



**AUTHORIZED FEDERAL SUPPLY SERVICE  
INFORMATION TECHNOLOGY SCHEDULE  
PRICELIST**

**MAS (Multiple Award Schedule)  
Information Technology - IT Services**

**SIN 54151S Information Technology Professional Services**

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

**Ventech, Inc.**  
**9701 Apollo Drive Suite 330**  
**Largo, MD 20774**  
<http://www.invtech-inc.com>

**Contract Number:** 47QTCA19D0012

**Period Covered:** 10/23/2018 Thru 10/22/2023

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## INFORMATION FOR ORDERING ACTIVITIES

### CUSTOMER INFORMATION:

1a. Awarded Special Item Number(s):

SIN	Description
54151S	INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract: **Not Applicable.**

1c. Descriptions of all corresponding commercial job titles with experience, functional responsibility and education. **Not applicable.**

2. Maximum Order: **\$500,000.00**

3. Minimum Order: **\$100.00**

4. Geographic Coverage: **48 contiguous States and the District of Columbia, Alaska, Hawaii, Puerto Rico, Washington, DC and US Territories.**

5. Point of Production: **Not Applicable**

6. Prices Shown Herein are Net: **(discount included)**

7. Quantity Discount: **None**

8. Prompt Payment Terms: **1% Net 15/Net 30**

9. Government Purchase Cards: **are accepted.**
10. Foreign Items: **Not Applicable**
11. Time of Delivery: **Negotiated at Task Order Level**
- 11b. Expedited Delivery: **Negotiated at Task Order Level**
- 11c. Overnight/2-Day Delivery: **Negotiated at Task Order Level**
- 11d. Urgent Requirements: **Agencies can contact the Contractor's representative to affect a faster delivery. Customers are encouraged to contact the contractor for the purpose of requesting accelerated delivery.**
12. FOB Point: **Destination**
13. **Ordering Address:**
- Ventech, Inc.  
9701 Apollo Dr Suite 330  
Largo MD 20774**
14. **Payment Address:**
- Ventech, Inc.  
9701 Apollo Dr Suite 330  
Largo MD 20774**
15. Warranty Provisions: **Standard Commercial Warranty**
16. Export Packing charges: **Not Applicable**
17. Terms and conditions of Government Purchase Card Acceptance: **Contact VENTECH, INC., for terms and conditions of Government Purchase Card acceptance above micro-purchase threshold.**
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: **Not applicable**

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

21. List of service and distribution points:

**Ventech, Inc.**  
**9701 Apollo Dr Suite 330**  
**Largo MD 20774**

22. List of participating dealers: **Not applicable**

23. Preventive maintenance: **Not applicable**

24a. Environmental attributes, e.g., recycled content, energy efficiency, and/or reduced pollutants: **Not applicable**

24b. Contact VENTECH, INC., for Section 508 compliance information. The EIT standards can be found at: <http://www.section508.gov>

25. DUNS Number: **078443122**

26. VENTECH, INC. is registered in the System for Award Management (SAM) database.

### PRICE LIST

SIN	Service Proposed (eg Job Title/Task)	Contractor or Customer Facility or Both	Unit of Issue (e.g. Hour, Daily Rate, Task, Sq Ft)	Price Offered to GSA
54151S	Project Manager	Both	Hour	\$92.82
54151S	Database Developer	Both	Hour	\$96.04
54151S	Software Tester	Both	Hour	\$70.11
54151S	Web Interface Developer	Both	Hour	\$99.88
54151S	Webmaster	Both	Hour	\$54.74
54151S	Application Developer	Both	Hour	\$62.38
54151S	Application Architect	Both	Hour	\$51.51
54151S	Application Architect Sr.	Both	Hour	\$82.59
54151S	Computer Programmer Sr	Both	Hour	\$80.27
54151S	Technical Writer	Both	Hour	\$46.10
54151S	System Engineer Sr	Both	Hour	\$86.46
54151S	Senior Program Manager	Contractor facility	Hour	\$178.19
54151S	Senior Business Intelligence Analyst	Contractor facility	Hour	\$141.86
54151S	Senior Computer and Information Systems Manager	Contractor facility	Hour	\$127.27
54151S	SME Computer and Information Systems Manager	Contractor facility	Hour	\$138.45
54151S	Senior Computer Hardware Engineer	Contractor facility	Hour	\$118.88
54151S	Senior Computer Network Architect	Contractor facility	Hour	\$122.48
54151S	Senior Computer Network Support Specialist	Contractor facility	Hour	\$111.65
54151S	Senior Computer Operator	Contractor facility	Hour	\$60.69
54151S	Senior Computer Programmer	Contractor facility	Hour	\$106.03
54151S	Senior Computer Systems Analyst	Contractor facility	Hour	\$106.18
54151S	Senior Computer Systems Engineer/Architect	Contractor facility	Hour	\$127.27
54151S	Senior Data Warehousing Specialist	Contractor facility	Hour	\$146.42
54151S	Senior Database Administrator	Contractor facility	Hour	\$118.48
54151S	Senior Database Architect	Contractor facility	Hour	\$121.46
54151S	Senior Information Security Analyst	Contractor facility	Hour	\$122.94

54151S	Senior Information Technology Project Manager	Contractor facility	Hour	\$120.40
54151S	Senior Network and Computer Systems Administrator	Contractor facility	Hour	\$103.18
54151S	Senior Software Developer, Applications	Contractor facility	Hour	\$148.40
54151S	Senior Software Developer, Systems Software	Contractor facility	Hour	\$127.53
54151S	Senior Software Quality Assurance Engineer and Tester	Contractor facility	Hour	\$99.16
54151S	Senior Technical Writer	Contractor facility	Hour	\$103.06
54151S	Senior Training and Development Specialist	Contractor facility	Hour	\$101.39
54151S	Business Process Reengineering Specialist Level II	Contractor facility	Hour	\$99.21
54151S	Computer Security Systems Specialist Level II	Contractor facility	Hour	\$123.75
54151S	Data Security Specialist	Contractor facility	Hour	\$107.12
54151S	Senior Project Manager	Contractor facility	Hour	\$127.40
54151S	Subject Matter Expert II	Contractor facility	Hour	\$169.07
54151S	System Administrator II	Contractor facility	Hour	\$103.30
54151S	Systems Programmer	Contractor facility	Hour	\$101.14
54151S	Web Content Administrator	Contractor facility	Hour	\$104.77
54151S	Senior Program Manager	Customer facility	Hour	\$168.30
54151S	Senior Business Intelligence Analyst	Customer facility	Hour	\$133.99
54151S	Senior Computer and Information Systems Manager	Customer facility	Hour	\$120.20
54151S	SME Computer and Information Systems Manager	Customer facility	Hour	\$130.76
54151S	Senior Computer Hardware Engineer	Customer facility	Hour	\$112.27
54151S	Senior Computer Network Architect	Customer facility	Hour	\$115.68
54151S	Senior Computer Network Support Specialist	Customer facility	Hour	\$105.43
54151S	Senior Computer Operator	Customer facility	Hour	\$57.31
54151S	Senior Computer Programmer	Customer facility	Hour	\$100.14
54151S	Senior Computer Systems	Customer facility	Hour	\$100.28

	Analyst			
54151S	Senior Computer Systems Engineer/Architect	Customer facility	Hour	\$120.20
54151S	Senior Data Warehousing Specialist	Customer facility	Hour	\$138.30
54151S	Senior Database Administrator	Customer facility	Hour	\$111.89
54151S	Senior Database Architect	Customer facility	Hour	\$114.72
54151S	Senior Information Security Analyst	Customer facility	Hour	\$116.08
54151S	Senior Information Technology Project Manager	Customer facility	Hour	\$113.70
54151S	Senior Network and Computer Systems Administrator	Customer facility	Hour	\$97.45
54151S	Senior Software Developer, Applications	Customer facility	Hour	\$140.16
54151S	Senior Software Developer, Systems Software	Customer facility	Hour	\$120.46
54151S	Senior Software Quality Assurance Engineer and Tester	Customer facility	Hour	\$93.66
54151S	Senior Technical Writer	Customer facility	Hour	\$97.32
54151S	Senior Training and Development Specialist	Customer facility	Hour	\$95.77
54151S	Business Process Reengineering Specialist Level II	Customer facility	Hour	\$92.72
54151S	Computer Security Systems Specialist Level II	Customer facility	Hour	\$115.66
54151S	Data Security Specialist	Customer facility	Hour	\$100.12
54151S	Senior Project Manager	Customer facility	Hour	\$119.06
54151S	Subject Matter Expert II	Customer facility	Hour	\$158.01
54151S	System Administrator II	Customer facility	Hour	\$96.54
54151S	Systems Programmer	Customer facility	Hour	\$94.52
54151S	Web Content Administrator	Customer facility	Hour	\$97.92

## LABOR CATEGORY DESCRIPTIONS

### 1. Project Manager

- a. Minimum/General Experience: Five (5) years of experience directly supervising IT development and project integration, preferably in a leadership role.
- b. Functional Responsibility: Responsible for all aspects of the development and implementation of assigned projects and provides a single point of contact for those projects. Takes projects from original concept through final implementation. Interfaces with all areas affected by the project including end users, stakeholders and project sponsor. Leads team on large projects or significant segment of large complex projects. Analyzes new and complex project related problems and creates innovative solutions involving finance, scheduling, technology, methodology, tools, and solution components. Reviews requirements to define project scope and objectives. Develops detailed work plans, schedules, project estimates, resource plans, and status reports. Conducts project meetings and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Manages the integration of vendor tasks and tracks and reviews vendor deliverables. Provides technical and analytical guidance to project team. Recommends and takes action to direct the analysis and solutions of problems.
- c. Minimum Education Requirement: Bachelor's Degree in Computer Science, Engineering, or related technical discipline.

### 2. Database Developer

- a. Minimum/General Experience: At least three (3) years of experience in software development/engineering, including requirements analysis, software development, installation, integration, evaluation, enhancement, maintenance, testing, and problem diagnosis/resolution. At least one (1) year of creating complex queries, stored procedures, functions, and reports using SQL.
- b. Functional Responsibility: Responsible for SQL and PL/SQL development to include: developing the backend reports to support user needs, developing custom scripts to automate various database management processes, monitoring and troubleshooting database performance, developing, optimizing, and tuning stored procedures, functions, triggers, views, and queries in support of application development, and interfacing with customers, users, and developers as needed. Also maintains the database schema, database design, and transitional development activities.
- c. Minimum Education Requirement: Bachelor's degree in engineering, computer science, or another related analytical, scientific, or technical discipline.



### **3. Software Tester**

- a. Minimum/General Experience: Five (5) years of experience in software quality assurance.
- b. Functional Responsibility: Responsible for writing, executing and maintaining software test plans. Also, will manually test software, following test instructions in a test document. May also write automated tests or unit test as directed. Reviews and approves software developer unit cases, draft test plans and test cases for integration testing and other forms of testing including boundary positive/negative, functional, system, stress, load, performance, usability, security, install/uninstall, etc., draft User Acceptance, Operational Qualification, and Performance Qualification Testing scripts and review with end users or other team members, facilitate User Acceptance Testing and other Validation activities with end users. The Tester will work closely with the business analyst and participate in peer reviews to ensure requirements are understood. This individual will also work closely with software developers to ensure communication coordination of releases for testing in the appropriate environment.
- c. Minimum Education Requirement: Bachelor's degree in information technology or a similar technical degree.

### **4. Web Interface Developer**

- a. Minimum/General Experience: Four (4) years of experience with HTML/HTML5,.Net, JAVA, ASP, VBScript, C#, JavaScript, and/or other comparable languages.
- b. Functional Responsibility: Develops user interface features, site animation and special effects. Coordinates with web content developers and graphics designers to ensure that needs are technically feasible. Provides technical site maintenance and advice on issues related to animation, search engine techniques, link integrity, navigation, browsers, graphics, and other technical web developments. Develops code in HTML, Visual Basic or other web-based programming languages. Performs functionality and navigation testing and prepares technical documentation. Provides technical support, and administration of the software infrastructure for the implementation and maintenance of company/customer's web sites.
- c. Minimum Education Requirement: Bachelor's degree in information technology or a related discipline.

### **5. Webmaster**

- a. Minimum/General Experience: Minimum 3 to 4 years HTML coding experience required. In-depth knowledge of HTML, CSS, JavaScript, SEO. Experience with content management systems is strongly preferred.

- b. **Functional Responsibility:** Maintains and updates all Ventech websites. Ensures website content is accurate and up-to-date. Analyzes and reports website statistics. Implements and maintains all technologies, programs and functionality on AACAP websites. Works closely with the various internal departments to ensure all website pages are updated on a regular basis. Establishes policies and procedures for Ventech websites (content, style, functionality). Oversees website layout, user experience, navigation scheme, and architecture. Collaborates with leadership and staff to develop long-term strategies. Documents and maintains system processes as applications are developed, modified, and/or upgraded.
- c. **Minimum Education Requirement:** Bachelor's degree in information technology or similar technical discipline.

## **6. Application Developer**

- a. **Minimum/General Experience:** Two (2) years of experience maintaining and administering web development, presentation and hosting tools, products and databases to include media, content management, and version control systems.
- b. **Functional Responsibility:** Responsible for the placement and layout of website pages, and the design and creation of relational database schemas. Designs, creates and programs SQL server databases per project needs. Assists in gathering requirements and project specifications. Communicates project status and deliverables with product owners. Manages project tasks, timelines, and communication. Performs routine site maintenance as needed.
- c. **Minimum Education Requirement:** Bachelor's degree in information technology or a related field.

## **7. Application Architect**

- a. **Minimum/General Experience:** Three (3) years of experience as a web designer and developer, with an in-depth knowledge of HTML, CSS, PHP, CGI, XML/XSLT, JSP, JAVA, Java Script, Ajax, XHTML, Perl, Flash, Adobe Creative Suite, Google search, and MySQL database.
- b. **Functional Responsibility:** Designs, develops, operates and maintains static and dynamic web sites and applications for multiple internet and intranet sites with demonstrated expertise in using developer languages and tools. Documents and tests all work products and changes before deployment to production. Scans all developed code for known security vulnerabilities and resolves them to produce error free and secure code.
- c. **Minimum Education Requirement:** Bachelor's degree in engineering, computer science, or another related analytical, scientific, or technical discipline.

## **8. Application Architect Sr.**

- a. Minimum/General Experience: Four (4) years of experience as a web designer and developer, with an in-depth knowledge of HTML, CSS, PHP, CGI, XML/XSLT, JSP, JAVA, Java Script, Ajax, XHTML, Perl, Flash, Adobe Creative Suite, Google search, and MySQL database.
- b. Functional Responsibility: Designs, develops, operates and maintains static and dynamic web sites and applications for multiple internet and intranet sites with demonstrated expertise in using developer languages and tools. Identifies diagnoses and fixes website problems, including broken links. Documents and tests all work products and changes before deployment to production. Scans all developed code for known security vulnerabilities and resolves them to produce error free and secure code. Also develops and maintains computer graphics and images for the web. Understands and documents user requirements, and designs and develops them into web sites that incorporate usability best practices.
- c. Minimum Education Requirement: Bachelor's degree in engineering, computer science, or another related analytical, scientific, or technical discipline.

## **9. Computer Programmer Sr.**

- a. Minimum/General Experience: Extensive experience in software development, modern design patterns and web technologies using multi-tier architectures. Proficient in Java, C++, C#, Python and/or similar structured programming languages. Experience with JavaScript, JavaScript libraries, AJAX, JSON, HTML5/CSS3 and responsive design.
- b. Functional Responsibility: Uses current 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 performs testing by means of cycle and system processing.
- c. Minimum Education Requirement: Bachelor's degree in computer science, software engineering, information technology, or a related discipline.

## **10. Technical Writer**

- a. Minimum/General Experience: Three (3) years of experience creating technical documentation such as user guides, technical guides, templates, training materials, etc.; experience developing and managing technical documentation review process steps; and experience researching tools, procedures, and technical configurations.

- b. **Functional Responsibility:** Researches, writes, and edits technical sections of proposals and meets all proposal deadlines. Participates in proposal strategy, design, writing, and review sessions with business development and technical teams throughout the life of the proposal. Work with subject matter experts to prepare material for proposals.
- c. **Minimum Education Requirement:** Bachelor's degree in English, communications, information technology, or a similar field.

### **11. System Engineer Sr.**

- a. **Minimum/General Experience:** Five (5) years of experience as a system engineer.
- b. **Functional Responsibility:** Analyzes user's requirements, concept of operations documents, and high level system architectures to develop system requirements specifications. Derives lower-level requirements from higher-level allocated requirements that describe in detail the functions that a system component must fulfill, and ensure these requirements are complete, correct, and verifiable. Participates in establishing and gaining approval of the definition of a system or component under development (requirements, designs, interfaces, test procedures, etc.) that provides a common reference point for hardware and software developers. Analyzes system requirements and leads design and development activities. Guide users in formulating requirements, advises alternative approaches, and conducts feasibility studies.
- c. **Minimum Education Requirement:** Bachelor's degree in computer science, software engineering, information technology, or a related discipline.

### **12. Senior Program Manager**

- a. **Function Responsibility:** Serve as the single point of contact for the contractor regarding contracts, programs or projects. Performs day-to-day management of overall contract support operations, possibly involving multiple projects and groups of personnel at multiple locations. Organizes, directs, and coordinates the planning and production of all contract support activities, including subcontractors. Develops work breakdown structures and prepares charts, tables, graphs, major milestone calendars and diagrams to assist in analyzing problems and making recommendations. Demonstrates writing and oral communications skills. Establishes and alters (as necessary) corporate management structure to direct effective contract support activities. Must be capable of negotiating and making binding decisions for the Contractor(s).
- b. **Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. **Minimum Experience:** Must have seven (7) years of professional experience. Must be capable of leading projects that involve the successful management of teams

composed of multiple professionals who are involved in high level, technical solutions.

**13. Senior Business Intelligence Analyst**

- a. Function Responsibility: Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming. Possesses and applies a comprehensive knowledge across key tasks and high impact assignments. Plans and leads major technology assignments. Evaluates performance results and recommends major changes affecting short-term project growth and success. Functions as a technical expert across multiple project assignments. May supervise others.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have seven (7) years of professional experience.

**14. Senior Computer and Information Systems Manager**

- a. Function Responsibility: Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have seven (7) years of professional experience.

**15. SME Computer and Information Systems Manager**

- a. Function Responsibility: Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have seven (7) years of professional experience.

**16. Senior Computer Hardware Engineer**

- a. Function Responsibility: Research, design, develop, or test computer or computer-related equipment for commercial, industrial, military, or scientific use. May supervise the manufacturing and installation of computer or computer-related equipment and components.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.

- c. Minimum Experience: Must have seven (7) years of professional experience.

#### **17. Senior Computer Network Architect**

- a. Function Responsibility: Design and implement computer and information networks, such as local area networks (LAN), wide area networks (WAN), intranets, extranets, and other data communications networks. Perform network modeling, analysis, and planning. May also design network and computer security measures. May research and recommend network and data communications hardware and software.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have seven (7) years of professional experience.

#### **18. Senior Computer Network Support Specialist**

- a. Function Responsibility: Analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure networks operate correctly with minimal interruption.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have seven (7) years of professional experience.

#### **19. Senior Computer Operator**

- a. Function Responsibility: Monitor and control electronic computer and peripheral electronic data processing equipment to process business, scientific, engineering, and other data according to operating instructions. Monitor and respond to operating and error messages. May enter commands at a computer terminal and set controls on computer and peripheral devices.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have five (5) years of professional experience.

#### **20. Senior Computer Programmer**

- a. Function Responsibility: Create, modify, and test the code, forms, and script that allow computer applications to run. Work from specifications drawn up by software

developers or other individuals. May assist software developers by analyzing user needs and designing software solutions. May develop and write computer programs to store, locate, and retrieve specific documents, data, and information

- b. ***Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. ***Minimum Experience:*** Must have five (5) years of professional experience.

#### **21. Senior Computer Systems Analyst**

- a. ***Function Responsibility:*** Analyze science, engineering, business, and other data processing problems to implement and improve computer systems. Analyze user requirements, procedures, and problems to automate or improve existing systems and review computer system capabilities, workflow, and scheduling limitations. May analyze or recommend commercially available software.
- b. ***Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. ***Minimum Experience:*** Must have five (5) years of professional experience.

#### **22. Senior Computer Systems Engineer/Architect**

- a. ***Function Responsibility:*** Design and develop solutions to complex applications problems, system administration issues, or network concerns. Perform systems management and integration functions.
- b. ***Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. ***Minimum Experience:*** Must have five (5) years of professional experience.

#### **23. Senior Data Warehousing Specialist**

- a. ***Function Responsibility:*** Administer, test, and implement computer databases, applying knowledge of database management systems. Coordinate changes to computer databases. May plan, coordinate, and implement security measures to safeguard computer databases.
- b. ***Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. ***Minimum Experience:*** Must have seven (7) years of professional experience.

#### **24. Senior Database Administrator**

- a. ***Function Responsibility:*** Administer, test, and implement computer databases,

applying knowledge of database management systems. Coordinate changes to computer databases. May plan, coordinate, and implement security measures to safeguard computer databases.

- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have five (5) years of professional experience.

#### **25. Senior Database Architect**

- a. Function Responsibility: Design strategies for enterprise database systems and set standards for operations, programming, and security. Design and construct large relational databases. Integrate new systems with existing warehouse structure and refine system performance and functionality.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have five (5) years of professional experience.

#### **26. Senior Information Security Analyst**

- a. Function Responsibility: Plan, implement, upgrade, or monitor security measures for the protection of computer networks and information. May ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure. May respond to computer security breaches and viruses.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have five (5) years of professional experience.

#### **27. Senior Information Technology Project Manager**

- a. Function Responsibility: Plan, initiate, and manage information technology (IT) projects. Lead and guide the work of technical staff. Serve as liaison between business and technical aspects of projects. Plan project stages and assess business implications for each stage. Monitor progress to assure deadlines, standards, and cost targets are met.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have five (5) years of professional experience.



## **28. Senior Network and Computer Systems Administrator**

- a. *Function Responsibility:* Install, configure, and support an organization's local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Monitor network to ensure network availability to all system users and may perform necessary maintenance to support network availability. May monitor and test Web site performance to ensure Web sites operate correctly and without interruption. May assist in network modeling, analysis, planning, and coordination between network and data communications hardware and software. May supervise computer user support specialists and computer network support specialists. May administer network security measures.
- b. *Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. *Minimum Experience:* Must have five (5) years of professional experience.

## **29. Senior Software Developer, Applications**

- a. *Function Responsibility:* Develop, create, and modify general computer applications software or specialized utility programs. Analyze user needs and develop software solutions. Design software or customize software for client use with the aim of optimizing operational efficiency. May analyze and design databases within an application area, working individually or coordinating database development as part of a team. May supervise computer programmers.
- b. *Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. *Minimum Experience:* Must have seven (7) years of professional experience.

## **30. Senior Software Developer, Systems Software**

- a. *Function Responsibility:* Software Developer, Systems Software -Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software requirements. May design embedded systems software. Apply principles and techniques of computer science, engineering, and mathematical analysis.
- b. *Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. *Minimum Experience:* Must have six (6) years of professional experience.

## **31. Senior Software Quality Assurance Engineer and Tester**

- a. Function Responsibility: Develop and execute software test plans in order to identify software problems and their causes.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have seven (7) years of professional experience.

**32. Senior Technical Writer**

- a. Function Responsibility: Write technical materials, such as equipment manuals, appendices, or operating and maintenance instructions. May assist in layout work.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have seven (7) years of professional experience.

**33. Senior Training and Development Specialist**

- a. Function Responsibility: Design and conduct training and development programs to improve individual and organizational performance. May analyze training needs.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have seven (7) years of professional experience.

**34. Business Process Reengineering Specialist Level II**

- a. Function Responsibility: Apply process improvement, reengineering methodologies, and internet-related methodologies and principles to conduct process modernization projects. Responsible for transitioning of existing organizations or project teams in accomplishing the organization's goals or project activities and objectives through improved use of internet and other automated processes. Support activity and data modeling, development of modern business methods, identification of best practices, and creating and assessing performance measurements. Provide group facilitation, interviewing, training, and additional forms of knowledge transfer. May provide daily supervision and direction to other contractor business reengineering specialists and web architects. Commensurate education and experience.
- b. Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. Minimum Experience: Must have two (2) years of professional experience.

**35. Computer Security Systems Specialist Level II**

- a. *Function Responsibility:* Analyze and defines security requirements for MLS issues. Design, develop, engineer, and implement solutions to MLS requirements. Guide effort to gather and organize technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the MLS arena. Perform risk analyses which also includes risk assessment. Develop security standards.
- b. *Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. *Minimum Experience:* Must have four (4) years of professional experience.

### **36. Data Security Specialist**

- a. *Function Responsibility:* Provide support to plan, coordinate, and implement the organization's information security. Provide support for facilitating and helping agencies identify their current security infrastructure and define future programs, design and implementation of firewall and other related security issues on LANs/WANs. A working knowledge of several of the following areas is required: understanding of business security practices and procedures; knowledge of current security tools available; hardware/software firewalls and their implementation; different communication protocols; encryption techniques/tools; familiarity with commercial products (ex. - Domain Name Systems, public key encryption technology, Smartcard, Cyberguard, TimeStep), and current Internet and electronic commerce technology.
- b. *Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. *Minimum Experience:* Must have three (3) years of professional experience.

### **37. Senior Project Manager**

- a. *Function Responsibility:* Typically oversee all aspects of the project, leading a team on large projects or a significant segment of large and complex projects. Analyze new and complex project-related problems and create innovative solutions that normally involve the schedule, technology, methodology, tools, solution components, and financial management of the project. Provide applications systems analysis and long and short-range plans for application selection, systems development, systems maintenance, and production activities for necessary support resources. Commensurate experience and education for the specific level.
- b. *Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. *Minimum Experience:* Must have five (5) years of professional experience.

### **38. Subject Matter Expert II**

- a. *Function Responsibility:* Analyze user needs to determine functional requirements and define problems and develop plans and requirements in the subject matter area for moderately complex to complex systems related to information systems architecture, networking; telecommunications, automation, communications protocols, risk management/electronic analysis, software, lifecycle management, software development methodologies, and modeling and simulation. Perform functional allocation to identify required tasks and their interrelationships. Identify resources required for each task. Possess requisite knowledge and expertise so recognized in the professional community that the government is able to qualify the individual as an expert in the field for an actual task order. Demonstrate exceptional oral and written communication skills. Commensurate experience in IT and in new and related older technology that directly relates to the required area of expertise.
- b. *Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. *Minimum Experience:* Must have seven (7) years of professional experience.

#### **39. System Administrator II**

- a. *Function Responsibility:* Perform the daily activities of configuration and operation of systems which may be mainframe, mini, or client/server based. Perform the optimizing of system operation and resource utilization and perform system capacity analysis and planning. Provide assistance to users in accessing and using business systems. Commensurate experience and education.
- b. *Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. *Minimum Experience:* Must have three (3) years of professional experience.

#### **40. Systems Programmer**

- a. *Function Responsibility:* Create and/or maintain operating systems, communications software, data base packages, compilers, assemblers, and utility programs. Modify existing software as well as create special-purpose software to ensure efficiency and integrity between systems and applications.
- b. *Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. *Minimum Experience:* Must have three (3) years of professional experience.

#### **41. Web Content Administrator**

- a. *Function Responsibility:* Provide support for developing and providing Agency Website content that will motivate and satisfy government and civilian user's needs so that they will regularly access the site and utilize it as a major source for information,

decision making and benefits delivery. Provide support for maintaining civil service handbook and policies/procedures on the agency Web; assisting in developing agency newsletter and civilian benefits communications; recommending new and innovative web uses as well as training and educating employees on the use and benefits of using the Web. Provide support in the location and pursuit of content and surveying internal customers to gather feedback for site improvement and enhancements. A working knowledge of several of the following are required: English (or Spanish), Journalism, graphic design or a related field, Web-site management, web servers, intranet site structures, and Web-related software (ex. - MS FrontPage, Dream Weaver, Access, HyperText Markup Language (HTML), and Web 2.0 software such as wikis, portals, and Microsoft Sharepoint).

- b. *Minimum 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. A Master's Degree is preferred. A Master's Degree in one of the above disciplines equals one year specialized and two years general experience.
- c. *Minimum Experience:* Must have four (4) years of professional experience.