appropriate methodology and quality reviews) Accountabilities include coordinating input from various IT departments to develop recommendations, conducting analyses of issues and ensuring adequate communication of the endorsed positions and recommendations to stakeholders.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of eight (8) years of relevant industry experience in the discipline required.

IT Security Engineer

Duties: Analyzes and defines security requirements for information protection. Defines and develops security policies. Analyzes the sensitivity of information, performs vulnerability and risk assessments on the basis of defined sensitivity and information flow.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of eight (8) years of experience in information protection.

IT Systems Administrator

Duties: Monitor and coordinate all data system operations, including security procedures, and liaison with end users. Ensure that necessary system backups are performed and storage and rotation of backups is accomplished. Monitor

and maintain records of system performance and capacity to arrange vendor services or other actions for reconfiguration and anticipate requirements for system expansion. Assist managers to monitor and comply with State data security requirements. Coordinate software development, user training, network management and minor installation and repair of equipment.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of two (2) years of experience in a computer-related field.

IT Testing Specialist

Duties: Designs and executes IT software tests and evaluates results to ensure compliance with applicable regulations. Prepares test scripts and all required test documentation. Designs and prepares all needed test data. Analyzes internal security within systems. Reviews test results and evaluates for conformance to design.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of four (4) years of experience in computer software development.

IT Training Specialist/Instructor

Duties: Conducts the research necessary to develop and revise training courses and prepares appropriate training catalogs. Prepares all instructor materials (course outline, background material, and training aids). Prepares all student materials (course manuals, workbooks, handouts, completion certificates, and course critique forms). Trains personnel by conducting formal classroom courses, workshops, and seminars.

Education: A Bachelor's Degree from an accredited college or university with a major in Education/ Training in the areas of Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of four (4) years of experience in information systems development, training, or related fields.

Market Research IT Consultant 2

Duties: Develops marketing and promotion strategies and tactics. Evaluates concepts for advertising campaigns. Develops and manages qualitative market research studies and develops reports. Analyses web site traffic and develops quantitative reports. Reviews marketing campaigns and their impact on web site audience behavior. Develops online survey questionnaires and launches surveys. Performs statistical analyses of responses to online surveys. Conducts various Internet analyses. Develops methodologies for optimum study results.

Education: Bachelor's Degree from an accredited college or university in Marketing, Business, or Statistics.

Experience: Must have a minimum of eight (8) years of experience in marketing research or IT communications related field.

Marketing IT Consultant 2

Duties: Develops marketing strategies for publications of State agencies' technology results and achievements. Develops marketing plans and recommends marketing strategies and measurements for the success of the marketing strategies. Provides survey results for State agencies on IT topics, completes applications for IT awards and develops periodic reports of IT accomplishments, including annual reports or other marketing-related documents.

Education: Bachelor's Degree from an accredited college or university in Marketing, Business, Communications or other related discipline.

Experience: Must have a minimum of eight (8) years of experience in marketing or IT communications related field.

Network Administrator

Duties: Performs a variety of network management functions related to the operation, performance or availability of data communications networks. Experience with cable/LAN meters, protocol analyzers, SNMP and RMON based software products. Knowledge of Ethernet, FDDI and high-speed WANs and routers. Analyze client LANs/WANs, isolate source of problems, and recommend reconfiguration and implementation of new network hardware to increase performance. Advanced knowledge of network operating systems. Modifies command language programs,

network start up files, assigns/reassigns network device logicals, participates in load balancing efforts throughout the network to achieve optimum device utilization and performance. Establishes new user accounts on the network granting access to required network files and programs. Manages network Email functions. Establishes mailboxes and monitors mail performance on the network. Troubleshoots network/user problems, presents resolutions for implementation. Prepares a variety of network resource reports.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of two (2) years of experience in a computer-related field.

Network Engineer 2

Duties: Perform similar duties as directed or instructed by the senior network engineer. Conduct studies pertaining to network configuration and monitor traffic patterns such as protocols and peak usage. Stays current with technological changes.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of five (5) years of experience in a computer-related field.

Network Engineer 3

Duties: Responsible for the design and implementation of large data communications or telecommunications networks. Plans and monitors the installation of communications circuits. Manage and monitor local area networks and associated equipment (e.g., bridges, routers, modem pools, and gateways) Conducts short and long-term plan to meet c communications requirements. Responsible for the design and implementation of LANs/WANs using hub switching and router technology. Performs hardware/software analyses to provide comparative data of performance characteristics and suitability within the existing systems environment. Prepares tradeoff studies and evaluations for vendor equipment. Generates network monitoring/performance report, for LAN/WAN utilization studies.

Recommends network design changes/enhancements for improved system availability and performance.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of nine (9) years of experience in a computer-related field.

Network Manager

Duties: Performs a variety of network management functions in support of MIS services related to the operation, performance, or availability of data communications networks. Modifies command language programs, network start up files, assigns/re-assigns network device logical, analyzes network performance and recommends adjustments to wide variety of complex network management functions with responsibility for overall performance and availability of networks. LAN/WAN consultant skilled in network analysis, integration and tuning. Experience with cable/LAN meters, protocol analyzers, Simple Network Management Protocol (SNMP) and Remote Monitoring (RMON) based software products.

Knowledge of Ethernet, FDDI and high-speed WANs, routers, bridges, and switches. Analyze client LANs/WANs, isolate source of problems, and recommend reconfiguration and implementation of new network hardware to increase performance. Working knowledge of network operating systems. Conducts load balancing efforts to achieve optimum device utilization and network performance. Manages network Email functions. Establishes mailboxes and monitors mail performance on the network. Coordinates with communications engineering to resolve hardware problems. Works with customer and operations staff in scheduling preventative and emergency maintenance activities.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of twelve (12) years of experience in a computer-related field.

Network Security Engineer 2

Duties: Designs, develops, engineers, and implements solutions for projects such as biometrics, smart cards, Secure remote access, VPN, Intrusion detection, port scanning, web security and vulnerability assessments and remediation.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of eight (8) years of experience in a computer-related field.

Network Technician 2

Duties: Perform similar duties as directed or instructed by the senior network engineer. Adds or exchanges externally connected PC accessories and data communications equipment including cables, boards, batteries, disks drives, and other PC components. Attaches, detaches, or exchanges LAN cabling to workstations, servers, network devices, telecommunications and data communications equipment.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of three (3) years of experience in a computer-related field.

Network Technician 3

Duties: Adds or exchanges externally connected PC accessories and data communications equipment. Troubleshoots LANs/WANs and provides problem resolution for PC and data communications hardware. Adds or replaces boards, batteries, disks drives, and other PC components. Installs cabling for networks such as LANs and WANs. Attaches, detaches, or exchanges LAN cabling to workstations, servers, network devices, telecommunications and data communications equipment. Works independently, may provide supervision and guidance to two (2) or more network technicians.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of seven (7) years of experience in a computer-related field.

Office Automation Specialist

Duties: Specialized data entry work, operating specialized data entry equipment in a high production and closely monitored work environment. Responsible for key entering data from a variety of source documents with specific standards maintained for speed and accuracy.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of five (5) years of experience data entry work and equipment.

Operations Research Analyst 2

Duties: Conducts investment analyses or other complex operational analyses. Provides expertise and supports evaluations of program results and potential changes to program results related to IT investments along with an analysis and presentations of alternatives. Provides operational analyses support to all phases of the life cycle of an information system. Conducts operational analyses of existing systems using performance measures, criteria, and standards to determine requirements for needed changes. Evaluates, selects, and uses the tools of modern operations research (such as commercially available decision and analytical support software tools) to conduct analyses of projected changes to system or program performance. Supports architecture efforts including economic analyses of architecture alternatives, architecture issues resolutions, and affordability analyses.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of eight (8) years of experience in operations research.

Program Manager

Duties: Performs day-to-day management of overall IT contract operations, supporting multiple IT projects and groups of contractor personnel at multiple locations. Directs and coordinates the planning and execution of all IT contract support activities.

Education: Bachelor's Degree from an accredited college or university in a related field.

Experience: Must have a minimum of ten (10) years of experience in a computer-related field.

Project Control Specialist

Duties: Monitors financial and/or administrative aspects of assigned Contracts and deliverables. Tracks and validates all client financial information, establishes and maintains master Contract files, prepares and monitors status of all deliverables and tracks the value of Contracts. Uses automated systems to track deliverables, financial transactions, and management information.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of three (3) years of experience working with monitoring systems.

Project Manager

Duties: Manages IT project operations. Ensures production schedules are met. Ensures system resources are used effectively. Coordinates the resolution of production-related problems. Ensures proper relationships are established between customers, teaming partners, and vendors to facilitate the delivery of information technology services.

Education: Bachelor's Degree from an accredited college or university in a related field.

Experience: Must have a minimum of ten (3) years of experience in a computer-related field.

Quality Assurance Consultant 2

Duties: Provides quality management for information systems using the standard methodologies, techniques, and metrics for assuring product quality and key activities in quality management.

Establish capable processes, monitoring and control of critical processes and product mechanisms for feedback of performance, implementation of an effective root cause analysis and corrective action system, and continuous process improvement. Provides strategic quality plans in targeted areas of the organization. Provides QA strategies to ensure continuous production of products consistent with established industry standards, government regulations and customer requirements. Develops and implements life cycle and QA methodologies and educates, and implements QA metrics.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of eight (8) years information systems quality assurance experience.

Quality Assurance Manager

Duties: Must be capable of maintaining and establishing a process for evaluating software and associated documentation. Must be able to determine the resources required for quality control. Must be able to maintain the level of quality throughout the software life cycle. Develops software quality assurance plans. Conducts formal and informal reviews at predetermined points throughout the development life cycle.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of six (6) years of experience in quality assurance and quality control.

Quality Assurance Specialist

Duties: Must be able to determine the resources required for quality control. Must be able to maintain the level of quality throughout the software life cycle. Develops software quality assurance plans. Must be capable of maintaining and establishing a process for evaluating software and associated documentation. Participates in formal and informal reviews at predetermined points throughout the development life cycle to determine quality. Examines and evaluates the software quality assurance (SQA) process and recommends enhancements and modifications. Develops quality standards.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of five (5) years of experience working with quality control methods and tools.

Research Analyst

Duties: Analyzes existing and potential product and service information, prospective customers and markets.

Collates information into meaningful reports and presentation material. Maintains any technical information in a systems library.

Education: Associate's Degree.

Experience: Must have a minimum of one (1) year of work experience in a business environment.

Risk Assessment Consultant 2

Duties: Manages the identification and reporting on risk assessments and updates evaluations in order to determine and forecast operational needs and changes. Provides presentations on reporting and operational enhancements and metrics with special focus on variance analysis.

Establish risk management policies and procedures, and guidelines on risk limits. Provides fraud expertise on services to internal and external customers. Develops system enhancements and meaningful reporting and operational management reporting tools and web-based tools and programs to manage, prevent, and mitigate risks. Identifies problems and recommends solutions to risk assessments.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of ten (10) years of risk assessment experience.

Software Engineer 1

Duties: Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions. Documents and demonstrates solutions by developing documentation, flowcharts, layouts, diagrams, charts, code comments and clear code. Prepares and installs solutions by determining and designing system specifications, standards, and programming.

Education: Bachelor's Degree from an accredited college or university in a related field.

Experience: Must have a minimum of two (2) years of experience in related area.

Software/Integration Computer Analyst 2

Duties: Must be knowledgeable in implementing computer systems in a phased approach of requirements analysis and conceptual design, site survey, system design review, critical design review, installation, integration, and testing. Must be knowledgeable in performing requirements analysis for a wide range of users in areas such as office automation, and finance and accounting. Must be able to present system designs for user approval at formal reviews. Must be capable of performing configuration management, software integration, interpreting software test results, and recommending solutions for unsatisfactory test results. Must be knowledgeable in life-cycle support, including maintenance, administration, and management. Must be able to provide solutions to identified software problem reports.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of eight (8) years of progressive working experience as a computer specialist or a computer systems analyst.

Subject Matter Expert 1

Duties: Defines the problems and analyzes and develops plans and requirements in the subject matter area for moderately complex-to-complex systems. Coordinates and manages the preparation of analysis, evaluations, and recommendations for proper implementation of programs and systems specifications including, but not limited to: information technology, health care, education, public safety, social services, human resources, transportation, and environment.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of seven (7) years of experience in the IT field.

Subject Matter Expert (SME)

Duties: Provides expert support, analysis and research into exceptionally complex problems, and processes relating to the subject matter. Serves as technical expert on executive-level project teams providing technical direction,

interpretation and alternatives. Expertise is in a particular area of Information Technology.

Education: A Master's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of ten (10) years of experience in the IT field.

Systems Analyst 2

Duties: Serves as a computer systems expert on assignments that typically involve establishing automated systems, where concern is with overall life cycle structure; and conducts feasibility studies from design, implementation and post-implementation evaluation from a number of possible approaches. Design criteria must be established to accommodate changes in legislation, mission, or functional program requirements.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of eight (8) years of experience in information technology systems analysis.

Systems Architect 2

Duties: Responsible for developing business, data, systems, and infrastructure models to develop enterprise architectures. Develops plans for migrating architectures. Develops technical reference models to include hardware/software standards. Engineer's integrated hardware and software solutions to meet mission requirements.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of five (5) years of experience planning, designing, building, and implementing IT systems.

Systems Design Architect

Duties: Must be able to lead team in developing application, development, network, and technical architectures for mid-range client/server and mainframe applications. Responsible for gathering and defining the architecture requirements and for ensuring that the architectures are compatible and in compliance with the appropriate IT organization and project standards.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of six (6) years of experience planning, designing, building, and implementing mid-range IT systems.

Systems Design Engineer 2

Duties: Must be able to perform design of information systems, including the design of the application architecture, database, and interfaces. Responsible for gathering and analyzing user requirements and translating them into system designs.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of six (6) years of experience planning, designing, building, and implementing IT systems.

Systems Engineer 1

Duties: Analyzes information technology requirements. Evaluates IT system problems of workflow, organization, and planning. Develops appropriate corrective action.

Education: A Bachelor's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of ten (10) years of experience in the IT field.

Systems Engineer 2

Duties: Analyzes information requirements. Evaluates problems in work flow, organization, and planning. Develops appropriate corrective action. Provides daily supervision and direction to staff.

Education: A Bachelor's Degree from an accredited college or university with a major in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of five (5) years of experience in the IT field.

Systems Engineer 3

Duties: Must be able to analyze information requirements. Must be able to evaluate problems in workflow, organization, and planning. Develops appropriate corrective action. Provides daily supervision and direction to staff.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of six (6) years of experience in systems engineering.

System Security Research Analyst

Duties: Gathers, analyzes, and composes technical information. Conducts research in one or more security disciplines and ensures the use of proper technical terminology. Translates technical information into clear, readable documents to be used by technical and non-technical personnel.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of two (2) years of system security experience is required.

Systems Security Specialist 2

Duties: Analyzes and defines security requirements for Multilevel Security (MLS) issues. Designs, develops, engineers, and implements solutions to MLS requirements. Responsible for the implementation and development of the MLS. Gathers and organizes technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the MLS arena. Performs risk analyses, which also include risk assessment. Provides daily supervision and direction to staff.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of eight (8) years of experience in analysis and definition of security requirements.

System Security Specialist 3

Duties: Provides expert-level advice, analysis, and functional expertise to tasks. Demonstrates exceptional oral and written communication skills. Reviews requirements and task documentation for accuracy and applicability.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of twelve (12) years of experience in system security.

Technical Editor

Duties: Assists in collecting and organizing information for preparation of user manuals, training materials, installation guides, proposals, and reports. Edits functional descriptions, system specifications, user manuals, special reports, or any other customer deliverables and documents. Conducts research and ensures the use of proper technical terminology. Translates technical information into clear, readable documents to be used by technical and non-technical personnel. For applications built to run in a Windows environment, uses the standard help compiler to prepare all on-line documentation. Assists in performing financial and administrative functions. Must demonstrate the ability to work independently or under only general direction.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of four (4) years of experience in this area.

Tech Writer 2

Duties: Assists in collecting and organizing information for preparation of IT user manuals, IT training materials, IT installation guides, IT proposals, and IT related reports. Edits functional descriptions, system specifications, user

manuals, special reports, and any other customer deliverables and documents. Assists in performing financial and administrative functions. Must demonstrate the ability to work independently or under only general direction.

Education: Bachelor's Degree in a related field.

Experience Must have a minimum of two (2) years of experience in this area.

Telecommunications Consultant 2

Duties: Identifies problems and recommends solutions for telecommunications organizations. Performs process and data modeling in support of the planning and analyses for using automated tools. Evaluates controls and makes recommendations. Provides planning, analyses, strategic planning, design, development, implementation and post-implementation for telecommunications projects.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of ten (10) years of telecommunications experience.

Telecommunications Engineer 1

Duties: Responsible for engineering and/or analytical tasks and activities associated with technical areas within the telecom function (e.g., network design, engineering, implementation, diagnostics or operations/user support). Performs complex tasks relating to network monitoring, operations, installation, and/or maintenance for local, off-site, and/or remote locations. The scope of responsibility for this position includes, but is not limited to, the configuration, deployment, testing, maintenance, monitoring, and trouble-shooting of network components to provide a secure, high performance network. Duties also entail quality assurance and testing of transmission mediums and infrastructure components.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of three (3) years of IT work experience.

Telecommunications Engineer 3

Duties: Provides engineering and technical support for Statewide telecommunications projects and services. Provides designs and applications to insure overall technical integrity. Provides high-level planning for the systems used by telecommunications organizations. Performs process and data modeling for the planning and analyses of automated tools. Provides technical expertise and guidance in engineering techniques and automated support tools. Provides assistance with planning, design, cost/benefit analyses, assessment of configurations and performance measurements, development, implementation and recommendations for staffing levels for telecommunications systems and processes.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of ten (10) years of telecommunications experience.

Telecommunications Systems Analyst

Duties: Must be capable of planning, analysis, design, development, and maintenance of operations support systems used by telecommunications organizations. Must be capable of performing business systems planning, information planning, and analysis in support of telecommunications support functions, including billing, trouble ticket management, service order entry, and/or configuration management.

Performs process and data modeling in support of the planning and analysis efforts using both manual and automated tools. Provides technical guidance in software engineering techniques and automated support tools.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of five (5) years of experience in engineering, systems analysis, design and programming.

Wireless Systems Analyst 2

Duties: Define and develop Key Performance Indicators to measure Quality of Service of wireless voice & data

services and end-to-end applications that run on top of wireless data bearers. Design and develop post-processing engines that extract and transform raw low-level performance data into aggregate metrics; automate and parameterize the process for large scale processing in an efficient and timely manner; build-in QC check-points for end-to-end quality verification. Analyze, trouble-shoot, and investigate normal and abnormal use-cases for voice and data services; trace anomalies to corresponding impact on key metrics.

Education: A Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline.

Experience: Must have a minimum of four (4) years of direct experience in development for wireless devices or wireless network equipment is required.

TERMS AND CONDITIONS APPLICABLE TO HEALTH INFORMATION TECHNOLOGY (IT) SERVICES (SPECIAL ITEM NUMBER 132-56)

****NOTE: All non-professional labor categories must be incidental to, and used solely to support professional services, and cannot be purchased separately. Vendor suitability for offering services through the new Health IT SIN must be in accordance with the following laws and standards when applicable to the specific task orders, including but not limited to:

- Health Information Technology for Economic and Clinical Health Act of 2009 (HITECH)
- The Health Insurance Portability and Accountability Act of 1996 (HIPAA)
- National Institute of Standards and Technology (NIST) Federal Information Processing Standards (FIPS) and Special Publications
- Federal Information Security Management Act (FISMA) of 2002

17. SIN 132-56 SCOPE

- (a) The labor categories, prices, terms and conditions stated under Special Item Number 132-56 Health Information Technology Services apply exclusively to Health IT Services within the scope of this Information Technology Schedule.
- (b) This SIN is limited to Health IT Services only. Software and hardware products are out of scope. Hardware and software can be acquired through different Special Item Numbers on IT Schedule 70 (e.g. 132-32, 132-33, 132-8).
- (c) This SIN provides ordering activities with access to Health IT services.
- (d) Health IT Services provided under this SIN shall comply with all Healthcare certifications and industry standards as applicable at the task order level.
- (e) The Contractor shall provide services at the Contractor's facility and/or at the ordering activity location, as agreed to by the Contractor and the ordering activity.

18. SIN 132-56 ORDER

- (a) Agencies may use written orders, Electronic Data Interchange (EDI) orders, Blanket Purchase Agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.
- (b) All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

19. SIN 132-56 PERFORMANCE OF SERVICES

- (a) The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity. All Contracts will be fully funded.
- (b) The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.
- (c) The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.
- (d) Any Contractor travel required in the performance of Health IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel. Contractors cannot use GSA city pair contracts. All travel will be agreed upon with the client prior to the Contractor's travel.

20. SIN 132-56 INSPECTION OF SERVICES

In accordance with FAR 52.212-4 CONTRACT TERMS AND CONDITIONS--COMMERCIAL ITEMS (MAR 2009) (DEVIATION I - FEB 2007) for Firm-Fixed Price orders and FAR 52.212-4 CONTRACT TERMS AND CONDITIONS --COMMERCIAL ITEMS (MAR 2009) (ALTERNATE I – OCT 2008) (DEVIATION I – FEB 2007) applies to Time-and-

Materials and Labor-Hour Contracts orders placed under this contract.

21. SIN 132-56 RESPONSIBILITIES OF THE CONTRACTOR

The Contractor shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 (Dec 2007) Rights in Data – General, may apply.

22. SIN 132-56 RESPONSIBILITIES OF THE ORDERING ACTIVITY

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

23. SIN 132-56 INDEPENDENT CONTRACTOR

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

24. SIN 132-56 ORGANIZATIONAL CONFLICTS OF INTEREST

(a) Definitions.

- a. "Contractor" means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.
- b. "Contractor and its affiliates" and "Contractor or its affiliates" refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.
- c. An "Organizational conflict of interest" exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either (i) result in an unfair competitive advantage to the Contractor or its affiliates or (ii) impair the Contractor's or its affiliates' objectivity in +
- d. The Contractor, upon completion of the work ordered, shall submit invoices for Health IT Professional services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be based upon completion of defined milestones or interim products. Invoices shall be submitted monthly for recurring services performed during the preceding month.

25. SIN 132-56 RESUMES

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity upon request.

26. SIN 132-56 INCIDENTAL SUPPORT COSTS

Incidental support costs are not considered part of the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

27. SIN 132-56 APPROVAL OF SUBCONTRACTS

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

28. SIN 132-56 DESCRIPTION OF HEALTH IT SERVICES AND PRICING

- (a) The Contractor shall provide a description of each type of Health IT Service offered under Special Item Numbers 132-56 Health IT Services and it should be presented in the same manner as the Contractor sells to its commercial and other ordering activity customers. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles (labor categories) for those individuals who will perform the service should be provided.
- (b) Pricing for all Health IT Services shall be in accordance with the Contractor's customary commercial practices; e.g., hourly rates, monthly rates, term rates, and/or fixed prices, minimum general experience and minimum education.

Health IT Professional Labor Categories (132-56) - Health IT Professionals are qualified based on education and or experience and have special expertise in Health Care IT

Health IT Technical Writer 1

Duties: Assists in collecting and organizing information for preparation of Health IT related user manuals, training materials, installation guides, proposals, and reports. Edits functional descriptions, system specifications, user manuals, special reports, and any other customer deliverables and documents. Assists in performing financial and administrative functions. Must demonstrate the ability to work independently or under only general direction.

Education: A Bachelor's degree in Electrical Engineering, Computer Science, or related discipline is required.

Experience: Must have a minimum of one (1) year of direct experience.

Health Software Engineer 1

Duties: Determines operational feasibility by evaluating analysis, problem definition, requirements, solution development, and proposed solutions. Documents and demonstrates solutions by developing documentation, flowcharts, layouts, diagrams, charts, code comments and clear code. Prepares and installs solutions by determining and designing system specifications, standards, and programming. Possesses knowledge of health applications and software or programming languages such as MUMPS.

Education: A Bachelor's degree.

Experience: Must have a minimum of three (3) years of direct experience.

Health Software Engineer 2

Duties: Leads team for design, implementation, and integration of software or independently performs complex software development tasks. Ensures efficient delivery of contract capabilities using industry standards and repeatable processes. Possesses knowledge of health applications and software or programming languages such as MUMPS.

Education: A Bachelor's degree.

Experience: Must have a minimum of six (6) years of direct experience.

Health Systems Engineer 1

Duties: Analyzes health information technology requirements. Evaluates health IT system problems of workflow, organization, and planning. Develops appropriate corrective action.

Education: A Bachelor's degree.

Experience: Must have a minimum of four (1) year of direct experience.

29. GSA PRICE LIST

SIN	Labor Category	GSA Price 10/28/17-10/27/18	GSA Price 10/28/18-10/27/19	GSA Price 10/28/19-10/27/20	GSA Price 10/28/20-10/27/21
132-100	Computer Operations Research Analyst	\$57.59	\$58.69	\$59.80	\$60.94
132-100	Computer Operator 2	\$48.97	\$49.90	\$50.85	\$51.81
132-100	Computer Operator 3	\$63.82	\$65.04	\$66.27	\$67.53
132-100	Distribution Operations Specialist 2	\$28.94	\$29.49	\$30.05	\$30.62
132-100	Distribution Operations Specialist 3	\$32.93	\$33.55	\$34.19	\$34.84
132-100	Distribution Operations Specialist 4	\$40.63	\$41.40	\$42.19	\$42.99
132-100	Research Analyst	\$99.24	\$101.13	\$103.05	\$105.01
132-51	Advanced Tech Application Developer 1	\$101.19	\$103.11	\$105.07	\$107.07
132-51	Advanced Technology Application Developer 2	\$148.56	\$151.39	\$154.26	\$157.19
132-51	Analyst 2	\$84.11	\$85.71	\$87.34	\$89.00
132-51	Application Architect 2	\$162.24	\$165.33	\$168.47	\$171.67
132-51	Application Developer 1	\$106.19	\$108.20	\$110.26	\$112.35
132-51	Application Developer 2	\$124.78	\$127.16	\$129.57	\$132.03

SIN	Labor Category	GSA Price 10/28/17-10/27/18	GSA Price 10/28/18-10/27/19	GSA Price 10/28/19-10/27/20	GSA Price 10/28/20-10/27/21
132-51	Application Programmer 1	\$80.90	\$82.44	\$84.01	\$85.60
132-51	Application Programmer 2	\$85.96	\$87.59	\$89.26	\$90.95
132-51	Applications Development Expert	\$173.68	\$176.98	\$180.34	\$183.77
132-51	Business Process Consultant 2	\$119.09	\$121.36	\$123.66	\$126.01
132-51	Computer Graphics Illustrator	\$82.02	\$83.57	\$85.16	\$86.78
132-51	Computer Operations Center Specialist	\$82.74	\$84.31	\$85.92	\$87.55
132-51	Computer Programmer 3	\$122.85	\$125.18	\$127.56	\$129.99
132-51	Computer Specialist 1	\$99.01	\$100.89	\$102.81	\$104.76
132-51	Computer Specialist 2	\$138.94	\$141.58	\$144.27	\$147.01
132-51	Computer Systems Analyst 1	\$99.24	\$101.13	\$103.05	\$105.01
132-51	Computer Systems Analyst 2	\$106.34	\$108.36	\$110.42	\$112.52
132-51	Computer Systems Programmer 1	\$92.46	\$94.22	\$96.01	\$97.83
132-51	Computer Systems Programmer 2	\$94.47	\$96.26	\$98.09	\$99.95
132-51	Computer Systems Programmer 3	\$83.75	\$85.34	\$86.96	\$88.61
132-51	Computer Systems Security Specialist	\$128.69	\$131.14	\$133.63	\$136.17
132-51	Data Security Specialist	\$98.76	\$100.64	\$102.55	\$104.50
132-51	Database Management Specialist 1	\$98.73	\$100.60	\$102.51	\$104.46
132-51	Database Management Specialist 2	\$156.02	\$158.99	\$162.01	\$165.09
132-51	Database Manager	\$124.26	\$126.62	\$129.03	\$131.48
132-51	Documentation Specialist	\$59.41	\$60.54	\$61.69	\$62.86
132-51	GeoSpatial Web Developer 2	\$90.97	\$92.70	\$94.46	\$96.25
132-51	GeoSpatial Web Developer 3	\$124.36	\$126.73	\$129.13	\$131.59
132-51	Help Desk Manager	\$154.51	\$157.45	\$160.44	\$163.49
132-51	Help Desk Specialist 2	\$69.93	\$71.26	\$72.61	\$73.99
132-51	Help Desk Specialist 3	\$81.28	\$82.83	\$84.40	\$86.00
132-51	Information Technology Architect 2	\$168.64	\$171.84	\$175.11	\$178.43
132-51	Information Technology Planner 2	\$134.58	\$137.13	\$139.74	\$142.39
132-51	Interdisciplinary Engineer 1	\$84.96	\$86.58	\$88.22	\$89.90
132-51	Interdisciplinary Engineer 2	\$119.90	\$122.18	\$124.50	\$126.86
132-51	Internet/Intranet Site Developer 1	\$98.88	\$100.76	\$102.67	\$104.62
132-51	Internet/Intranet Site Developer 2	\$129.50	\$131.96	\$134.47	\$137.03
132-51	Internet/Web Architect	\$144.22	\$146.96	\$149.75	\$152.60
132-51	IT Cost Accountant 2	\$64.99	\$66.22	\$67.48	\$68.76
132-51	IT Financial Analyst 2	\$64.99	\$66.22	\$67.48	\$68.76
132-51	IT Professional 2	\$147.83	\$150.64	\$153.50	\$156.42
132-51	IT Security Engineer	\$120.16	\$122.44	\$124.76	\$127.13
132-51	IT Systems Administrator	\$98.86	\$100.74	\$102.65	\$104.60
132-51	IT Testing Specialist	\$106.33	\$108.35	\$110.41	\$112.51
132-51	IT Training Specialist/Instructor	\$98.81	\$100.68	\$102.60	\$104.55
132-51	Market Research IT Consultant 2	\$58.47	\$59.58	\$60.71	\$61.87
132-51	Marketing IT Consultant 2	\$58.47	\$59.58	\$60.71	\$61.87
132-51	Network Administrator	\$71.17	\$72.52	\$73.90	\$75.30
132-51	Network Engineer 2	\$84.95	\$86.57	\$88.21	\$89.89
132-51	Network Engineer 3	\$147.09	\$149.88	\$152.73	\$155.63
132-51	Network Manager	\$134.58	\$137.13	\$139.74	\$142.39
132-51	Network Security Engineer 2	\$109.46	\$111.54	\$113.66	\$115.82

SIN	Labor Category	GSA Price 10/28/17-10/27/18	GSA Price 10/28/18-10/27/19	GSA Price 10/28/19-10/27/20	GSA Price 10/28/20-10/27/21
132-51	Network Technician 2	\$71.57	\$72.93	\$74.31	\$75.72
132-51	Network Technician 3	\$79.83	\$81.35	\$82.90	\$84.47
132-51	Office Automation Specialist	\$67.52	\$68.80	\$70.11	\$71.44
132-51	Operations Research Analyst 2	\$84.02	\$85.62	\$87.24	\$88.90
132-51	Program Manager	\$174.93	\$178.26	\$181.65	\$185.10
132-51	Project Control Specialist	\$84.45	\$86.05	\$87.69	\$89.35
132-51	Project Manager	\$121.64	\$123.95	\$126.31	\$128.71
132-51	Quality Assurance Consultant 2	\$138.94	\$141.58	\$144.27	\$147.01
132-51	Quality Assurance Manager	\$110.48	\$112.58	\$114.72	\$116.90
132-51	Quality Assurance Specialist	\$84.45	\$86.05	\$87.69	\$89.35
132-51	Risk Assessment Consultant 2	\$118.94	\$121.20	\$123.50	\$125.85
132-51	Software Engineer 1	\$101.14	\$103.06	\$105.02	\$107.02
132-51	Software/Integration Computer Analyst 2	\$137.98	\$140.60	\$143.27	\$145.99
132-51	Subject Matter Expert (SME)	\$207.41	\$211.35	\$215.36	\$219.46
132-51	Subject Matter Expert 1	\$173.30	\$176.59	\$179.95	\$183.37
132-51	System Security Research Analyst	\$68.80	\$70.10	\$71.44	\$72.79
132-51	Systems Analyst 2	\$99.96	\$101.86	\$103.79	\$105.77
132-51	Systems Architect 2	\$127.63	\$130.05	\$132.52	\$135.04
132-51	Systems Design Architect	\$114.75	\$116.93	\$119.15	\$121.41
132-51	Systems Design Engineer 2	\$129.39	\$131.85	\$134.36	\$136.91
132-51	Systems Engineer 1	\$64.88	\$66.12	\$67.37	\$68.65
132-51	Systems Engineer 2	\$93.04	\$94.81	\$96.61	\$98.44
132-51	Systems Engineer 3	\$124.89	\$127.26	\$129.68	\$132.14
132-51	Systems Security Specialist 2	\$94.34	\$96.13	\$97.96	\$99.82
132-51	Systems Security Specialist 3	\$118.45	\$120.70	\$122.99	\$125.33
132-51	Tech Writer 2	\$68.77	\$70.07	\$71.41	\$72.76
132-51	Technical Editor	\$124.26	\$126.62	\$129.03	\$131.48
132-51	Telecommunications Consultant 2	\$109.66	\$111.75	\$113.87	\$116.04
132-51	Telecommunications Engineer 1	\$100.37	\$102.28	\$104.22	\$106.20
132-51	Telecommunications Engineer 3	\$112.49	\$114.63	\$116.81	\$119.03
132-51	Telecommunications Systems Analyst	\$85.75	\$87.38	\$89.04	\$90.73
132-51	Wireless Systems Analyst 2	\$93.08	\$94.85	\$96.65	\$98.49
132-56	Health IT Technical Writer 1	\$42.08	\$42.88	\$43.69	\$44.52
132-56	Health Software Engineer 1	\$86.19	\$87.83	\$89.50	\$91.20
132-56	Health Software Engineer 2	\$96.32	\$98.15	\$100.01	\$101.92
132-56	Health Systems Engineer 1	\$66.34	\$67.60	\$68.88	\$70.19

30. CUSTOMER INFORMATION

1a. Table of Awarded Special Item Numbers (SINs)

<u>SIN</u>	<u>DESCRIPTION</u>
132-51	Information Technology (IT) Professional Services
132-56	Health Information Technology Services
132-100	Ancillary Supplies and/or Services

1b. Lowest Priced Model Number: Not Applicable

1b. Lowest Hourly Rate:

SIN	Description	Rate
132-51	Distribution Operations Specialist 2	\$28.94/Hour
132-56	Health IT Technical Writer	\$42.08/Hour
132-100	Distribution Operations Specialist	\$29.16/Hour

2. Maximum order: \$500,000.00

3. Minimum order: \$100.00

4. Geographic coverage (delivery area): domestic and overseas delivery.

5. Point(s) of production (city, county, and State or foreign country): Not applicable

6. Discount from list prices or statement of net price: Prices shown are NET prices, basic discounts have been deducted.

7. Quantity discounts: 0.5% for a single order greater than \$200,000.

8. Prompt payment terms: None

Note: Prompt payment terms must be followed by the statement "Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions."

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

9b. Government purchase cards are accepted.

10. Foreign items (list items by country of origin): Not Applicable

11a. Time of delivery: As agreed upon between the contractor and the ordering activity.

11b. Expedited Delivery: As agreed upon between the contractor and the ordering activity.

11c. Overnight and 2-day delivery: Not Applicable

11d. Urgent Requirements: When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering activity, ordering activities 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 activity, 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.: Destination

13a. Ordering address:

Blue Sky Innovative Solutions LLC
1025 Connecticut Avenue NW, Suite 1000
Washington, DC 20036

13b. Ordering procedures: Ordering activities shall use the ordering procedures of Federal Acquisition Regulation (FAR) 8.405 when placing an order or establishing a BPA for supplies or services. These procedures apply to all schedules.

- a. FAR 8.405-1 Ordering procedures for supplies, and services not requiring a statement of work.
- b. FAR 8.405-2 Ordering procedures for services requiring a statement of work.

14. Payment address:

Blue Sky Innovative Solutions LLC
1025 Connecticut Avenue NW, Suite 1000
Washington, DC 20036

15. Warranty provision: None

16. Export packing charges: Not Applicable

17. Terms and conditions of Government purchase card acceptance: None

18. Terms and conditions of rental, maintenance, and repair: Not Applicable

19. Terms and conditions of installation: Not Applicable

20. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices: Not Applicable

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

21. List of service and distribution points: Not Applicable

22. List of participating dealers: Not Applicable

23. Preventive maintenance: Not Applicable

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

24b. Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services. The EIT standards can be found at: www.Section508.gov/.

25. Data Universal Number System (DUNS) number: 078860721

26. Central Contractor Registration (CCR): 6X7E8

BPA NUMBER _____

**33. BLANKET PURCHASE AGREEMENT
(CUSTOMER NAME)**

Pursuant to GSA Federal Supply Schedule Contract Number(s) _____, Blanket Purchase Agreements, the Contractor agrees to the following terms of a Blanket Purchase Agreement (BPA) EXCLUSIVELY WITH (ordering activity):

(1) The following contract items can be ordered under this BPA. All orders placed against this BPA are subject to the terms and conditions of the contract, except as noted below:

MODEL NUMBER/PART NUMBER	*SPECIAL BPA DISCOUNT/PRICE
_____	_____
_____	_____
_____	_____

(2) Delivery:

DESTINATION	DELIVERY SCHEDULES / DATES
_____	_____
_____	_____
_____	_____

(3) The ordering activity estimates, but does not guarantee, that the volume of purchases through this agreement will be _____.

(4) This BPA does not obligate any funds.

(5) This BPA expires on _____ or at the end of the contract period, whichever is earlier.

(6) The following office(s) is hereby authorized to place orders under this BPA:

OFFICE	POINT OF CONTACT
_____	_____
_____	_____
_____	_____

(7) Orders will be placed against this BPA via Electronic Data Interchange (EDI), FAX, or paper.

(8) Unless otherwise agreed to, all deliveries under this BPA must be accompanied by delivery tickets or sales slips that must contain the following information as a minimum:

- (a) Name of Contractor;
- (b) Contract Number;
- (c) BPA Number;
- (d) Model Number or National Stock Number (NSN);
- (e) Purchase Order Number;
- (f) Date of Purchase;
- (g) Quantity, Unit Price, and Extension of Each Item (unit prices and extensions need not be shown when incompatible with the use of automated systems; provided, that the invoice is itemized to show the information); and
- (h) Date of Shipment.

(9) The requirements of a proper invoice are specified in the Federal Supply Schedule contract. Invoices will be submitted to the address specified within the purchase order transmission issued against this BPA.

(10) The terms and conditions included in this BPA apply to all purchases made pursuant to it. In the event of an inconsistency between the provisions of this BPA and the Contractor's invoice, the provisions of this BPA will take precedence.

34. BASIC GUIDELINES FOR USING “CONTRACTOR TEAM ARRANGEMENTS”

Federal Supply Schedule Contractors may use “Contractor Team Arrangements” (see FAR 9.6) to provide solutions when responding to a ordering activity requirements.

These Team Arrangements can be included under a Blanket Purchase Agreement (BPA). BPAs are permitted under all Federal Supply Schedule contracts.

Orders under a Team Arrangement are subject to terms and conditions of the Federal Supply Schedule Contract.

Participation in a Team Arrangement is limited to Federal Supply Schedule Contractors.

Customers should refer to FAR 9.6 for specific details on Team Arrangements.

Here is a general outline on how it works:

- The customer identifies their requirements.
- Federal Supply Schedule Contractors may individually meet the customer’s needs, or -
- Federal Supply Schedule Contractors may individually submit a Schedules “Team Solution” to meet the customer’s requirement.
- Customers make a best value selection.