



**General Services Administration  
Federal Supply Service  
Authorized Federal Supply Schedule Price List**

*For more information on ordering from Federal Supply Schedule click on the FSS Schedules button at [fss.gsa.gov](http://fss.gsa.gov). On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through GSA Advantage!™, a menu-driven database system. The INTERNET address for GSA Advantage!™ is: <http://www.GSAAdvantage.gov>.*

**MULTIPLE AWARD SCHEDULE (MAS)  
FSC CODE: D399**

**Contract No: GS-35F-161GA  
Period Covered by Contract: December 30, 2016 through December 29, 2021  
Price List Current Through: Mod PS-A812, dated February 10, 2020**

**Advanced Systems Development, Inc.  
6400 Arlington Blvd. Suite 850  
Falls Church, VA 22042-2336  
Phone: 703-998-3900  
Fax: 703-824-5666  
[www.asd-inc.com](http://www.asd-inc.com)**

**POC for Contract Admin: Mary Lou Patel  
Email: [MPatel@asd-inc.com](mailto:MPatel@asd-inc.com)**

*Business Size: Large Business*



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**INFORMATION FOR ORDERING ACTIVITIES APPLICABLE TO ALL SPECIAL ITEM NUMBERS (SINs)**

1a. Table of awarded special item number(s).

SIN	Recovery	SIN Description
54151S	54151SRC	Information Technology Professional Services
OLM	OLMRC	Order-Level Materials (OLMs)

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract.

**See Approved GSA Labor Rates**

1c. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. If hourly rates are not applicable, indicate "Not applicable" for this item.

**See Approved GSA Labor Rates**

2. Maximum order:

**54151S - \$500,000**

\*Ordering activities may request a price reduction at any time before placing an order, establishing a BPA, or in conjunction with the annual BPA review. However, the ordering activity shall seek a price reduction when the order or BPA exceeds the simplified acquisition threshold. Schedule contractors are not required to pass on to all schedule users a price reduction extended only to an individual ordering activity for a specific order or BPA.

3. Minimum order:

**\$100**

4. Geographic coverage (delivery area):

**Domestic and Overseas Delivery**

5. Point(s) of production:

**United States**

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

**All prices in the Schedule Pricelist are NET Prices after all discounts have been deducted and IFF included.**

7. Quantity discounts:

**None**

8. Prompt payment terms:

**None, 0% Net 30**

*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. Notification that Government purchase cards are accepted at or below the micro-purchase threshold.  
**Government Purchase cards are accepted at or below the micro-purchase threshold.**
- 9b. Government purchase cards are accepted above the micro-purchase threshold.  
**Credit cards will be acceptable for payments above the micro-purchase threshold. In addition, bank account information for wire transfer payments will be shown on the invoice.**
10. Foreign items (list items by country of origin):  
**None**
- 11a. Time of delivery:  
**As agreed to by Ordering Agency and Advanced Systems Development, Inc.**
- 11b. Expedited Delivery:  
**Contact Advanced Systems Development, Inc. for expedited delivery availability.**
- 11c. Overnight and 2-day delivery:  
**Contact Advanced Systems Development, Inc. for overnight and 2 day delivery availability.**
- 11d. Urgent Requirements:  
**When the Federal Supply Schedule contract delivery period does not meet the bona fide urgent delivery requirements of an ordering agency, agencies are encouraged, if time permits, to contact the Contractor for the purpose of obtaining accelerated delivery. The Contractor shall reply to the inquiry within 3 workdays after receipt. (Telephonic replies shall be confirmed by the Contractor in writing.) If the Contractor offers an accelerated delivery time acceptable to the ordering agency, any order(s) placed pursuant to the agreed upon accelerated delivery time frame shall be delivered within this shorter delivery time and in accordance with all other terms and conditions of the contract. Urgent Requirement clause in accordance with I-FSS-140-B.**
12. F.O.B. point(s):  
**Destination**
- 13a. Ordering address:  
**Mary Lou Patel , CFO  
Phone: 703-933-2090  
Fax: 703-824-5699  
Email: [mpatel@asd-inc.com](mailto:mpatel@asd-inc.com)**
- 13b. Ordering procedures:  
**For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.**
14. Payment address:  
**Payment address and bank account information for wire transfer payments will be shown on the invoice.**
15. Warranty provision:  
**Contact Contractor**

16. Export packing charges, if applicable:  
**Not Applicable**
17. Terms and conditions of Government purchase card acceptance (any thresholds above the micro-purchase level):  
**Government purchase cards are accepted for payment for orders below, equal to, or above the 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 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:  
**None**
23. Preventive maintenance:  
**Not Applicable**
- 24a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants):  
**Not Applicable**
25. Data Universal Number System (DUNS) number:  
**03-775-2037**
26. Registration in the System for Award Management (SAM) database.  
**SAM registration is current. CAGE: 1V652**

## LABOR CATEGORY DESCRIPTIONS

*Note: Three (3) years of experience may be substituted for a bachelor's degree. All technical positions require strong analytical and communication skills.*

### **Administrative Assistant I**

**Functional Responsibilities:** Under direct supervision, supports typical office administrative tasks, including operating and maintaining office equipment, data entry, staffing help desk front line and logging and forwarding help desk calls. This position supports other IT positions.

**Minimum Experience:** 3 years performing administrative tasks in an IT environment.

**Minimum Education:** High School diploma or equivalent

### **Administrative Assistant II**

**Functional Responsibilities:** Under minimal supervision and/or as lead administrative assistant, supports typical office administrative tasks, including operating and maintaining office equipment, data entry, staffing help desk front line and logging and forwarding help desk calls. This position supports other IT positions.

**Minimum Experience:** 6 years performing administrative tasks in an IT environment.

**Minimum Education:** High School diploma or equivalent

### **Audiovisual Engineer II**

**Functional Responsibility:** Under minimal supervision supports IT/VOIP communications activities including planning, designing, developing, testing, installing and maintaining IT based communications networks. Follows provided planning to ensure that communications spaces meet industry standards. Operates, and maintains IT voice, wireless, video, and IT/VOIP data communications systems. Provides IT engineering or IT analytical tasks and activities associated with one or more technical areas within the communications function.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Audiovisual Engineer III**

**Functional Responsibility:** Provides supervision and technical knowledge engineering for IT/VOIP communications activities including planning, designing, developing, testing, installing and maintaining large IT based communications networks. Ensures that adequate and appropriate planning is provided to direct building IT architecture and planners in building IT communications spaces meet industry standards. Develops, operates, and maintains IT voice, wireless, video, and IT/VOIP data communications systems. Provides complex IT engineering or IT analytical tasks and activities associated with many technical areas within the communications function.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Audiovisual Engineer IV**

**Functional Responsibility:** Provides master-level knowledge and team management for IT/VOIP communications activities including planning, designing, developing, testing, installing and maintaining large IT based communications networks. Ensures that adequate and appropriate planning is provided to direct building IT architecture and planners in building IT communications spaces meet industry standards. Develops, operates, and maintains voice, wireless, video, and IT/VOIP data communications systems. Provides complex IT engineering or IT analytical tasks and activities associated with any technical areas within the communications function.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Audiovisual Technician II**

**Functional Responsibility:** Under minimal supervision operates IT/VOIP video teleconferencing equipment including powering up IT/VOIP teleconferencing equipment, checking IT equipment for proper operation, performing secure or non-secure networking setup; operate or assist in operating session control panel, studio control unit, and high-resolution graphics. Documents equipment and network problems and reporting as necessary to appropriate parties for maintenance or repair. Operate briefing computers IT/VOIP equipment as necessary.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Audiovisual Technician III**

**Functional Responsibility:** Directs and manages subordinate team members to operate IT/VOIP video teleconferencing equipment including powering up IT/VOIP teleconferencing equipment, checking IT equipment for proper operation, performing secure or non-secure networking setup; operate or assist in operating session control panel, studio control unit, and high-resolution graphics. Documents equipment and network problems and reporting as necessary to appropriate parties for maintenance or repair. Operate briefing computers, IT/VOIP equipment as necessary.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Business Process Analyst II**

**Functional Responsibility:** Under minimal supervision formulates and defines systems scope and objectives based on both user needs and a thorough understanding of business systems in relation to Information Technology and industry requirements. Supports the development of procedures to solve complex problems considering computer equipment capacity and limitations, operation time, and form of desired results. Performs analysis of business and user needs for information technology, documentation of requirements, and translation into proper system requirements specifications. Provides consultation on projects and is considered to be the one of the top-level contributors/specialists of most phases of systems analysis, while considering the business implications of the application of technology to the current and future business environment.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Business Process Analyst III**

**Functional Responsibility:** In a management and senior technical capacity defines systems scope and objectives based on both user needs and a thorough understanding of business systems in relation to Information Technology and IT and IT secure operations industry requirements. Develops procedures to solve complex problems considering computer equipment capacity and limitations, operation time, and form of desired results. Performs analysis of business and user needs for information technology, documentation of requirements, and translation into proper system requirements specifications. Provides consultation on complex projects and is considered to be the one of the top-level contributors/specialists of most phases of systems analysis, while considering the business implications of the application of technology to the current and future business environment.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Business Process Analyst IV**

**Functional Responsibility:** At a master-level defines systems scope and objectives based on both user needs and a thorough understanding of business systems in relation to Information Technology and industry IT and IT secure operations requirements. Leads the development of procedures to solve complex problems considering computer equipment capacity and limitations, operation time, and form of desired results. Performs analysis of business and user needs for information technology, documentation of requirements, and translation into proper system requirements specifications. Provides consultation on complex projects and is considered to be the top-level contributor/specialist of most phases of systems analysis, while considering the business implications of the application of technology to the current and future business environment.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Cloud Architect II**

**Functional Responsibility:** Under minimal supervision designs, develops, implements, utilizes, and conforms to enterprise cloud architecture application solutions, strategies, processes, and standards, focusing on expertise in cloud technologies. Supports collaboration with business owners, analysts, engineers, development teams and infrastructure services to define, and communicate application and data architecture standards, policies, and directions. Supports the design and implementation of Information System (IS) architectures, and architecture activities that are aligned to organization requirements set by leadership on behalf of stakeholders and are consistent with enterprise architectural standards.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Cloud Architect III**

**Functional Responsibility:** In a management and senior technical capacity designs, develops, implements, utilizes, and conforms to enterprise cloud architecture application solutions, strategies, processes, and standards, focusing on expertise in cloud technologies. Collaborates with business owners, analysts, engineers, development teams, and infrastructure services to define, establish, and communicate application and data architecture standards, policies, and directions. Designs, implements and may lead the design and implementation of Information System (IS) architectures, and architecture activities that are aligned to organization requirements set by leadership on behalf of stakeholders and are consistent with enterprise architectural standards.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Cloud Architect IV**

**Functional Responsibility:** Provides master-level knowledge, technical direction and management to support designing, developing, implementing, and utilizing enterprise cloud architecture application solutions, strategies, processes, and standards, focusing on expertise in cloud technologies. Collaborates with business owners, analysts, engineers, development teams, and infrastructure services to define, establish, and communicate application and data architecture standards, policies, and directions. Designs, implements and may lead the design and implementation of Information System (IS) architectures, and architecture activities that are aligned to organization requirements set by leadership on behalf of stakeholders and are consistent with enterprise architectural standards.

**Minimum Experience:** 8 or more years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Communications Network Analyst I**

**Functional Responsibilities:** Under direct supervision, develops, evaluates, integrates, and maintains existing and proposed enterprise-wide voice, data, and video telecommunications systems; trouble-shoots network operations and usage; provides end user support.

**Minimum Experience:** Without a degree, 3 years in network design, installation, trouble-shooting, user support, and maintenance. Requires experience with various architectures and protocols.

**Minimum Education:** Bachelors in CS, Telecom, EE, related fields

### **Communications Network Analyst II**

**Functional Responsibilities:** Under limited supervision, develops, evaluates, integrates, and maintains existing and proposed enterprise-wide voice, data, and video telecommunications systems; trouble-shoots network operations and usage; provides end user support.

**Minimum Experience:** 3 years of experience in network design, installation, trouble-shooting, user support, and maintenance. Requires experience with various architectures and protocols.

**Minimum Education:** Bachelors in CS, Telecom, EE, related fields

### **Communications Network Analyst III**

**Functional Responsibilities:** Serving as senior analyst and frequently managing other technical personnel, develops, evaluates, integrates, and maintains existing and proposed enterprise-wide voice, data, and video telecommunications systems; trouble-shoots network operations and usage; provides end user support.

**Minimum Experience:** 6 years of experience in network design, installation, trouble-shooting, user support, and maintenance. Requires experience with various architectures and protocols.

**Minimum Education:** Bachelors in CS, Telecom, EE, related fields

### **Communications Network Analyst IV**

**Functional Responsibilities:** Serving as senior analyst and frequently managing other technical personnel, develops, evaluates, integrates, and maintains existing and proposed enterprise-wide voice, data, and video telecommunications systems; trouble-shoots network operations and usage; provides end user support.

**Minimum Experience:** 6 years of experience in network design, installation, trouble-shooting, user support, and maintenance. Requires experience with various architectures and protocols.

**Minimum Education:** Bachelors in CS, Telecom, EE, related fields

### **Computer Scientist II**

**Functional Responsibility:** At a journeyman level, provides computer research, data science, data modeling, computer design, algorithm research and technical advice. Develops, modifies, and applies computer modeling and programming applications to analyze and solve mathematical and scientific problems affecting system and program performance. Participates in some or all of the phases of scientific and engineering projects which may include research, design, development, testing, modeling, simulating, training, and documentation.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Computer Scientist III**

**Functional Responsibility:** Provides computer research, data science, data modeling, computer design, algorithm research and technical advice. Supervises and may participate in the development, modification, and application of computer modeling and programming applications to analyze and solve mathematical and scientific problems affecting system and program performance. Participates in all phases of scientific and engineering projects such as research, design, development, testing, modeling, simulating, training, and documentation.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Computer Scientist IV**

**Functional Responsibility:** Provides at a master-level, computer research, data science, data modeling, computer design, algorithm research and technical advice. Supervises and may participate in the development, modification, and application of computer modeling and programming applications to analyze and solve mathematical and scientific problems affecting system and program performance. Participates in all phases of scientific and engineering project such as research, design, development, testing, modeling, simulating, training, and documentation.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Computer Support Specialist I**

**Functional Responsibilities:** Under direct supervision, trouble-shoot, initiate, and resolve COTS software and hardware problems; maintain necessary computer hardware and software tools; develop and implement SOPs: develop and update on-line user profiles; and install, integrate, and remove hardware and software.

**Minimum Experience:** Degree or 3 years resolving COTS hardware and software problems

**Minimum Education:** BS in CS, Math, or equivalent

### **Computer Support Specialist II**

**Functional Responsibilities:** Under limited supervision, trouble-shoot, initiate, and resolve COTS software and hardware problems; maintain necessary computer hardware and software tools; develop and implement SOPs: develop and update on-line user profiles; and install, integrate, and remove hardware and software.

**Minimum Experience:** 3 years resolving COTS hardware and software problems

**Minimum Education:** BS in CS, Math, or equivalent

### **Computer Support Specialist III**

**Functional Responsibilities:** As lead computer specialist and/or task manager, trouble-shoot, initiate, and resolve COTS software and hardware problems; maintain necessary computer hardware and software tools; develop and implement SOPs: develop and update on-line user profiles; and install, integrate, and remove hardware and software.

**Minimum Experience:** 6 years resolving COTS hardware and software problems

**Minimum Education:** BS in CS, Math, or equivalent

### **Computer Support Specialist IV**

**Functional Responsibilities:** Acting as company-wide computer support specialist and/or task manager, trouble-shoot, initiate, and resolve COTS software and hardware problems; maintain necessary computer hardware and software tools; develop and implement SOPs: develop and update on-line user profiles; and install, integrate, and remove hardware and software.

**Minimum Experience:** 10 years resolving COTS hardware and software problems

**Minimum Education:** BS in CS, Math, or equivalent

### **Configuration Management Specialist II**

**Functional Responsibility:** Under minimal supervision provides journeyman-level configuration management planning. Applies provisions for network and system configuration identification, change control, configuration status accounting, and network and system configuration audits. Follows the change process so that only approved and validated changes are incorporated into product documents and related software.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Configuration Management Specialist III**

**Functional Responsibility:** At a senior-level, provides configuration management planning and may supervise a team of configuration management specialists. Develops and defines provisions for network and system configuration identification, change control, configuration status accounting, and network and system configuration audits. Coordinates the execution of the change process so that only approved and validated changes are incorporated into product documents and related software.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Configuration Management Specialist IV**

**Functional Responsibility:** At a master-level provides configuration management planning, technical advise, and may supervise teams of configuration management specialists. Develops and defines provisions for network and system configuration identification, change control, configuration status accounting, and network and system configuration audits. Coordinates the execution of the change process so that only approved and validated changes are incorporated into product documents and related software and coordinates with stakeholders to ensure transparency into the change management process.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Database Administrator II**

**Functional Responsibility:** Supports journeyman-level activities related to the administration of computerized databases. Projects long-range requirements for database administration and design in conjunction with other managers in the information systems function. Creates, and maintains databases in a client/server environment. Conducts quality control and auditing of databases in a client/server environment to ensure accurate and appropriate use of data. Advises users on access to various client/server databases. Designs, implements, and maintains complex databases with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Database Administrator III**

**Functional Responsibility:** Supports all activities related to the administration of computerized databases under minimal supervision. Projects long-range requirements for database administration and design in collaboration database stakeholders. Designs, creates, and maintains databases in a client/server environment. Conducts quality control and auditing of databases in a client/server environment to ensure accurate and appropriate use of data. Advises users on access to various client/server databases. Designs, implements, and maintains complex databases with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Database Administrator IV**

**Functional Responsibility:** Provides all activities related to the administration of computerized databases. Anticipates future requirements for database administration and design in conjunction with organization goals and objectives. Designs, creates, and maintains databases in a client/server environment and supervise the design, development and maintenance activities of DBA staff. Conducts quality control and auditing of databases in a client/server environment to ensure accurate and appropriate use of data. Advises users on access to various client/server databases. Designs, implements, and maintains complex databases with respect to JCL, access methods, access time, device allocation, validation checks, organization, protection and security, documentation, and statistical methods.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Database Architect III**

**Functional Responsibility:** Designs and builds relational databases. Performs data access analysis design, and archive/recovery design and implementation. Develops and reviews strategies for data acquisitions, archive recovery, and implementation of a database. Works in a data warehouse environment, which includes data design, database architecture, and metadata repository creation. Translates business needs into long-term architecture solutions. Defines, designs, and builds dimensional databases. Develops data warehousing blueprints, evaluating hardware and software platforms, and integrating systems. Reviews and develops object and data models and the metadata repository to structure the data for better management and quicker access.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Database Consultant**

**Functional Responsibilities:** As the primary technical contributor and/or project or task manager, analyzes and defines system requirements; develops and maintains application programs for Internet, Intranet, and DBMS/SQL systems; demonstrates facility with one or more Internet languages (JAVA, HTML, Cold Fusion) and RDBMS (Access, SQL, Oracle). Experience must include development, testing, and implementations of medium to large size systems with the ability to manage cross-functional projects and web-based applications.

**Minimum Experience:** 6 years as a database consultant with DBMS/SQL/Internet technologies

**Minimum Education:** BS in CS, Math, or equivalent

### **Disaster Recovery Specialist II**

**Functional Responsibility:** Under minimal supervision runs tests, studies, and administers programs pertaining to the overall security, protection, and integrity of the organization's electronic data, data systems, and data networks. Supports the development and implementation of policies, guidelines, training programs, and a quality assurance process for continued data processing activities and disaster recovery in case of an emergency or security breach. Determines hardware, software, data systems, data networks, safe storage facilities, and other resources required. Excludes paraprofessional positions.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Disaster Recovery Specialist III**

**Functional Responsibility:** At a senior-level, designs and runs tests, studies, and administers programs pertaining to the overall security, protection, and integrity of the organization's electronic data, data systems, and data networks. Develops and coordinates implementation of policies, guidelines, training programs, and a quality assurance process for continued data processing activities and disaster recovery in case of an emergency or security breach. Determines hardware, software, data systems, data networks, safe storage facilities, and other resources required. Excludes paraprofessional positions.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Enterprise Architect II**

**Functional Responsibility:** Under minimal supervision, support information systems and networks architectural design. Supports the development of architectural products and deliverables for the enterprise and operational business lines. Develops strategy of system and the design infrastructure necessary to support that strategy. Advises on selection of technological purchases with regards to processing, data storage, data access, and applications development. Sets standards for the client/server relational database structure for the organization (SQL, ORACLE, SYBASE, etc.). Advises of feasibility of potential future projects to management.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Enterprise Architect III**

**Functional Responsibility:** Provides high-level architectural expertise to managers and technical staff. Develops architectural products and deliverables for the enterprise and operational business lines. Develops strategy of system and the design infrastructure necessary to support that strategy. Advises on selection of technological purchases with regards to processing, data storage, data access, and applications development. Sets standards for the client/server relational database structure for the organization (SQL, ORACLE, SYBASE, etc.). Advises of feasibility of potential future projects to management.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Enterprise Architect IV**

**Functional Responsibility:** Provides master-level architectural expertise to managers and technical staff. Develops architectural products and deliverables for the enterprise and operational business lines. Develops strategy of system and the design infrastructure necessary to support that strategy. Advises on selection of technological purchases with regards to processing, data storage, data access, and applications development. Sets standards for the client/server relational database structure for the organization (SQL, ORACLE, SYBASE, etc.). Advises of feasibility of potential future projects to management.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Graphic Designer II**

**Functional Responsibility:** Under minimal supervision designs and produces graphic art and visual materials for presentations, graphs, charts, technical papers, and development projects. Supports the maintenance for all the computer graphic facility hardware and software. Interprets information effectively in graphic form to meet the communications requirements of tasks and IT technical professionals performing on project.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Graphic Designer III**

**Functional Responsibility:** Produces and supervises the production of designs and produces graphic art and visual materials for presentations, graphs, charts, technical papers, And development projects. Supports the maintenance for all the computer graphic facility hardware and software. Interprets information effectively in graphic form to meet the communications requirements of tasks and IT technical professionals performing on project.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Hardware Engineer II**

**Functional Responsibility:** Under minimal supervision develops analysis related to the design, development, and implementation of hardware for products. Implements and supports the development of test strategies, devices, and systems. Performs stress and performance tests on a variety of computer hardware including circuit boards, processors and wiring.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Hardware Engineer III**

**Functional Responsibility:** At a senior level provides analysis related to the design, development, and implementation of hardware for products. Implements and develops test strategies, devices, and systems. Coordinates the performance and stress testing of computer hardware including circuit boards, processors and wiring.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Help Desk Analyst I**

**Functional Responsibilities:** Under direct supervision, provides end user support; resolves COTS and custom software, hardware, and network problems; operates and maintains a call tracking system; develops and publishes trend analyses; publishes a newsletter.

**Minimum Experience:** Without a degree, 3 years providing help desk support to end users of COTS and custom software, hardware, and network. Requires knowledge of various COTS software, hardware, and network products.

**Minimum Education:** Bachelors in CS, IRM, IS, or related fields

### **Help Desk Analyst II**

**Functional Responsibilities:** Under limited supervision, provides end user support; resolves COTS and custom software, hardware, and network problems; operates and maintains a call tracking system; develops and publishes trend analyses; publishes a newsletter.

**Minimum Experience:** 3 years providing help desk support to end users of COTS and custom software, hardware, and network. Requires knowledge of various COTS software, hardware, and network products.

**Minimum Education:** Bachelors in CS, IRM, IS, or related fields

### **Help Desk Analyst III**

**Functional Responsibilities:** Managing and directing other Help Desk Analysts, provides end user support; resolves COTS and custom software, hardware, and network problems; operates and maintains a call tracking system; develops and publishes trend analyses; publishes a newsletter.

**Minimum Experience:** 6 years providing help desk support to end users of COTS and custom software, hardware, and network. Requires knowledge of various COTS software, hardware, and network products

**Minimum Education:** Bachelors in CS, IRM, IS, or related fields

### **Help Desk Manager**

**Functional Responsibilities:** Serves as the primary company authority on help desks and provides management and technical guidance to Help Desk Analysts III and below; manages and directs tasks, other technical staff (including help desk analysts, system administrators, and system engineers), and/or multiple help desks; provides end user support; resolves COTS and custom software, hardware, and network problems; operates and maintains a call tracking system; develops and publishes trend analyses; publishes a newsletter. Requires knowledge of various COTS software, hardware, and network products.

**Minimum Experience:** 10 years as a help desk analyst and possessing expert knowledge of advanced help desk designs and applications. Must possess outstanding analytical and management capabilities.

**Minimum Education:** Bachelors degree in CS, BA, IS, related fields

### **Information Assurance Specialist II**

**Functional Responsibility:** Under minimal supervision supports the determination of information assurance and security standards. Implements and supports the development of information assurance/security standards and procedures. Evaluates and provides analysis of security programs for an organization. Recommends information assurance/security solutions to support customers' requirements. Identifies, reports, and resolves security violations. Establishes and satisfies information assurance and security requirements based upon the analysis of user, policy, regulatory, and resource demands. Supports customers at the highest levels in the development and implementation of doctrine and policies. Applies know-how to government and commercial common user systems, as well as to dedicated special purpose systems requiring specialized security features and procedures. Performs analysis, design, and development of security features for system architectures. Analyzes and defines security requirements for computer systems which may include mainframes, workstations, and personal computers.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Information Assurance Specialist III**

**Functional Responsibility:** At a senior-level determines enterprise information assurance and security standards. Develops, implements and supervises the implementation of information assurance/security standards and procedures. Evaluates, analyses, and develops, security programs for an organization. Recommends information assurance/security solutions to support customers' requirements. Identifies, reports, and resolves security violations. Establishes and satisfies information assurance and security requirements based upon the analysis of user, policy, regulatory, and resource demands. Supports customers at the highest levels in the development and implementation of doctrine and policies. Applies know-how to government and commercial common user systems, as well as to dedicated special purpose systems requiring specialized security features and procedures. Performs analysis, design, and development of security features for system architectures. Analyzes and defines security requirements for computer systems which may include mainframes, workstations, and personal computers.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Information Assurance Specialist IV**

**Functional Responsibility:** At a master-level determines enterprise information assurance and security standards. Develops implements, supervises and furnishes in-depth domain knowledge towards the application of information assurance/security standards and procedures. Evaluates, analyses, develops, and coordinates the activities for security programs of an organization. Recommends information assurance/security solutions to support customers' requirements. Identifies, reports, and resolves security violations. Establishes and satisfies information assurance and security requirements based upon the analysis of user, policy, regulatory, and resource demands. Supports customers at the highest levels in the development and implementation of doctrine and policies. Applies know-how to government and commercial common user systems, as well as to dedicated special purpose systems requiring specialized security features and procedures. Performs analysis, design, and development of security features for system architectures. Analyzes, defines and anticipates future security requirements for computer systems which may include mainframes, workstations, and personal computers.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Information Security Analyst I**

**Functional Responsibilities:** Under direct supervision, provide information security support in various areas including standards, certifications, technologies, disciplines, test and evaluations, AISSPs, security operations, and documentation.

**Minimum Experience:** Degree or 3 years in information security

**Minimum Education:** Bachelors in CS, IRM, IS, related fields

### **Information Security Analyst II**

**Functional Responsibilities:** Under minimal supervision, provide information security support in various areas including standards, certifications, technologies, disciplines, test and evaluations, AISSPs, security operations, and documentation.

**Minimum Experience:** 3 years designing, analyzing, and/or managing information security

**Minimum Education:** Bachelors in CS, IRM, IS, related fields

### **Information Security Analyst III**

**Functional Responsibilities:** As task leader and/or primary technical contributor, provide information security support in various areas including standards, certifications, technologies, disciplines, test and evaluations, security operations, firewalls, AISSPs, and documentation.

**Minimum Experience:** 6 years designing, analyzing, and/or managing information security

**Minimum Education:** Bachelors in CS, IRM, IS, related fields

### **Information Security Engineer II**

**Functional Responsibility:** Under minimal supervision supports the application of cybersecurity policies, principles, and practices in the delivery of all Information Technology (IT) and cybersecurity services. Implements and supports the design and development of security solutions to maintain confidentiality, integrity, and availability of information throughout the enterprise. Identifies, plans, and documents improvements to security controls currently in place. Develops and documents recommendations and courses of action (COAs) to solve complex cybersecurity problems. Develops and interprets cybersecurity requirements as part of the IT acquisition development process and assists in the formulation of cybersecurity/IT budgets. (IT70-024.0) Information Security Support.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Information Security Engineer III**

**Functional Responsibility:** Ensures the rigorous application of cybersecurity policies, principles, and practices in the delivery of all Information Technology (IT) and cybersecurity services. Implements, designs and develops security solutions to maintain confidentiality, integrity, and availability of information throughout the enterprise. Identifies, plans, and documents improvements to security controls currently in place. May review such plans. Develops and documents recommendations and courses of action (COAs) to solve complex cybersecurity problems. Develops and interprets cybersecurity requirements as part of the IT acquisition development process and assists in the formulation of cybersecurity/IT budgets. (IT70-024.0) Information Security Support.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Information Security Engineer IV**

**Functional Responsibility:** Provides master-level technical advisement concerning the application of cybersecurity policies, principles, and practices in the delivery of all Information Technology (IT) and cybersecurity services. Implements, designs and develops security solutions and furnishes in-depth domain knowledge to maintain confidentiality, integrity, and availability of information throughout the enterprise. Reviews plans and documentation for improvements to security controls currently in place. Develops and documents recommendations and courses of action (COAs) to solve complex cybersecurity problems. Develops and interprets cybersecurity requirements as part of the IT acquisition development process and assists in the formulation of cybersecurity/IT budgets. (IT70-024.0) Information Security Support.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Information Systems Technician I**

**Functional Responsibilities:** Under direct supervision, provides installation, repair, configuration, and technical support for a variety of PC/LAN systems software and hardware.

**Minimum Experience:** 1 year repairing, installing, configuring IT or Tech Cert

**Minimum Education:** High School diploma or equivalent

### **Information Systems Technician II**

**Functional Responsibilities:** Under minimal supervision, provides installation, repair, configuration, and technical support for a variety of PC/LAN systems software and hardware.

**Minimum Experience:** 3 years repairing, installing, configuring IT (Tech Cert may substitute for 1 year of experience)

**Minimum Education:** High School diploma or equivalent

### **Information Systems Technician III**

**Functional Responsibilities:** As task leader and/or primary technical contributor, provides installation, repair, configuration, and technical support for a variety of PC/LAN systems software and hardware.

**Minimum Experience:** 5 years repairing, installing, and configuring IT (Tech Cert may substitute for 1 year of experience)

**Minimum Education:** High School diploma or equivalent

### **Instructor, Information Technology I**

**Functional Responsibilities:** Under direct supervision, develops training materials for COTS software and custom applications, and teaches COTS and custom applications.

**Minimum Experience:** BS or 3 years as an IT instructor

**Minimum Education:** BA/BS in CS, Mathematics, Education, or related fields

### **Instructor, Information Technology II**

**Functional Responsibilities:** Under minimal supervision, develops training materials for COTS software and custom applications, and teaches COTS and custom applications.

**Minimum Experience:** 3 years as an IT instructor

**Minimum Education:** BA/BS in CS, Mathematics, Education, or related fields

### **Instructor, Information Technology III**

**Functional Responsibilities:** As senior IT instructor, develops training materials for COTS software and custom applications, and teaches COTS and custom applications.

**Minimum Experience:** 6 years as an IT instructor

**Minimum Education:** BA/BS in CS, Mathematics, Education, or related fields

### **Instructor, Information Technology IV**

**Functional Responsibilities:** As corporate advisor on IT instruction and/or task leader, develops training materials for COTS software and custom applications, and teaches COTS and custom applications. Must be published.

**Minimum Experience:** MS plus 10 years as an IT instructor

**Minimum Education:** BA/BS in CS, Mathematics, Education, or related fields

### **IT Intern I**

**Functional Responsibilities:** Pursuing a career in information technology and/or with plans to pursue a degree in information technology or related area (college credit may be substituted for experience). Provide information technology administrative and technical support in the areas of hardware, software, and networking.

**Minimum Experience:** 1 year with IT

**Minimum Education:** Enrolled in or completed HS or enrolled in college

### **IT Intern II**

**Functional Responsibilities:** Pursuing a career in information technology and/or with plans to pursue a degree in information technology or related area (college credit may be substituted for experience). Provide information technology administrative and technical support in the areas of hardware, software, and networking.

**Minimum Experience:** 3 years with IT

**Minimum Education:** Enrolled in or completed HS or enrolled in college

### **IT Technologist**

**Functional Responsibilities:** Serves as the primary technical contributor in analyzing, planning for, and implementing mission- related activities. Activities include one or more of the following: BPRs, requirements analysis, system sizing, FEAs, IDEF0/IDEF1 modeling and analysis, acquisition management, prototype evaluation and development, work flow and IT organizational analyses, strategic, operational, and security planning, and applications analysis and development (SQL Internet, DBMS, application languages).

**Minimum Experience:** 10 years life cycle with IT. Must be an expert on IT analysis, development, integration, and operations.

**Minimum Education:** Masters degree in operations research, CS, BA, IS, related fields

### **Network Administrator II**

**Functional Responsibility:** Under minimal supervision provides journeyman-level guidance for directing and monitoring information systems operations. Builds, implements, and supports the design of network systems. Compiles records and produces reports concerning network operations and maintenance. Troubleshoots network performance issues. Analyzes network traffic and provides capacity planning solutions. Monitors and responds to complex technical control facility hardware and software problems. Interfaces with vendor support service groups to ensure proper escalation during outages or periods of degraded system performance.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Network Administrator III**

**Functional Responsibility:** Supervises and provides senior-level technical guidance for directing and monitoring information systems operations. Designs, builds, and implements network systems and supervises others performing similar work. Directs the compilation of records and the production of reports concerning network operations and maintenance. Troubleshoots network performance issues. Analyzes network traffic and provides capacity planning solutions. Monitors and responds to complex technical control facility hardware and software problems. Interfaces with vendor support service groups to ensure proper escalation during outages or periods of degraded system performance.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Network Architect III**

**Functional Responsibility:** At a senior-level analyzes and administers the technical architecture of Local Area Networks and Wide Area Networks. Researches, runs tests, and evaluates telecommunications and data network systems. Analyzes workload, including traffic and utilization trends. Interfaces with users, consultants, technical teams, and vendors for maximum guidance in determining the most appropriate type of hardware installation. Supports complex PCs and LAN/WAN networks throughout the organization. Requires advanced knowledge and experience in the area of local and wide area networking, communications, and related hardware and software.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Network Architect IV**

**Functional Responsibility:** Provides master-level analysis and administration of the technical architecture of Local Area Networks and Wide Area Networks. Researches, runs tests, evaluates, and recommends telecommunications and data network systems. Analyzes workload, including traffic and utilization trends. Interfaces with users, consultants, technical teams, and vendors for maximum guidance in determining the most appropriate type of hardware installation. Supports complex PCs and LAN/WAN networks throughout the organization. Requires advanced knowledge and experience in the area of local and wide area networking, communications, and related hardware and software.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Network Engineer II**

**Functional Responsibility:** Under minimal supervision and at an journeyman-level supports the determination of user requirements and design specifications for networks. Tests and monitors networks to ensure network availability to system users. Performs necessary maintenance to support network availability. Plans, schedules, and conducts the installation of new or modified hardware and associated operating systems and software applications. Designs and conducts tests and evaluations of USCYBERCOM's networks. Analyzes and organizes the corresponding hardware and software combined solutions through network modeling and planning. Performs system-level design and configuration of products, including determination of hardware, operating system, and other platform specifications. Evaluates new network technologies and makes recommendations to project managers regarding integration of these technologies into the existing network. Plans new network configurations and integration into existing networks to maintain optimal performance.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Network Engineer III**

**Functional Responsibility:** Determines user requirements and design specifications for networks. Tests and monitors networks to ensure network availability to system users. Directs the performance of necessary maintenance to support network availability. Plans, schedules, and conducts the installation of new or modified hardware and associated operating systems and software applications. Designs and conducts tests and evaluations of USCYBERCOM's networks. Analyzes and organizes the corresponding hardware and software combined solutions through network modeling and planning. Performs system-level design and configuration of products, including determination of hardware, operating system, and other platform specifications. Evaluates new network technologies and makes recommendations to project managers regarding integration of these technologies into the existing network. Plans new network configurations and integration into existing networks to maintain optimal performance. Provides subject matter expertise to achieve joint full spectrum (terrestrial and space) network interoperability and integration.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Program Analyst I**

**Functional Responsibilities:** With limited supervision, performs program analyses, including, but not limited to: operations research, functional analysis, requirements analysis, cost analysis, performance analysis, and simulation and analytical model design and development.

**Minimum Experience:** BS or 3 years performing IT program analysis

**Minimum Education:** BS in OR, CS, EE, related fields

### **Program Analyst II**

#### **Functional Responsibilities:**

With minimal supervision, performs program analyses, including, but not limited to: operations research, functional analysis, requirements analysis, cost analysis, performance analysis, and simulation and analytical model design and development.

**Minimum Experience:** 3 years performing IT program analyses

**Minimum Education:** BS in OR, CS, EE, related fields

### **Program Analyst III**

**Functional Responsibilities:** As team leader and/or as task manager, performs program analyses, including, but not limited to: operations research, functional analysis, requirements analysis, cost analysis, performance analysis, and simulation and analytical model design and development.

**Minimum Experience:** 6 years performing IT program analyses

**Minimum Education:** BS in OR, CS, EE, related fields

### **Program Analyst IV**

**Functional Responsibilities:** Serves as primary company program analyst, task leader and primary technical contributor and an expert in performing program analyses, including, but not limited to: operations research, functional analysis, requirements analysis, cost analysis, performance analysis, and simulation and analytical model design and development. Must be an expert in IT program analysis theory and application.

**Minimum Experience:** 10 years and an expert in performing all disciplines of IT program analysis

**Minimum Education:** MS in OR, CS, EE, related fields

### **Program Director**

**Functional Responsibilities:** Manages multiple programs and a technical group as a cost center with the primary responsibility for planning; operations; defining and meeting financial objectives; recruitment; training; business acquisition; and overall execution of all projects within the group. Must have outstanding organizational, management, and communications skills.

**Minimum Experience:** 15 years and an expert in the theories and applications of IT program management

**Minimum Education:** Masters degree in CS, BA, IS, related fields

### **Program Manager**

**Functional Responsibilities:** Manages a technical group as a cost center with the primary responsibility for planning; operations; defining and meeting financial objectives; recruitment; training; business acquisition; and overall execution of all projects within the group.

**Minimum Experience:** 10 years as program manager over several varied projects and project managers. Requires management, organizational, and communications skills.

**Minimum Education:** Bachelors in CS, BA, IS, related fields

### **Information Technology Program Manager II**

**Functional Responsibility:** Under minimal supervision organizes, directs, and manages contract operation support functions, involving multiple, complex and inter-related Information Technology project tasks. Manages teams of IT contract support personnel. Maintains the client interface at the senior levels of the client organization. Ensures transparency into the program management process related to the IT project and associates tasks. Meets with customer and contractor personnel to formulate and review task plans and deliverable items. Ensures conformance with program task schedules and costs.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Information Technology Program Manager III**

**Functional Responsibility:** Organizes, directs, and manages contract operation support functions, involving multiple, complex and inter-related Information Technology project tasks. Manages teams of IT contract support personnel potentially at multiple locations. Maintains and manages the client interface at the senior and executive levels of the client organization. Ensures transparency into the program management process related to the IT project and associates task. Meets with customer and contractor personnel to formulate and review task plans and deliverable items. Ensures conformance with program task schedules and costs.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Information Technology Program Manager IV**

**Functional Responsibility:** Provides master-level guidance and supervision and may organize, direct, and manage contract operation support functions, involving multiple, complex and inter-related Information Technology project tasks. Manages multiple teams of IT contract support personnel potentially at multiple locations. Maintains and manages the client interface at the highest-levels of the client organization. Ensures transparency into the program management process related to the IT project and associates tasks. Meets with customer and contractor personnel to formulate and review task plans and deliverable items. Ensures conformance with program task schedules and costs.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Programmer/DBMS Specialist I**

**Functional Responsibilities:** Under direction supervision, analyzes and defines system requirements; develops and maintains application programs and DBMS's; tests, debugs, and refines; develops block diagrams and logic flow charts; designs and develops traditional and prototype databases.

**Minimum Experience:** Without a degree, 3 years analyzing, planning for, developing, integrating, and maintaining software systems.

**Minimum Education:** Bachelors in CS, IRM, IS, or related field

### **Programmer /DBMS Specialist II**

**Functional Responsibilities:** Under limited supervision, analyzes and defines system requirements; develops and maintains application programs and DBMS's; tests, debugs, and refines; develops block diagrams and logic flow charts; designs and develops traditional and prototype databases.

**Minimum Experience:** 3 years analyzing, planning for, developing, integrating, and maintaining software systems, including COTS, 3rd and 4th GL, multi- processor, and database design.

**Minimum Education:** Bachelors in CS, IRM, IS, or related field

### **Programmer/DBMS Specialist III**

**Functional Responsibilities:** Serving as senior Programmer/DBMS and frequently managing other technical personnel, analyzes and defines system requirements; develops and maintains application programs and DBMS's; tests, debugs, and refines; develops block diagrams and logic flow charts; designs and develops traditional and prototype databases.

**Minimum Experience:** 6 years of experience analyzing, planning for, developing, integrating, and maintaining software systems, including COTS, 3rd and 4th GL, multi- processor, and database design.

**Minimum Education:** Bachelors in CS, IRM, IS, or related field

### **Project Manager I**

**Functional Responsibilities:** Provides supervisory, technical, and administrative direction to project staff; interfaces with customers; tracks project performance and costs; and prepares plans, charts, tables, and diagrams to assist in analyzing and displaying problems and solutions.

**Minimum Experience:** 3 years managing, directing, planning, implementing, and staffing ADP tasks. Requires management, organizational, and communications skills.

**Minimum Education:** Bachelors in CS, BA, BM, IS, related fields

### **Project Manager II**

**Functional Responsibilities:** Provides supervisory, technical, and administrative direction to project staff; interfaces with customers; tracks project performance and costs; and prepares plans, charts, tables, and diagrams to assist in analyzing and displaying problems and solutions.

**Minimum Experience:** 5 years managing, directing, planning, implementing, and staffing increasingly complex ADP projects. Requires management, organizational, and communications skills.

**Minimum Education:** Bachelors in CS, BA, BM, IS, related fields

### **Project Manager III**

**Functional Responsibilities:** Provides supervisory, technical, and administrative direction to project staff; interfaces with customers; tracks project performance and costs; and prepares plans, charts, tables, and diagrams to assist in analyzing and displaying problems and solutions.

**Minimum Experience:** 8 years managing, directing, planning, implementing, and staffing complex ADP projects. Requires management, organizational, and communications skills.

**Minimum Education:** Bachelors in CS, BA, IS, related fields

### **Quality Assurance Specialist II**

**Functional Responsibility:** With minimal supervision supports the development of a project Software Quality Assurance Plan and the implementation of procedures that conforms to the requirements of the IT contract. Provides an assessment in collaboration with the QA team of how a project's software development process is being implemented relative to the defined process and recommends methods to optimize the organization's process.

Responsible for activities involving quality assurance and compliance with applicable regulatory requirements.

Conducts audits and reviews/analyzes data and documentation. Develops and implements procedures and test plans for assuring quality in a system development environment which supports large databases and applications.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Quality Assurance Specialist III**

**Functional Responsibility:** Develops and supervises the development of a project Software Quality Assurance Plan and the implementation of procedures that conforms to the requirements of the IT contract. Provides an independent assessment of how a project's software development process is being implemented relative to the defined process and recommends methods to optimize the organization's process. Responsible for activities involving quality assurance and compliance with applicable regulatory requirements. Conducts audits and reviews/analyzes data and documentation. Develops and implements procedures and test plans for assuring quality in a system development environment which supports large databases and applications.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Quality Assurance Specialist IV**

**Functional Responsibility:** Provides master-level guidance, supervision and guidance to support the development of a project Software Quality Assurance Plan and the implementation of procedures that conforms to the requirements of the IT contract. Provides an independent assessment, and may review the assessments of others concerning how a project's software development process is being implemented relative to the defined process and recommends methods to optimize the organization's process. Responsible for all activities involving quality assurance and compliance with applicable regulatory requirements. Conducts audits and reviews/analyzes data and documentation. Develops and implements procedures and test plans for assuring quality in a system development environment which supports large databases and applications.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Software Architect II**

**Functional Responsibility:** Under minimal supervision designs, develops and contributes to the application process by providing advice relating to the use of application frameworks, system and application design, coding and design standards, best practices, and system performance and availability, building java-based software solutions to meet client needs. Develops system architectures and strategies for assigned projects. Researches, designs, and writes software to specifications, either individually or leading a team of other architects. Provides technical and architectural guidance to the architectural team in areas of both design and coding.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Software Architect III**

**Functional Responsibility:** Designs and heads, develops, and contributes to the application process by providing advice relating to the use of application framework, system and application design, coding and design standards, best practices, and system performance and availability, building java-based software solutions to meet client needs. Develops and presents system architectures and strategies for assigned projects. Researches, designs, and writes software to specifications, either individually or leading a team of other architects. Provides technical and architectural guidance to the architectural team in areas of both design and coding.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Software Developer - Web Applications II**

**Functional Responsibility:** Under minimal supervision, supports the design and development of web sites using a variety of software applications, techniques, and tools. Develops users interfaces, server and client-side code. Implements frameworks. Designs the website to support the organization's strategies and goals relative to external communications.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Software Developer - Web Applications III**

**Functional Responsibility:** At a senior-level designs and develops web sites using a variety of software applications, techniques, and tools. Develops the design of users interfaces, server and client-side code. Implements frameworks. Supports the development and design of the site-architecture, layout, and description of user interactions. Designs the website to support the organization's strategies and goals relative to external communications and advise business stakeholders on website design.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

#### **Software Developer - Web Applications IV**

**Functional Responsibility:** At a master-level designs and develops web sites using a variety of software applications, techniques, and tools. Designs and articulates site architecture, site features, intended user interactions. Determines appropriate web frameworks. Defines server-client interaction model. Designs the website to support the organization's strategies and goals relative to external communications and advise business stakeholders on website design.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

#### **Information Technology Subject Matter Expert II**

**Functional Responsibility:** Serves as an journeyman-level IT subject matter expert, possessing detailed and specific domain knowledge, such as computer science, IT engineering, or Information Technology related fields. Provides detailed domain specific knowledge and analysis of specialized applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on complex problems that require the specific knowledge of the subject matter for effective implementation. May participate as needed in some phases of software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Applies principles, methods and knowledge of the functional area of capability to specific task order requirements, advanced mathematical principles and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated solutions.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

#### **Information Technology Subject Matter Expert III**

**Functional Responsibility:** Serves as an senior-level IT subject matter expert, possessing in-depth knowledge, such as computer science, IT engineering, or Information Technology related fields. Provides technical and domain specific knowledge and analysis of highly specialized applications and operational environments, high-level functional systems analysis, design, integration, documentation and implementation advice on particularly complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Applies principles, methods and knowledge of the functional area of capability to specific task order requirements, advanced mathematical principles and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated solutions.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

#### **Information Technology Subject Matter Expert IV**

**Functional Responsibility:** Serves as a master-level IT subject matter expert, possessing near-complete knowledge concerning a particular domain, such as computer science, IT engineering, or Information Technology related fields. Provides highly technical and domain specific knowledge and analysis of highly specialized applications and operational environments, high-&-low-level functional systems analysis, design, integration, documentation and implementation advice on exceptionally complex problems that need extensive knowledge of the subject matter for effective implementation. Participates as needed in all phases of software development with emphasis on the planning, analysis, testing, integration, documentation, and presentation phases. Applies principles, methods and knowledge of the functional area of capability to specific task order requirements, advanced mathematical principles and methods to exceptionally difficult and narrowly defined technical problems in engineering and other scientific applications to arrive at automated solutions.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **System Analyst I**

**Functional Responsibilities:** Under direct supervision, performs a variety of technical tasks including requirements and cost analyses; technical specs; software design, development, and integration; database design and analysis; and technical operations support.

**Minimum Experience:** Degree or 3 years planning for, analyzing, and designing computer systems, including application software, DBMS, and networking.

**Minimum Education:** Bachelors in CS, IRM, IS, Math, related fields

### **System Analyst II**

**Functional Responsibilities:**

With limited supervision, performs a variety of technical tasks including requirements and cost analyses; technical specs; software design, development, and integration; database design and analysis; and technical operations support.

**Minimum Experience:** 3 years planning for, analyzing, and designing increasingly complex computer systems, including application software, DBMS, and networking.

**Minimum Education:** Bachelors in CS, IRM, IS, Math, related fields

### **System Analyst III**

**Functional Responsibilities:** Serving as senior analyst and frequently managing other analysts and/or other technical personnel, performs a variety of technical tasks including requirements and cost analyses; technical specs; software design, development, and integration; database design and analysis; and technical operations support.

**Minimum Experience:** 6 years planning for, analyzing, and designing complex computer systems, including application software, DBMS, and networking.

**Minimum Education:** Bachelors in CS, IRM, IS, Math, related fields

### **System Network Administrator I**

**Functional Responsibilities:** Under direct supervision, installs new users; maintains user ID accounts, assigns names and mailboxes; monitors and evaluates performance; installs and configures hardware and software; evaluates hardware and software; trouble-shoots and resolves system and network problems.

**Minimum Experience:** Without a degree, 3 years administering, installing, maintaining, monitoring, and managing systems and networks. Requires experience with one or more of the following: Novell, Windows NT, UNIX, Macintosh, and IBM/VS. May require certifications.

**Minimum Education:** Bachelors in CS, IRM, IS, ES, related fields

### **System Network Administrator II**

**Functional Responsibilities:** Under limited supervision, installs new users; maintains user ID accounts, assigns names and mailboxes; monitors and evaluates performance; installs and configures hardware and software; evaluates hardware and software; trouble-shoots and resolves system and network problems.

**Minimum Experience:** 3 years administering, installing, maintaining, monitoring, and managing systems and networks. Requires experience with one or more of the following: Novell, Windows NT, UNIX, Macintosh, and IBM/VS. May require certifications.

**Minimum Education:** Bachelors in CS, IRM, IS, ES, related fields

### **System Network Administrator III**

**Functional Responsibilities:** Managing and directing other system network administrators, installs new users; maintains user ID accounts, assigns names and mailboxes; monitors and evaluates performance; installs and configures hardware and software; evaluates hardware and software; trouble-shoots and resolves system and network problems.

**Minimum Experience:** 6 years administering, installing, maintaining, monitoring, and managing systems and networks. Requires experience with one or more of the following: Novell, Windows NT, UNIX, Macintosh, and IBM/VS. May require certifications.

**Minimum Education:** Bachelors in CS, IRM, IS, ES, related fields

### **System/Network Engineer I**

**Functional Responsibilities:** Under direct supervision, performs a variety of telecommunications tasks including designing, integrating, and maintaining new and existing and proposed enterprise-wide voice, data, and video telecommunications systems; trouble-shoots network operations and usage; and provides end user support.

**Minimum Experience:** A bachelors degree in appropriate discipline or 3 years designing, implementing and integrating, and supporting network solutions between multiple platforms. Requires strong analytical and telecommunications skills. Certifications are a plus.

**Minimum Education:** Bachelors in EE, Telecomm, CS, related fields

### **System/Network Engineer II**

**Functional Responsibilities:** Under limited supervision, performs a variety of telecommunications tasks including designing, integrating, and maintaining new and existing and proposed enterprise-wide voice, data, and video telecommunications systems; trouble-shoots network operations and usage; and provides end user support.

**Minimum Experience:** 3 years designing, implementing and integrating, and supporting network solutions between multiple platforms. Requires strong analytical and telecommunications skills. Certifications are a plus.

**Minimum Education:** Bachelors in EE, Telecomm, CS, related fields

### **System/Network Engineer III**

**Functional Responsibilities:** Serving as primary technical contributor and frequently managing other technical personnel, performs a variety of telecommunications tasks including designing, integrating, and maintaining new and existing and proposed enterprise-wide voice, data, and video telecommunications systems; trouble-shoots network operations and usage; and provides end user support.

**Minimum Experience:** 6 years designing, implementing and integrating, and supporting network solutions between multiple platforms. Requires strong analytical and telecommunications skills and experience with WANs, MANs, and LANs. Certifications are a plus.

**Minimum Education:** Bachelors in EE, Telecomm, CS, related fields

### **Systems/Network Engineer IV**

**Functional Responsibilities:** Serves as task leader and primary company system/network engineer; provides management and technical direction to System/Network Engineers at Level III or below; manages other technical personnel, performs a variety of telecommunications tasks including designing and integrating existing and new enterprise-wide voice, data, and video telecommunications systems between multiple platforms. Must possess strong analytical and telecommunication skills and experience with WANs, LANs, and MANs. Must be an expert system/network engineer with demonstrated experience in three or more current technologies such as Windows NT, CISCO, UNIX or Apple.

**Minimum Experience:** 10 years and an expert in communication networks engineering. Must be an expert in 3 or more technologies, including but not limited to: Windows NT, UNIX, CISCO, or Apple.

**Minimum Education:** Bachelors in EE, CS, related fields

### **Systems Administrator II**

**Functional Responsibility:** Under minimal supervision, configures and operates information management systems. Provides the day-to-day system administration to include system and resource optimization, and user assistance. Conducts and reports capacity and performance analyses. Increases system administrator efficiency and accuracy via the use of automated tools and scripts, develops system administrator procedures, and conducts system administrator training and skills assessment. Determines computer user needs; analyzes system capabilities and programming techniques and controls.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Systems Administrator III**

**Functional Responsibility:** Configures and operates information management systems and may supervise those who do. Supervises and provides the day-to-day system administration to include system and resource optimization, and user assistance. Conducts capacity and performance analysis, and provides system configuration change and upgrade recommendations. Increases system administrator efficiency and accuracy via the use of automated tools and scripts, develops system administrator procedures, and conducts system administrator training and skills assessment. Determines computer user needs; analyzes system capabilities and programming techniques and controls.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Systems Engineer II**

**Functional Responsibility:** Under minimal supervision evaluates, develops, and delivers technical input to the systems engineering process. Develops technical documentation, system architecture, and system design documentation. Interacts with the customer regarding Systems Engineering technical considerations. Receives and reviews computer hardware, network, software or VTC specifications. Oversees the technical integrity of work performed and deliverables associated with the Systems Engineering area of responsibility. Communicates with other program personnel, Government overseers, and senior executives.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Systems Engineer III**

**Functional Responsibility:** Evaluates, develops, and delivers technical input to the systems engineering process. Develops and supervises the development of technical documentation, system architecture, and system design documentation. Interacts with the customer regarding Systems Engineering technical considerations and for associated problems, issues, or conflicts. Receives, reviews, and provides senior level technical advice on computer hardware, network, software or VTC specifications. Oversees the technical integrity of work performed and deliverables associated with the Systems Engineering area of responsibility. Communicates with other program personnel, Government overseers, and senior executives.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Systems Engineer IV**

**Functional Responsibility:** Provides master-level technical advice concerning the evaluation and development of technical input to the systems engineering process. Develops, supervises the development of, and evaluates technical documentation, system architecture, and system design documentation. Interacts with the customer regarding Systems Engineering technical considerations and for associated problems, issues, or conflicts. Receives, reviews, and provides master level technical advice on computer hardware, network, software or VTC specifications. Oversees the technical integrity of work performed and deliverables associated with the Systems Engineering area of responsibility. Communicates with other program personnel, Government overseers, and senior executives.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Tech Writer/Editor I**

#### **Functional Responsibilities:**

Under direct supervision, provides technical writing and editing of computer system documentation, computer newsletters, automated information systems documents, and electronic bulletin boards.

**Minimum Experience:** BA/BS or 3 years as a technical writer and/or editor

**Minimum Education:** BS/BS in CS, Journalism, English

### **Tech Writer/Editor II**

**Functional Responsibilities:** With minimal supervision, provides technical writing and editing of computer system documentation, computer newsletters, automated information systems documents, and electronic bulletin boards.

**Minimum Experience:** 3 years as a technical writer and/or editor

**Minimum Education:** BS/BS in CS, Journalism, English

### **Tech Writer/Editor III**

**Functional Responsibilities:** As the lead writer/editor, provides technical writing and editing of computer system documentation, computer newsletters, automated information systems documents, and electronic bulletin boards.

**Minimum Experience:** 6 years as a technical writer and/or editor

**Minimum Education:** BS/BS in CS, Journalism, English

### **Test Engineer II**

**Functional Responsibility:** Under minimal supervision evaluates, recommends, and implements automated test tools and strategies. Implements and conducts test and evaluation procedures to ensure system requirements are met. Maintains, upgrades and implements automated test scripts and architectures for application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. Serves as subject matter specialist providing testing know-how for the support of user requirements of complex to highly complex software/hardware applications. Directs and/or participates in all phases of risk management assessments and software/hardware development with emphasis on analysis of user requirements, test design and test tools selection.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Test Engineer III**

**Functional Responsibility:** Evaluates, recommends, and implements automated test tools and strategies and may supervise those who do. Designs, implements, and conducts test and evaluation procedures to ensure system requirements are met. Develops, maintains, upgrades, and implements automated test scripts and architectures for application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. Serves as subject matter specialist providing testing know-how for the support of user requirements of complex to highly complex software/hardware applications. Directs and/or participates in all phases of risk management assessments and software/hardware development with emphasis on analysis of user requirements, test design and test tools selection.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Test Engineer IV**

**Functional Responsibility:** Provides master-level evaluation, recommendation, and implementation of automated test tools and strategies and may supervise those who do. Designs, implements, and conducts test and evaluation procedures to ensure system requirements are met. Recommends and may contribute to the development, maintenance, upgrading and implementation of automated test scripts and architectures for application products. Also writes, implements, and reports status for system test cases for testing. Analyzes test cases and provides regular progress reports. Serves as subject matter specialist providing testing know-how for the support of user requirements of complex to highly complex software/hardware applications. Directs and/or participates in all phases of risk management assessments and software/hardware development with emphasis on analysis of user requirements, test design and test tools selection.

**Minimum Experience:** 8 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

### **Web Administrator II**

**Functional Responsibility:** Under minimal supervision administers and oversees daily operation of internal or external websites, ensuring system is available for internet traffic. Coordinates with end-users, and stakeholders to resolve technical issued effecting the user, or site. Evaluates, develops, and maintains file servers and related systems, and monitors the usage of them. Manages security, system performance, and system backup. Requires knowledge of operating systems and server software.

**Minimum Experience:** 2 years of related experience.

**Minimum Education:** Associate-level degree or equivalent years of experience

### **Web Administrator III**

**Functional Responsibility:** Administers and oversees daily operation of internal or external websites, ensuring system is available for internet traffic. Coordinates with end-users, and stakeholders to assign staff to resolve technical issued effecting the user, or site. Evaluates, develops, and maintains file servers and related systems, monitors the usage of them, and may provide recommendations for upgrades. Manages security, system performance, and system backup. Requires knowledge of operating systems and server software.

**Minimum Experience:** 5 years of related experience

**Minimum Education:** BS/BA or equivalent years of experience

<b>Service</b>	<b>GSA Price</b>
Administrative Assistant II	\$51.61
Audiovisual Engineer II	\$55.04
Audiovisual Engineer III	\$85.42
Audiovisual Engineer IV	\$95.22
Audiovisual Technician II	\$49.96
Audiovisual Technician III	\$52.84
Business Process Analyst II	\$72.01
Business Process Analyst III	\$81.20
Business Process Analyst IV	\$89.41
Cloud Architect II	\$111.51
Cloud Architect III	\$118.43
Cloud Architect IV	\$147.64
Communications Network Analyst I	\$53.13
Communications Network Analyst II	\$57.41
Communications Network Analyst III	\$84.93
Communications Network Analyst IV	\$111.79
Computer Scientist II	\$94.27
Computer Scientist III	\$96.77
Computer Scientist IV	\$116.13
Computer Support Specialist I	\$44.58
Computer Support Specialist II	\$47.90
Computer Support Specialist III	\$58.70
Computer Support Specialist IV	\$65.56
Configuration Management Specialist II	\$72.45
Configuration Management Specialist III	\$88.13
Configuration Management Specialist IV	\$94.71
Database Administrator II	\$65.91
Database Administrator III	\$99.09
Database Administrator IV	\$133.47
Database Architect III	\$123.42
Database Consultant	\$99.13
Disaster Recovery Specialist II	\$79.22
Disaster Recovery Specialist III	\$102.55
Enterprise Architect II	\$94.27
Enterprise Architect III	\$117.14
Enterprise Architect IV	\$132.61
Graphic Designer II	\$61.70
Graphic Designer III	\$69.48
Hardware Engineer II	\$58.68

Service	GSA Price
Hardware Engineer III	\$83.33
Help Desk Analyst I	\$46.48
Help Desk Analyst II	\$63.74
Help Desk Analyst III	\$81.26
Help Desk Manager	\$98.74
Information Assurance Specialist II	\$76.93
Information Assurance Specialist III	\$84.71
Information Assurance Specialist IV	\$112.99
Information Security Analyst I	\$42.74
Information Security Analyst II	\$97.86
Information Security Analyst III	\$143.51
Information Security Engineer II	\$96.77
Information Security Engineer III	\$111.94
Information Security Engineer IV	\$132.61
Information Systems Technician I	\$30.93
Information Systems Technician II	\$43.82
Information Systems Technician III	\$51.55
Instructor, Information Technology I	\$41.60
Instructor, Information Technology II	\$56.09
Instructor, Information Technology III	\$79.66
Instructor, Information Technology IV	\$121.96
IT Intern I	\$26.23
IT Intern II	\$28.74
IT Technologist	\$116.80
Network Administrator II	\$76.76
Network Administrator III	\$84.42
Network Architect III	\$94.72
Network Architect IV	\$113.89
Network Engineer II	\$84.00
Network Engineer III	\$103.24
Program Analyst I	\$47.26
Program Analyst II	\$59.48
Program Analyst III	\$71.79
Program Analyst IV	\$131.23
Program Director	\$136.76
Program Manager	\$112.87
Information Technology Program Manager II	\$112.03
Information Technology Program Manager III	\$122.71
Information Technology Program Manager IV	\$157.22
Programmer/DBMS Specialist I	\$52.22

<b>Service</b>	<b>GSA Price</b>
Programmer/DBMS Specialist II	\$61.76
Programmer/DBMS Specialist III	\$82.13
Project Manager I	\$63.41
Project Manager II	\$91.66
Project Manager III	\$105.41
Quality Assurance Specialist II	\$61.87
Quality Assurance Specialist III	\$78.35
Quality Assurance Specialist IV	\$83.84
Software Architect II	\$101.13
Software Architect III	\$113.77
Software Developer - Web Applications II	\$84.88
Software Developer - Web Applications III	\$96.24
Software Developer - Web Applications IV	\$105.95
Information Technology Subject Matter Expert II	\$100.03
Information Technology Subject Matter Expert III	\$116.13
Information Technology Subject Matter Expert IV	\$132.61
Systems Administrator II	\$86.00
Systems Administrator III	\$115.91
System Analyst I	\$37.96
System Analyst II	\$73.97
System Analyst III	\$88.82
Systems Engineer II	\$93.45
Systems Engineer III	\$98.94
Systems Engineer IV	\$116.13
System Network Administrator I	\$42.76
System Network Administrator II	\$58.42
System Network Administrator III	\$86.00
System/Network Engineer I	\$41.88
System/Network Engineer II	\$90.29
System/Network Engineer III	\$100.90
System/Network Engineer IV	\$121.39
Tech Writer/Editor I	\$42.05
Tech Writer/Editor II	\$53.11
Tech Writer/Editor III	\$73.40
Test Engineer II	\$97.46
Test Engineer III	\$96.77
Test Engineer IV	\$116.13
Web Administrator II	\$83.18
Web Administrator III	\$91.46