

# **Technica**<sup>®</sup>

General Services Administration

Federal Supply Service

Authorized Federal Supply Schedule Pricelist

*On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order is available through GSA Advantage!<sup>™</sup>, a menu-driven database system. The INTERNET address for GSA Advantage!<sup>™</sup> is: <http://www.GSAAdvantage.gov>.*

**MULTIPLE AWARD SCHEDULE (MAS)**

**Category F, Information Technology (IT)**

**Subcategory: F03, IT Professional Services, FSC/PSC Code: D399**

**Contract Number: GS-35F-0171V**

*For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at <http://www.gsa.gov/schedules-ordering>*

Contract Period: January 15, 2009 –January 14, 2024

Current through Modification: MAS Mod A812, July 24, 2020

22970 Indian Creek Drive, Suite 500

Sterling, VA 20166

Phone: 703/662-2000 | Fax: 703/662-2001

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[www.TechnicaCorp.com](http://www.TechnicaCorp.com)

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1. INFORMATION FOR ORDERING ACTIVITIES

1. SPECIAL ITEM NUMBERS (SINS)

a. Table of awarded Special Item Numbers (SINs)

Special Item Number	FSC Class/FPDS Code	Products/Services
54151S, 54151SRC, STLOC	FPDS Code D399	IT Professional Services
OLM, OLMRC, STLOC		Order-Level Materials

- b. Prices shown in the pricelist are net.
- c. Descriptions of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who perform services are provided beginning on page 4.

2. MAXIMUM ORDER

- a. The Maximum Order for the following Special Item Number is \$500,000:  
Special Item Number 54151S - Information Technology Professional Services
- b. The Maximum Order for the following Special Item Number is \$250,000:  
Special Item Number OLM, Order-Level Materials

3. MINIMUM ORDER

- a. The minimum dollar of orders to be issued is \$100.00

4. GEOGRAPHIC COVERAGE (delivery area)

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

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

- ✓ The Geographic Scope of Contract is domestic delivery only.

5. POINT(S) OF PRODUCTION

**Technica Corporation**

22970 Indian Creek Drive, Suite 500  
Sterling, VA 20166  
Phone: 703/662-2000 | Fax: 703/662-2001  
[www.TechnicaCorp.com](http://www.TechnicaCorp.com)

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

**7. QUANTITY DISCOUNTS**

- a. Quantity – None
- b. Dollar Volume – None

**8. PROMPT PAYMENT:** 0% 30 days from receipt of invoice or date of acceptance, whichever is later. Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

**9. GOVERNMENT PURCHASE CARDS**

- a. Contractors are required to accept credit cards for payments equal to or less than the micro-purchase threshold for oral or written delivery orders.
- b. Credit cards are acceptable for payment above the micro-purchase threshold. In addition, bank account information for wire transfer payments will be shown on the invoice.

**10. FOREIGN ITEMS:** Not applicable.

**11. DELIVERY SCHEDULE**

- a. **TIME OF DELIVERY:** The Contractor shall deliver to destination within the number of calendar days after receipt of order (ARO), as set forth below.

<u>Special Item Number</u>	<u>Delivery Time (Days ARO)</u>
54151S, 54151SRC, STLOC, IT Professional Services	As negotiated between Technica and the Ordering Activity

- b. **EXPEDITED DELIVERY:** As negotiated between Technica and the Ordering Activity.
- c. **OVERNIGHT AND 2-DAY DELIVERY:** As negotiated between Technica and the Ordering Activity.
- d. **URGENT REQUIREMENTS:** As negotiated between Technica and the Ordering Activity.

**12. FOB: Destination**

**13. ORDERING INFORMATION**

- a. Agencies should address all orders to the following address.

**Technica Corporation**  
22970 Indian Creek Drive, Suite 500  
Sterling, VA 20166  
Phone: 703/662-2000 | Fax: 703/662-2001  
[www.TechnicaCorp.com](http://www.TechnicaCorp.com)  
E-Mail: [tfletcher@technicacorp.com](mailto:tfletcher@technicacorp.com)



- b. 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 INFORMATION**

- a. Agencies should address all payments to the following address.

**Technica Corporation**  
22970 Indian Creek Drive, Suite 500  
Sterling, VA 20166

- b. The following telephone number(s) can be used by ordering activities to obtain technical and/or ordering assistance.

Phone: 703/662-2000 | Fax: 703/662-2001

**15. WARRANTY PROVISION: Standard Commercial Warranty.**

**16. STATEMENT CONCERNING AVAILABILITY OF EXPORT PACKING: Not applicable**

**17. TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE ABOVE THE MICROPURCHASE THRESHOLD**

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

**18. TERMS AND CONDITIONS OF RENTAL, MAINTENANCE, AND REPAIR (if applicable). Not Applicable**

**19. TERMS AND CONDITIONS OF INSTALLATION (if applicable). Not applicable**

**20. TERMS AND CONDITIONS OF REPAIR PARTS INDICATING DATE OF PARTS PRICE LISTS AND ANY DISCOUNTS FROM LIST PRICES (if applicable). Not applicable**

**20A. TERMS AND CONDITIONS FOR ANY OTHER SERVICES (if applicable). Not applicable**

**21. LIST OF SERVICE AND DISTRIBUTION POINTS (if applicable). Not applicable**

**22. LIST OF PARTICIPATING DEALERS (if applicable). Not applicable**

**23. PREVENTIVE MAINTENANCE (if applicable). Not Applicable**

**24. ENVIRONMENTAL ATTRIBUTES:**

- a. None
- b. Section 508 compliance information, where applicable is available on the following website. [www.TechnicaCorp.com](http://www.TechnicaCorp.com)

The EIT standard can be found at: [www.Section508.gov/](http://www.Section508.gov/).

**25. DATA UNIVERSAL NUMBER SYSTEM (DUNS) NUMBER: 83-782-9084**

**26. Contractor HAS registered with the System for Award Management (SAM).**

## 2. TERMS AND CONDITIONS FOR ALL IT CONTRACTORS

### 1. ORGANIZATIONAL CONFLICTS OF INTEREST

#### a. Definitions.

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

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

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

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

### 2. SERVICES PERFORMED

- #### a.
- All services performed by the Contractor under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.
- #### b.
- The Contractor shall commence performance of services on the date agreed to by the Contractor and the ordering activity.
- #### c.
- The Contractor agrees to render services only during normal working hours, unless otherwise agreed to by the Contractor and the ordering activity.

### 3. TRAVEL

Any Contractor travel required in the performance of services must comply with the Pub. L. 99-234 and FAR Part 31.205-46, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all Contractor travel.

### 4. WARRANTY

- #### a.
- Unless otherwise specified in this contract, the Contractor's standard commercial warranty as stated in the contract's commercial pricelist will apply to this contract.
- #### b.
- The Contractor's commercial guarantee/warranty shall be included in the Commercial Supplier Agreement to include Enterprise User License Agreements or Terms of Service (TOS) agreements, if applicable.

- c. Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.

### 3. DESCRIPTION OF IT PROFESSIONAL SERVICES

Technica Corporation is a technology services and solutions provider. We specialize in leading-edge voice and data networks and information systems involving the skillful integration of dozens of products and technologies supporting hundreds to even thousands of users.

We provide a broad range of services within the following categories: Global Network Systems Design and Implementation; Storage Area Networks, IP/MPLS, Enterprise Security Design and Implementation, Network Performance and Testing Services.

**APPLICATIONS ARCHITECT I: Functional Responsibility:** The Applications Architect I establishes and analyzes IT system information requirements and design specifications using methodologies for the development of large-scale information technology software systems. The AA designs the software architecture in terms of block diagrams and logic flow charts, translates architecture and entailed design into IT computer software, with appropriate refinements to include testing and debugging to produce the required information technology product. The AA provides technical leadership in the development of IT software using formal specifications, databases management systems (DBMS) projects, and/or design of software tools and subsystems to support software reuse and domain analyses. The AA enhances IT software and ensures compatibility in cases of rehosting, or migration of databases. Assists in estimating IT software development costs and schedule and supports software configuration management. Prepares required documentation including project plans, software program and user documentation, and possesses knowledge of state-of-the-art computer systems, high-level computer languages, and database management systems. **Education:** Bachelor's Degree. **Experience:** 0 years.

**APPLICATIONS PROGRAMMER: Functional Responsibility:** The Applications Programmer builds and codes applications and/or modules using languages such as C++, visual basic, ABAP, JAVA, XTML, etc. The Applications Programmer provides patches and upgrades to existing systems and can design graphical user interface (GUI) to meet the specific needs of users. The Applications Programmer prepares operating instructions, compiles documentation of program development, and analyzes system capabilities to resolve questions of program intent, output requirements, input data acquisition, programming techniques, and controls. The Applications Programmer can build add-on modules using application program language. **Education:** Bachelor's Degree **Experience:** 4 years

**ARCHITECT III: Functional Responsibility:** Applies systems and software engineering tools and techniques to develop architectural deliverables at a systems level. Analyzes systems and technology integration requirements across multiple applications. Evaluates analytically and systematically problems of workflows, organization, and planning and develops appropriate corrective action plans. Provides daily supervision and direction to staff. Provides functional guidance, supervision, technical support, training and quality assurance/quality control to Associate and Intermediate personnel. Supports senior staff as required and ensures customer requirements and project milestones are met. **Education:** Bachelor's Degree. **Experience:** 5 years.



**Architect IV: Functional Responsibility:** The Architect IV applies systems and software engineering tools and techniques to develop architectural deliverables at a systems level. In this capacity, the Architect IV analyzes systems and technology integration requirements across multiple applications. The Architect IV communicates and works closely with process and system owners, information technology management, peers, and technical staff to ensure the relevance of architecture and system designs to business process requirements. The architecting staff can supplement an existing organization or, in concert with other functional areas, can provide complete project fulfillment. **Education:** Bachelor's Degree **Experience:** 9 years

**COMMUNICATION NETWORK DATABASE ANALYST: Functional Responsibility:** Analyzes DISN data from multiple data sources. Specific sources include, DSN, DRSN, DATMS, ATM, IP networks and GIG-BE data sources. Duties include, performing data manipulation to standardize data for NMS applications. Maintains site and equipment graphics, library objects and core configurations. Interacts with local and remote customers on a daily basis to provide day to day support. **Education:** Bachelor's Degree. **Experience:** 3 years.

**COMMUNICATION TRANSMISSION ENGINEER, SENIOR LEVEL: Functional Responsibility:** Maintains smooth operation of local area, worldwide and virtual private networks (VPN). Plans, evaluates, and coordinates installation and/or reconfiguration of hardware and software elements of data and/or voice communication network. Maintains technical expertise in all areas of networks and computer hardware and software interconnection and interfacing, such as routers, multiplexers, firewalls, hubs, bridges, gateways, etc. May propose solutions to management to ensure all communications requirements based on future needs and current usage, configuring such solutions to optimize cost savings. Prepares or ensures that appropriate network documentation exists, including operational instructions. Provides regular monitoring and network analysis regarding short- and long-range planning for in-house systems. May coordinate third-party maintenance for network equipment. May design network or portion of network that include selection of hardware and software packages. **Education:** Bachelor's Degree. **Experience:** 5 years.

**COMMUNICATIONS SPECIALIST LEVEL III: Functional Responsibility:** Resolves complex service problems; performs expert maintenance; and installs, configures and tests all types of data communications equipment and services. Troubleshoots network hardware using test instruments and monitoring and diagnostic programs. Prepares communications equipment for installation by testing, calibrating, or modifying equipment as required. Maintains data network equipment and services to ensure working order and demand availability by performing scheduled, routine on-line test and by checking, adjusting, or replacing equipment to established standards. **Education:** Bachelor's Degree. **Experience:** 6 years.

**COMPUTER SYSTEM PROGRAMMER: Functional Responsibility:** The Computer System Programmer creates and/or maintains operating systems, computer software, database packages, compilers, assemblers, and utility programs. The Computer System Programmer modifies existing software as well as creates special-purpose software to

ensure efficiency and integrity between systems and applications. **Education:** Bachelor's Degree. **Experience:** 1 year

**CONSULTANT ASSOCIATE: Functional Responsibility:** Working directly with customer engineers, applies focused expertise as a specialist in the planning, deployment, operation and/or enhancement of advanced telecommunications networks. Plans, coordinates and performs complex assignments under minimal supervision. Compares network architecture alternatives for interfacing transmission, switching, bandwidth management and network operations equipment and functions. Established details for implementing new means of achieving provisioning and billing process/system requirements. Translates process requirements into action plans. Addresses technical and procedural issues raised by government and DISN contractors, as related to best industry practices. **Education:** Bachelor's Degree. **Experience:** 4 years.

**CONSULTANT INTERMEDIATE: Functional Responsibility:** Works directly with customer management in applying advanced principles, theories and concepts to a wide range of work in the areas of planning, deployment, operation and/or enhancement of advanced telecommunications and information technology systems networks. Works on complex problems and provides solutions that are innovative and often involve re-evaluation of established theories and practices, leading to new and creative solutions to problems. Defines network architecture alternative for interfacing transmission, switching, bandwidth management and network operations equipment and functions. Develops new means of achieving provisioning and billing process/system requirements. Resolves technical and procedural issues raised by government and DISN contractors, as related to best industry practices. Provides practical guidance on deployment planning for new network/service rollouts and for transition from existing networks. Develops alternative technical solutions in situations where customer has conflicting advice. Provides functional guidance, supervision, technical support, training and quality assurance/quality control to Associate personnel. **Education:** Bachelor's Degree. **Experience:** 7 years.

**CONSULTANT LEAD: Functional Responsibility:** Working directly with customer management, applies highly advanced principles, theories and concepts that contribute to sustained technical excellence of solutions. Manages the technical output of other Consultants or works independently on unstructured problems and issues involving multivariate factors based on factual or hypothetical data-solution may be innovative or original in nature. Defines leading edge concepts for planning, deployment, operation and/or enhancement of advanced telecommunications networks. Guides others on solution paths for resolving problems. Assesses technical and cost impact of military versus commercial functional requirements on options. Establishes technical recommendations in situations where customer has conflicting advice. Provides functional guidance, supervision, technical support, training and quality assurance/quality control to Associate and Intermediate personnel. Supports senior staff as required and ensures customer requirements and project milestones are met. **Education:** Bachelor's Degree. **Experience:** 10 years.

## **DATA COMMUNICATIONS MANAGER OR VOICE COMMUNICATIONS**

**MANGER: Functional Responsibility:** Ensures that adequate and appropriate planning is provided for remote hardware and communications facilities to develop and implement

methodologies for analysis, installation and support of distributed processing client/server systems. Provides coordination in the analysis, acquisition and installation of hardware, software and facilities. Manages the training and efforts of a staff engaged in systems and network planning, analysis and monitoring activities. **Education:** Bachelor's Degree. **Experience:** 1 year.

**DISN TRANSPORT FIELD SUPPORT TECHNICIAN: Functional Responsibility:**

Provides on-site technical support for multiple DISN networks and services to include ATM, Integrated Digital Network Exchange IDNX, and SONET Transmission Manager (STM), as well as cryptographic equipment and Modem's to support these systems. Performs telecommunications hardware operations such as preventive, routine, and demand maintenance services on these systems at specified DISN sites. Based upon established guidelines per location or program, determines and initiates appropriate repair, replacement, or restock action(s). Performs installation, configuration/re-configuration, upgrade, and integration services for hardware and software associated with these systems. Troubleshoots hardware using test instruments and monitoring/diagnostic programs. Performs or assists as necessary with software update/upgrade implementation and testing. Provides tech support for field-testing actions and other projects as required. Identifies logistical shortfalls or problem areas associated with the maintenance posture overall; recommends solutions and/or alternate courses of action. Interfaces with appropriate government, contractor and commercial vendor points of contact (RNOSC, COTR, Site/Program Coordinator(s), Task Manager, Logistics Support, Reps., etc.) prior to, during, and after events (repair, upgrade, etc.) to coordinate effect and document actions. Provides functional guidance, supervision, technical support, training, and quality assurance/quality control as necessary. **Education:** Bachelor's Degree. **Experience:** 1 year.

**HARDWARE/SOFTWARE INSTALLATION TECHNICIAN LEAD: Functional**

**Responsibility:** Responsible for resolving service problems; performing expert maintenance; and installing configuring and testing all types of data communications equipment. Troubleshoots network hardware using test instruments and diagnostic programs. Maintains data network equipment and services to ensure working order and demand availability by performing scheduled, routine on-line test and by checking, adjusting, or replacing equipment to establish standards. Installs and tests various communications equipment and services to specified configurations and ensures proper working order for new or updated network service. Responsible for organizing and performing Site Surveys. Analyzes existing and develops new hardware requirements and prepares specifications for hardware acquisitions. Directs and leads preparation of engineering plans and site installation Technical Design Packages. Directs and leads preparation of drawings documenting configuration changes at each site. Prepares site installation and test reports. Coordinates post installation operations and maintenance support. Provides functional guidance, supervision, technical support, training and quality assurance/quality control to Associate and Intermediate personnel. Supports senior staff as required and ensures customer requirements and project milestones are met. **Education:** Bachelor's Degree. **Experience:** 3 years.

**HARDWARE/SOFTWARE SPECIALIST INTERMEDIATE: Functional**

**Responsibility:** Analyzes network and computer communications hardware characteristics

and recommends equipment procurement, removals, and modifications. Adds, deletes, and modifies, as required, host, terminal, and network devices. Assists and coordinates with communications network specialists in the area of communications hardware. Provides functional guidance, supervision, technical support, training and quality assurance/quality control to Associate personnel. **Education:** Bachelor's Degree. **Experience:** 1 year.

**HARDWARE/SOFTWARE SPECIALIST LEAD: Functional Responsibility:**

Performs a variety of electronic and technical assignments on data communications equipment and systems under general supervision. Completes terminal troubleshooting using appropriate diagnostic equipment. Installs terminals, controllers, and test equipment and restores nonworking lines and/or equipment to working condition. Maintains liaison with outside vendors and orders circuits and/or equipment as required. Requires knowledge of specific modems, test equipment, and terminal configuration. May develop recommendations for the combined usage of data processing and telephone system hardware and software. **Education:** Bachelor's Degree. **Experience:** 3 years.

**IA-SECURITY ENGINEER II: Functional Responsibility:** The IA-Security Engineer II assists in the analysis and definition of security requirements for Computer Systems Security (CSS) issues. Assists with design; helps develop, engineer, and implement solutions to CSS requirements. The IA-Security Engineer II gathers and organizes technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the CSS arena. The IA-Security Engineer II performs risk analyses that also include risk assessment. **Education:** Bachelor's Degree.

**Experience:** 2 years

**IA-SECURITY ENGINEER III: Functional Responsibility:** The IA-Security Engineer III analyzes and defines security requirements for Computer Systems Security (CSS) issues. Designs, develops, engineers, and implements solutions to CSS requirements. The IA-Security Engineer III gathers and organizes technical information about an organization's mission goals and needs, existing security products, and ongoing programs in the CSS arena. The IA-Security Engineer III performs risk analyses that also include risk assessment. **Education:** Bachelor's Degree. **Experience:** 5 years.

**IT CONSULTANT I: Functional Responsibility:** The IT Consultant I works directly with customer engineers and applies expertise in the planning, deployment, operation, and/or enhancement of advanced telecommunications networks. The IT Consultant I assists in planning, coordinating, and performing complex assignments under minimal supervision. Compares network architecture alternatives for interfacing transmission, switching, bandwidth management, and network operations equipment and functions. The IT Consultant I assists with establishing details for implementing new means of achieving provisioning and billing process/system requirements and translates process requirements into action plans. Assist with addressing technical and procedural issues raised by Government and DISN contractors, as related to best industry practices. **Education:** Bachelor's Degree. **Experience:** 6 years.

**IT CONSULTANT II: Functional Responsibility:** The IT Consultant II works directly with customer engineers and applies focused expertise as a specialist in the planning, deployment, Minimum/General Experience: Eight years. operation, and/or enhancement

of advanced telecommunications networks. The IT Consultant II plans, coordinates, and performs complex assignments. Compares network architecture alternatives for interfacing transmission, switching, bandwidth management, and network operations equipment and functions. The IT Consultant II establishes details for implementing new means of achieving provisioning and billing process/system requirements and translates process requirements into action plans. The IT Consultant II addresses technical and procedural issues raised by Government and DISN contractors, as related to best industry practices.

**Education:** Master's Degree. **Experience:** 8 years.

**IT CONSULTANT III: Functional Responsibility:** The IT Consultant III works directly with customer engineers and applies focused expertise as a specialist in the planning, deployment, operation, and/or enhancement of advanced IT and telecommunications networks. The IT Consultant III plans, coordinates, and performs complex assignments. Compares network architecture alternatives for interfacing transmission, switching, bandwidth management, and network operations equipment and functions. The IT Consultant III establishes details for implementing new means of achieving provisioning and billing process/system requirements and translates process requirements into action plans. The IT Consultant III addresses technical and procedural issues raised by Government and DISN contractors, as related to best industry practices. **Education:** Master's Degree. **Education:** 10 years

**IT CONSULTANT IV: Functional Responsibility:** The IT Consultant IV works directly with customer engineers and applies focused expertise as a specialist in the planning, deployment, operation, and/or enhancement of advanced IT and telecommunications networks. The IT Consultant IV plans, coordinates, and performs complex assignments. Compares network architecture alternatives for interfacing transmission, switching, bandwidth management, and network operations equipment and functions. The IT Consultant IV establishes details for implementing new means of achieving provisioning and billing process/system requirements and translates process requirements into action plans. The IT Consultant IV addresses technical and procedural issues raised by Government and DISN contractors, as related to best industry practices. **Education:** Master's Degree. **Education:** 12 years

**LAN/WAN/MAN SPECIALIST, SENIOR LEVEL: Functional Responsibility:** Performs a variety of electronic and technical assignments on data communications equipment and systems under general supervision. Completes terminal troubleshooting using appropriate diagnostic equipment. Installs terminals, controllers, and test equipment and restores nonworking lines and/or equipment to working condition. Maintains liaison with outside vendors and orders circuits and/or equipment as required. Requires knowledge of specific modems, test equipment, and terminal configuration. May develop recommendations for the combined usage of data processing and telephone system hardware and software. **Education:** Bachelor's Degree **Experience:** 5 years.

**LIFE CYCLE MANAGEMENT (LMC) SPECIALIST: Functional Responsibility:** Provide acquisition planning, procurement, and technical expertise to resolve complex telecommunications problems requiring high-level analytical skills. Working knowledge of voice, data networks and other areas of telecommunications technology. Provides guidance and support in the following: technical analysis, systems engineering, cost studies,

cost/benefit analysis, acquisition planning and strategy, contract management, management analysis, re-engineering, project management, staffing, manuals, training, and financial analysis. Provides functional guidance, supervision, technical and training support, and quality assurance/quality control, as necessary. Supports senior staff as required and ensures customer requirements and project milestones are met. **Education:** Bachelor's Degree. **Experience:** 10 years.

**NATIONAL DEFENSE OPERATIONS ANALYST INTERMEDIATE: Functional Responsibility:** Provides professional expertise in national defense functional disciplines or areas with a particular focus on military Command, Control, and Intelligence (C3I) and combat support; interoperability of military tactical and fixed plant communications and information systems; DoD human resources; medical; Reserve Components; finance; procurement; material and depot management. Analyzes information systems requirements and rationalizes existing processes to achieve maximum interoperability, efficiency and efficacy among DoD C3I, Communications, and Combat/Combat Support and Combat Service Support systems as they apply to military operations, Assists in the development of new processes and doctrine for Joint and Combined military operations. **Education:** Bachelor's Degree. **Experience:** 3 years.

**NATIONAL DEFENSE OPERATIONS ANALYST LEAD: Functional Responsibility:** Provides professional expertise in national defense functional disciplines or areas with a particular focus on military Command, Control, and Intelligence (C3I) and combat support; interoperability of military tactical and fixed plant communications and information systems; DoD human resources; medical; Reserve Components; finance; procurement; material and depot management. Analyzes information systems requirements and rationalizes existing processes to achieve maximum interoperability, efficiency and efficacy among DoD C3I, Communications, and Combat/Combat Support and Combat Service Support systems as they apply to military operations, Assists in the development of new processes and doctrine for Joint and Combined military operations. **Education:** Bachelor's Degree. **Experience:** 5 years.

**NETWORK DESIGN ENGINEER I: Functional Responsibility:** Provides engineering direction to the design of network systems. Develops multiple alternate designs at each development level, and trade-off results that trigger iteration of the design process. Designs highly complex networks that typically link numerous computing platforms, operating systems, and network topologies across widely dispersed geographical areas. Responsible for the implementation of engineering processes that provide for timely and appropriate integration of all engineering disciplines to ensure a network system design that meets all requirements. Identifies problems and risk areas and mitigates their impact. Performs technical design reviews. **Education:** Bachelor's Degree. **Experience:** 2 years.

**NETWORK DESIGN ENGINEER LEVEL II: Functional Responsibility:** Provides leadership and engineering direction to the design of network systems. Develops and implements strategy for generating multiple alternate designs at each development level, and trade-off results that trigger iteration of the design process. Designs and implements highly complex networks that typically link numerous computing platforms, operating systems, and network topologies across widely dispersed geographical areas. Identifies

problems and risk areas and mitigates their impact. Performs technical design reviews.

**Education:** Bachelor's Degree. **Experience:** 4 years.

**NETWORK DESIGN ENGINEER LEVEL III: Functional Responsibility:** Provides leadership and engineering direction to the design of network systems. Develops and implements strategy for generating multiple alternate designs at each development level, and trade-off results that trigger iteration of the design process. Designs and implements highly complex networks that typically link numerous computing platforms, operating systems, and network topologies across widely dispersed geographical areas. Identifies problems and risk areas and mitigates their impact. Performs technical design reviews.

**Education:** Bachelor's Degree. **Experience:** 5 years.

**NETWORK ENGINEER II: Functional Responsibility:** The Network Engineer II provides support in services such as network design, network installation, systems engineering, hardware integration, systems architecture, space hardware design/build, aerospace technology, system modeling, etc. The Network Engineer II can help supplement an existing organization or in concert with other functional areas and can assist in providing complete project fulfillment. **Education:** Bachelor's Degree. **Experience:** 2 years.

**NETWORK ENGINEER III: Functional Responsibility:** The Network Engineer III provides services such as network design, network installation, systems engineering, hardware integration, systems architecture, space hardware design/build, aerospace technology, system modeling, etc. The Network Engineer III can help supplement an existing organization or in concert with other functional areas and can assist in providing complete project fulfillment. **Education:** Bachelor's Degree. **Experience:** 5 years.

**NETWORK ENGINEER IV: Functional Responsibility:** Provides services such as network design, network installation, systems engineering, hardware integration, systems architecture, space hardware design/build, aerospace technology, system modeling, etc. Provides technical engineering assistance to all phases of network development, operation and management. Monitors network topologies; develops and evaluates alternative utilization or configuration options. Monitors and reports network performance analysis to include individual circuit availability rates. Assists in network testing, technology insertion, and developmental software applications and evaluation/testing as required. Supplements an existing organization or in concert with other functional areas and can assist in providing complete project fulfillment. **Education:** Bachelor's Degree.

**Experience:** 6 years.

**NETWORK ENGINEER V: Functional Responsibility:** Provides services such as network design, network installation, systems engineering, hardware integration, systems architecture, space hardware design/build, aerospace technology, system modeling, etc. Provides technical engineering assistance to all phases of network development, operation and management. Monitors network topologies; develops and evaluates alternative utilization or configuration options. Conducts performance and trend analysis to include individual circuit availability rates. Develops processes and programs to enhance network performance and reliability. Conducts network testing, technology insertion, and developmental software application testing as required. Provides functional guidance, supervision, technical support, training and quality assurance/quality control to Associate

personnel. Supplements an existing organization or in concert with other functional areas and can assist in providing complete project fulfillment. **Education:** Bachelor's Degree. **Experience:** 9 years.

**NETWORK ENGINEER VI: Functional Responsibility:** Provides services such as network design, network installation, systems engineering, hardware integration, systems architecture, space hardware design/build, aerospace technology, system modeling, etc. Provides expert level technical engineering assistance to all phases of network development, operation and management. Monitors network topologies; develops and evaluates alternative utilization or configuration options. Conducts network performance and trend analysis to include individual circuit availability rates. Develops processes and programs to enhance network performance and reliability. Conducts network testing, supervises technology insertion, and evaluates developmental software applications. **Education:** Bachelor's Degree. **Experience:** 13 years.

**NETWORK ENGINEER, SENIOR LEVEL: Functional Responsibility:** Designs and plans network communications systems. Provides specifications and detailed schematics for network architecture. Provides specific detailed information for hardware and software selection, implementation techniques and tools for the most efficient solution to meet business needs, including present and future capacity requirements. Conducts testing of network design. Maintains technical expertise in all areas of network and computer hardware and software interconnection and interfacing, such as routers, multiplexers, firewalls, hubs, bridges, gateways, etc. Evaluates and reports on new communications technologies to enhance capabilities of the network. **Education:** Bachelor's Degree. **Experience:** 6 years.

**NETWORK/SYSTEMS TECHNICIAN: Functional Responsibility:** Entry-level network/systems position. Supports the configuration, operation, and information technology (IT)-related problem solving required to effectively maintain telecommunications networks and/or networked computing environments. **Education:** One or more Technical Certifications such as Cisco Certified Internetworking Expert (CCIE), Cisco Certified Network Professional (CCNP) or Microsoft Certified System Engineer (MSCE). **Experience:** 4 years.

**OPEN SYSTEMS ENGINEER ASSOCIATE: Functional Responsibility:** Applies software, hardware, and standards information technology skills in the analysis, specification, development, integration, and acquisition of open systems Information Management (IM) applications. Ensures these systems and applications are compliant with standards for open systems architectures, reference models, and profiles of standards -such as the IEEE Open Systems Environment (OSE) reference model -as they apply to the implementation and specification of IM solutions on the application platform, across the application program interface (API), and the external environment/software application. Evaluates and recommends commercial off the shelf (COTS) applications and methodologies that can be acquired to provide interoperable, portable, and scalable information technology solutions. Performs analysis and validation of reusable software/hardware components to ensure the integration of these components into interoperable IM designs. **Education:** Bachelor's Degree. **Experience:** 2 years



**OPEN SYSTEMS ENGINEER INTERMEDIATE: Functional Responsibility:** Applies software, hardware, and standards information technology skills in the analysis, specification, development, integration, and acquisition of open systems Information Management (IM) applications. Ensures these systems and applications are compliant with standards for open systems architectures, reference models, and profiles of standards -such as the IEEE Open Systems Environment (OSE) reference model as they apply to the implementation and specification of IM solutions on the application platform, across the application program interface (API), and the external environment/software application. Evaluates and recommends commercial off the shelf (COTS) applications and methodologies that can be acquired to provide interoperable, portable, and scalable information technology solutions. Performs analysis and validation of reusable software/hardware components to ensure the integration of these components into interoperable IM designs. Provides functional guidance, supervision, technical support, training and quality assurance/quality control to Associate personnel. **Education:** Bachelor's Degree. **Experience:** 4 years.

**OPEN SYSTEMS ENGINEER LEAD: Functional Responsibility:** Applies software, hardware, and standards information technology skills in the analysis, specification, development, integration, and acquisition of open systems Information Management (IM) applications. Ensures these systems and applications are compliant with standards for open systems architectures, reference models, and profiles of standards -such as the IEEE Open Systems Environment (OSE) reference model -as they apply to the implementation and specification of IM solutions on the application platform, across the application program interface (API), and the external environment/software application. Evaluates and recommends commercial off the shelf (COTS) applications and methodologies that can be acquired to provide interoperable, portable, and scalable information technology solutions. Performs analysis and validation of reusable software/hardware components to ensure the integration of these components into interoperable IM designs **Education:** Bachelor's Degree. **Experience:** 6 years.

**PROCESS ENGINEER III: Functional Responsibility:** The Process Engineer III analyzes business and technical processes to formulate and develop new and modified business information processing systems, such as production and inventory control systems, financial tracking systems, and marketing and human resources systems. The Process Engineer III helps represent the business unit to define requirements and business cases for information technology developments. The Process Engineer III coordinates with business and information technology teams, ascertaining system requirements such as program functions, output requirements, input data acquisition, and system techniques and controls. The position requires knowledge of e-commerce tools, computer system capabilities, business processes, and work flow. **Education:** Bachelor's Degree. **Experience:** 6 years

**PROCESS ENGINEER IV: Functional Responsibility:** The Process Engineer IV expertly analyzes business and technical processes to formulate and develop new and modified business information processing systems, such as production and inventory control systems, financial tracking systems, and marketing and human resources systems. The Process Engineer IV represents the business unit to define requirements and business cases for information technology developments. The Process Engineer IV coordinates and

provides guidance to business and information technology teams, ascertaining system requirements such as program functions, output requirements, input data acquisition, and system techniques and controls. The position requires advanced knowledge of e-commerce tools, computer system capabilities, business processes, and work flow. **Education:** Bachelor's Degree. **Experience:** 10 years.

**PROJECT CONTROL SPECIALIST: Functional Responsibility:** Directs resource management and administrative activities such as budgeting, staffing and resource planning, and reporting for a particular IT project. Designs and develops the project schedule for the deployment of the IT solution. Prepares and presents program-level management reviews of project performance. Prepares, updates, and distributes project management products, such as PERT/CPM charts, and major milestone calendars required for overall IT program management. Monitors and tracks identified events in each individual IT project and tracks the interdependencies of all schedules, resulting in an overall master schedule. Produces management reports for personnel and contractual resources. Develops work breakdown structures and prepares charts, tables, graphs, and diagrams to assist in analyzing problems and making recommendations. Supports senior staff as required and ensures customer requirements and project milestones are met. **Education:** Bachelor's Degree. **Experience:** 0 years.

**PROJECT CONTROL SPECIALIST II: Functional Responsibility:** The Project Control Specialist II performs analysis and support to the IT Project Manager and prepares reports in order to ensure that IT projects and contracts are within negotiated and agreed-upon parameters and Government cost control guidelines. Assists with the design and development of the project schedule for the deployment of the IT solution and assists in organizing, implementing, and maintaining scheduling management system supporting identified information technology projects and their plans. **Education:** Bachelor's Degree. **Experience:** 4 years.

**PROJECT CONTROL SPECIALIST III: Functional Responsibility:** The Project Control Specialist III performs analysis and support to the IT Project Manager and prepares reports in order to ensure that IT projects and contracts are within negotiated and agreed-upon parameters and Government cost control guidelines. Assists with the design and development of the project schedule for the deployment of the IT solution and assists in organizing, implementing, and maintaining scheduling management system supporting identified information technology projects and their plans. **Education:** Bachelor's Degree. **Experience:** 5 years.

**PROJECT LEADER: Functional Responsibility:** Administers and manages the project. Formulates and defines system scope and objectives. Compiles and analyzes technical data and provides customer consulting on complex system projects. Works closely with customers to define communication system and equipment requirements. Overall responsibility for providing instruction and direction to, and certification over the work of staff application analysis and maintenance engineers through structured quality assurance reviews. **Education:** Bachelor's Degree. **Experience:** 8 years.

**PROJECT MANAGER: Functional Responsibility:** Responsible for the development and implementation of assigned projects and provides a single point of contact for those projects. Takes projects from original concept through final implementation. Interfaces with all areas affected by the project including end users, computer services, and client services. Defines project scope and objectives. Develops detailed work plans, schedules, project estimates, resource plans, and status reports. Responsible for project tracking and analysis. Ensures adherence to quality standards and reviews project deliverables. Provides technical and analytical guidance to project team. Recommends and takes action to direct the analysis and solutions of problems. **Education:** Bachelor's Degree. **Experience:** 10 years.

**PROJECT MANAGER – TECHNICAL: Functional Responsibility:** Analyze program documents to determine milestone requirements for the deployment of the IT solution. Evaluate program processes and controls and develop technology contingency plans to keep IT projects on track. Analyze the impact or potential impact of missed milestones on program accomplishment. Develop and present reports on analysis findings. Prepare communications relating to program management and life cycle support activities. Prepares IT project execution plans and identifies appropriate technical and business resources needed for the team, ensures projects are completed on schedule, within budget, and meet technical requirements of the assignment, and keeps current on advances in the field of IT. Provides technical and analytical guidance to the IT project team. **Education:** Bachelor's Degree. **Experience:** 0 years.

**PROJECT MANAGER – TECHNICAL I: Functional Responsibility:** Analyze program documents to determine milestone requirements for the deployment of the IT solution. Evaluate program processes and controls and develop technology contingency plans to keep IT projects on track. Supervises web application, software development, testing, and information systems security. Analyze the impact or potential impact of missed milestones on program accomplishment. Develop and present reports on analysis management and life cycle support activities. Prepares IT project execution plans and identifies appropriate technical and business resources needed for the team, ensures projects are completed on schedule, within budget, and meet technical requirements of the assignment, and keeps current on advances in the field of IT. Provides technical and analytical guidance to the IT project team. **Education:** Bachelor's Degree. **Experience:** 1 year.

**PROJECT MANAGER – TECHNICAL II: Functional Responsibility:** Analyze program documents to determine milestone requirements. Evaluate and track program processes and controls. Analyze the impact or potential impact of missed or inadequate deliverable on program accomplishment. Writes program management life cycle support documents and updates current documents to reflect revised DISA program objectives. Reviews program documentation and analyzes program progress and financial data against program milestone requirements. Develop and present reports on analytical findings. Prepare communications relating to program support activities. Provides functional guidance, supervision, technical support, training and quality assurance/quality control to Associate and Intermediate personnel. Supports senior staff as required and ensures customer requirements and project milestones are met. **Education:** Bachelor's Degree. **Experience:** 3 years.

**PROJECT MANAGER-TECHNICAL III: Functional Responsibility:** The Project Manager-Technical III leads and directs one or more project teams engaged in the design, implementation, and modification of increasingly complex IT projects that span across functional organizations. The Project Manager-Technical III prepares project execution plans and identifies appropriate technical and business resources needed for the team. The Project Manager-Technical III ensures projects are completed on schedule, within budget, and meet technical requirements of the assignment. The Project Manager-Technical 3 keeps current on advances in the field of IT. Provides technical and analytical guidance to the project team. **Education:** Bachelor's Degree. **Experience:** 5 years

**PROJECT MANAGER-TECHNICAL IV: Functional Responsibility:** Actively participate in IT design considerations. Must be comfortable with high-level technical discussions. Engineers a variety of engineering solutions within the customer's IT environment. Resolve system related issues and participate in all phases of systems engineering lifecycle, including design, analysis, and modeling; analyzes complex IT requirements to provide integration and implementation support. Provides full life cycle design and development. **Education:** Bachelor's Degree. **Experience:** 10 years

**SATELLITE COMMUNICATIONS SYSTEMS ENGINEER ASSOCIATE: Functional Responsibility:** Supports the planning, engineering, provisioning and implementation of satellite-basis telecommunications networks and services. Assists in the development of systems engineering solutions to satisfy satellite network operational requirements, system control requirements, and user requirements. Performs systems engineering and analysis of user requirements, identifying appropriate satellite and terminal resources needed to support user requirements. Develops individual link budgets, related network and transponder loading, and performance estimates; and satellite communications systems infrastructure plans and satellite communications control plans. Develops plans to optimize transponder usage on a regional and system-wide basis. **Education:** Bachelor's Degree. **Experience:** 1 year.

**SATELLITE COMMUNICATIONS SYSTEMS ENGINEER INTERMEDIATE: Functional Responsibility:** Supports the planning, engineering, provisioning and implementation of satellite-basis telecommunications networks and services. Possesses specialized knowledge and training in satellite communications systems engineering and in telecommunications systems engineering. Develops systems engineering solutions to satisfy satellite network operational requirements, system control requirements, and user requirements. Performs systems engineering and analysis of user requirements, identifying appropriate satellite and terminal resources needed to support user requirements. Develops individual link budgets, related network and transponder loading, and performance estimates; and satellite communications systems infrastructure plans and satellite communications control plans. Develops plans to optimize transponder usage on a regional and system-wide basis. Identifies the constraints and performs the trade-off studies needed to make unassigned transponder capacity available to support other Computer System Configuration Item (CSCI) requirements, and to maximize effective integrated space and ground infrastructure in accordance with operational specifications and procedures. Provides engineering studies and analyses to improve systems planning, operations, control, customer support, and business processes. Develops system and terminal

acquisition specifications. Provides functional guidance, supervision, technical support, training and quality assurance/quality control to associate personnel. **Education:** Bachelor's Degree. **Experience:** 2 years.

**SATELLITE COMMUNICATIONS SYSTEMS ENGINEER LEAD: Functional Responsibility:** Supports the planning, engineering, provisioning and implementation of satellite-basis telecommunications networks and services. Possesses specialized knowledge and training in satellite communications systems engineering and in telecommunications systems engineering. Develops systems engineering solutions to satisfy satellite network operational requirements, system control requirements, and user requirements. Performs systems engineering and analysis of user requirements, identifying appropriate satellite and terminal resources needed to support user requirements. Develops individual link budgets, related network and transponder loading, and performance estimates; and satellite communications systems infrastructure plans and satellite communications control plans. Develops plans to optimize transponder usage on a regional and system-wide basis. Identifies the constraints and performs the trade-off studies needed to make unassigned transponder capacity available to support other CSCI requirements, and to maximize effective integrated space and ground infrastructure in accordance with operational specifications and procedures. Provides engineering studies and analyses to improve systems planning, operations, control, customer support, and business processes. Develops system and terminal acquisition specifications. Provides functional guidance, supervision, technical support, training and quality assurance/quality control to Associate and Intermediate personnel. Supports senior staff as required and ensures customer requirements and project milestones are met. **Education:** Bachelor's Degree. **Experience:** 3 years.

**SENIOR ENGINEERING SPECIALIST: Functional Responsibility:** Applies advanced principles, theories and concepts to a wide range of work in the areas of planning, deployment, operation and/or enhancement of advanced telecommunications and information technology systems networks. Works on complex problems and provides solutions that are innovative and often involve re-evaluation of established theories and practices, leading to new and creative solutions to problems. Defines network architecture alternative for interfacing transmission, switching, bandwidth management and network operations equipment and functions. **Education:** Bachelor's Degree. **Experience:** 8 years.

**SENIOR INFORMATION TECHNOLOGY EXPERT: Functional Responsibility:** Reengineering. Serves as a Management Information System (MIS) manager. Designs, develops and manages implementation of risk assessment and business contingency planning framework, methodology and tools to ensure business continuity of operations across a large, multi-division, decentralized organization. Supports multi-language, multi-platform and multi-operating system operations and utilizes electronic commerce and Electronic Data Interchange (EDI) applications. Emerging Technologies. Recognizes and recommends new or emerging technology or software to satisfy functional requirements and processes. Provides highly technical and/or specialized guidance concerning automation solutions to complex information processing problems related to the subject field. Provides customer support using enterprise solutions software to integrate business areas, consistent with today's technology in order to operate in an open systems

environment and client service architectures. c. Computer Engineering. Analyzes data processing requirements to plan EDP systems to provide system capabilities required for projected workloads. Plans layout and installation of new systems or modification of existing systems. May set up and control analog or hybrid computer systems to solve scientific and engineering problems. Knowledgeable in Oracle, Windows NT, network administration, project management and Unix and Cobol programming. Internet Development/Integration. **Education:** Bachelor's Degree. **Experience:** 10 years.

**SENIOR IT CONSULTANT: Functional Responsibility:** Possesses unique experience, skills, and expert knowledge in highly specialized technical, functional, and/or process areas within the engineering discipline or across engineering disciplines. Provides leadership for engineering of systems, system elements, interfacing systems, components, devices and/or processes. Applies best industry practices and standards, leading-edge technology, and innovative solutions to intractable problems. Works directly with customer management to apply advanced principles, theories, and concepts and develops comprehensive solutions to complex problems. Defines key concepts for planning, deployment, integration, operation and/or enhancement of state-of-the-art and/or legacy systems. Employs methodologies for guiding others in problem resolution. Develops insightful solutions to meet fiscal, technological and schedule constraints. **Education:** Master's Degree. **Experience:** 15 years.

**SENIOR SYSTEMS ARCHITECT: Functional Responsibility:** Designs architecture to include the software, hardware, and communications to support the total requirements as well as provide for present and future cross-functional requirements and interfaces. Identifies, assesses, and presents options for meeting the functional and technical requirements including hardware and software updates or upgrades. Responsible for developing high level system design diagrams. Ensures these systems are compatible and in compliance with the standards for open systems architectures, the Open Systems Interconnection (OSI) and International Standards Organization (ISO) reference models, and profiles of standards - such as Institute of Electrical and Electronic Engineers (IEEE) Open Systems Environment (OSE) reference model - as they apply to the implementation and specification of Information Management (IM) solution of the application platform, across the application program interface (API), and the external environment/software application. Ensures that the common operating environment is compliant. Evaluates analytically and systematically problems of work flows, organization and planning and develops appropriate corrective action. **Education:** Bachelor's Degree. **Experience:** 4 years

**SENIOR TELECOMMUNICATIONS MANAGER: Functional Responsibility:** Manages and provides direction to telecommunications operations work groups. Performs one or more of the following tasks: Manages and administers top level and sub-level Internet Domain Name Service (DNS) zones, including registration and directory services. Manages, administers, and operates dial up access service systems. Manages the assignment and allocation of globally unique IP network address space. Maintains on-line documentation libraries, maintains mail lists, operates World Wide Web servers, and provides general user assistance from a Help Desk. Provides network security information services. Provides database services. Provides development and maintenance of software to support operations. Responsible for the training of junior telecommunications

specialists. Provides supervision, training and direction to staff. **Education:** Bachelor's Degree. **Experience:** 5 years.

**SOFTWARE ENGINEER III: Functional Responsibility:** Research, design, development, and/or modification of enterprisewide systems and/or applications software. Responsible for planning of system and development deployment as well as responsible for meeting software compliance standards. Evaluates interfaces among hardware and software, operational requirements, and characteristics of overall system. Documents testing and maintenance of system corrections. **Education:** Bachelor's Degree. **Experience:** 7 years.

**SOFTWARE ENGINEER IV: Functional Responsibility:** The Software Engineer IV has primary responsibility for research, design, development, and/or modification of enterprisewide systems and/or applications software. The Software Engineer IV is responsible for planning of system and development deployment as well as responsible for meeting software compliance standards. The Software Engineer IV evaluates interfaces among hardware and software, operational requirements, and characteristics of overall system. The Software Engineer IV documents testing and maintenance of system corrections. **Education:** Bachelor's Degree. **Experience:** 9 years.

**SOFTWARE ENGINEER V: Functional Responsibility:** Research, design, development, and/or modification of enterprisewide systems and/or applications software. Responsible for planning of system and development deployment as well as responsible for meeting software compliance standards. Evaluates interfaces among hardware and software, operational requirements, and characteristics of overall system. Documents testing and maintenance of system corrections. **Education:** Bachelor's Degree. **Experience:** 10 years.

**SOFTWARE ENGINEER VI: Functional Responsibility:** Research, design, development, and/or modification of enterprisewide systems and/or applications software. Responsible for planning of system and development deployment as well as responsible for meeting software compliance standards. Evaluates interfaces among hardware and software, operational requirements, and characteristics of overall system. Documents testing and maintenance of system corrections. **Education:** Bachelor's Degree. **Experience:** 12 years.

**SOLUTIONS ARCHITECT: Functional Responsibility:** Provides leadership and direction for engineering of systems, system elements, interfacing systems, components, devices and/or processes. Possesses extensive technical and/or business knowledge. Provides leadership and in solving complex problems. Develops strategic and implementation plans. Develops system architecture and design including software, hardware, communications and interface requirements. Leads in definition, trade-off and design activities. Prepares, reviews, and evaluates documentation, specifications, test plans and procedures. Conducts analysis to define, analyze and allocate requirements. Leads analysis of requirements to ensure intended functionality, operation and performance requirements are achieved. **Education:** Bachelor's Degree. **Experience:** 13 years.

**SUBJECT MATTER EXPERT ASSOCIATE: Functional Responsibility:** Under broad direction, provides expert support, analysis and research into especially complex problems,

and processes relating to the subject matter. Serves as technical expert on high-level project teams providing technical direction, interpretation and alternatives. Thinks independently and demonstrates superior written and oral communications skills. Possesses a complete understanding and wide experience in the application of technical principles, theories, and concepts in the field. Provides technical solutions to a wide range of difficult problems. Solutions are imaginative, thorough, practicable, and consistent with organizational objectives. Works under only general direction. Independently determines and develops approach to solutions. Contributes to the completion of specific programs and projects. Expertise is in a particular area of Information Technology (e.g., Information Systems Architecture, Telecommunications Systems Design, Architecture, Implementation, Information Systems Integration, Software Development Methodologies, Security Engineering, Communications and Network Systems Management), or a specific functional area (e.g., finance, logistics, and operations research). **Education:** Bachelor's Degree. **Experience:** 2 years.

**SUBJECT MATTER EXPERT INTERMEDIATE: Functional Responsibility:** With minimal direction, provides expert support, analysis and research into exceptionally complex problems, and processes relating to the subject matter. Serves as technical expert on executive-level project teams providing technical direction, interpretation and alternatives. Thinks independently and demonstrates exceptional written and oral communications skills. Applies extensive technical expertise and has full knowledge of other related disciplines. Guides the successful completion of major programs and may function in a project leadership role. Develops technical solutions to complex problems that require the regular use of ingenuity and creativity. Work is performed without appreciable direction. Exercises considerable latitude in determining technical objectives of assignment. Expertise is in a particular area of Information Technology (e.g., Information Systems Architecture, Telecommunications Systems Design, Architecture, Implementation, Information Systems Integration, Software Development Methodologies, Security Engineering, Communications and Network Systems Management), or a specific functional area (e.g., finance, logistics, and operations research). **Education:** Bachelor's Degree. **Experience:** 6 years.

**SUBJECT MATTER EXPERT IV: Functional Responsibility:** The Subject Matter Expert IV works directly with customer senior management, applies highly advanced principles, theories, and concepts to contribute to sustained technical excellence of solutions. The Subject Matter Expert IV possesses in-depth knowledge in multiple areas of telecommunications or data system integration. The Subject Matter Expert IV provides technical leadership and in-depth analysis in at least one of the following IT areas: 1) network architecture, 2) network interoperability, network interfaces and network protocols, 3) optical transport technology, 4) business organizational alignment, business process development and business case development, 5) network testing, 6) security, 7) reliability, 8) prototyping and development of network solutions, 9) communications focused software engineering or software development. **Education:** Bachelor's Degree. **Experience:** 8 years.

**SUBJECT MATTER EXPERT LEAD: Functional Responsibility:** Provides expert support, analysis and research into exceptionally complex problems, and processes relating



to the subject matter. Serves as technical expert on executive-level project teams providing technical direction, interpretation and alternatives. Thinks independently and demonstrates exceptional written and oral communications skills. Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Works on unusually complex technical problems and provides solutions that are highly innovative and ingenious. Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Develops advanced technological ideas and guides their development into a final product. Expertise is in a particular area of Information Technology (e.g., Information Systems Architecture, Telecommunications Systems Design, Architecture, Implementation, Information Systems Integration, Software Development Methodologies, Security Engineering, Communications and Network Systems Management), or a specific functional area (e.g., finance, logistics, and operations research). **Education:** Bachelor's Degree. **Experience:** 10 years.

**SYSTEMS ADMINISTRATOR: Functional Responsibility:** Operating and maintaining local area networks (LANs) and related computing systems and applications. Must have specific technical training in one or more network operating systems (e.g., Novell NetWare, Windows NT, Banyan Vines, Et al.) and have substantial knowledge of computing hardware found in typical client/server environments. Experience working directly with network users to correct system problems and familiarity with network tools (e.g., virus checkers, backup utilities, etc.) needed to consistently maintaining the health of the network is also required. **Education:** One or more Technical Network Certifications such as Cisco Certified Internetworking Expert (CCIE), Cisco Certified Network Professional (CCNP) or Microsoft Certified System Engineer (MSCE). **Experience:** 4 years.

**SYSTEMS ENGINEER ASSOCIATE: Functional Responsibility:** Must be familiar with current information technologies including computer applications/ operating systems, system architectures, and networking protocols/technologies applicable to the specific tasking. Analyzes information requirements. Evaluates analytically and systematically problems of workflows, organization, and planning and develops appropriate corrective action plans. **Education:** Bachelor's Degree. **Experience:** 1 year.

**SYSTEMS ENGINEER INTERMEDIATE: Functional Responsibility:** Familiar with current information technologies including computer applications/operating systems, system architectures, and networking protocols/technologies applicable to the specific tasking. Analyzes information requirements. Evaluates analytically and systematically problems of workflows, organization, and planning and develops appropriate corrective action plans. Provides functional guidance, supervision, technical support, training and quality assurance/quality control to Associate personnel. **Education:** Bachelor's Degree. **Experience:** 3 years.

**SYSTEMS ENGINEER: Functional Responsibility:** Familiar with current information technologies including computer applications/ operating systems, system architectures, and networking protocols/technologies applicable to the specific tasking. **Education:** Bachelor's Degree. **Experience:** 5 years.

**TASK MANAGER: Functional Responsibility:** Serves as the IT project manager for a large task order (or a group of related task orders), large projects and/or major IT software products and systems. Manages specific IT task order(s) and ensures that the IT solutions and project schedules in the task order(s) are developed and implemented in a timely manner. Provides technical direction for the complete IT systems development effort. Directs completion of tasks within estimated timeframes and budget constraints. Schedules and assigns duties to subordinates and subcontractors and ensures that assignments are completed as directed. **Education:** Bachelor's Degree. **Experience:** 5 years.

**TECHNICAL MANAGEMENT ANALYST: Functional Responsibility:** Prepares and conducts technical analyses and studies, needs assessments, requirements analysis/definition and cost/benefit analyses in an effort to align systems, solutions and initiatives. Responsible for general project management and project control tasks. Develops and analyzes metrics, performance measurements, requirements, reports and recommendations related to technology, organizational structure, policy/procedures and systems. Identifies potential risks. **Education:** Bachelor's Degree. **Experience:** 3 years.

**TECHNICAL WRITER/EDITOR II: Functional Responsibility:** The Technical Writer/Editor II assists in collecting and organizing information required for preparation of user manuals, training materials, installation guides, proposals, and reports. The Technical Writer/Editor II edits functional descriptions, system specifications, user manuals, special reports, or any other customer deliverables and documents. The Technical Writer/Editor II assists in performing financial and administrative functions and provides functional guidance, supervision, technical support, training, and quality assurance/quality control to Level 1 personnel. **Education:** Bachelor's Degree. **Experience:** 4 years.

**TELECOMMUNICATIONS ELECTRONICS ENGINEER ASSOCIATE: Functional Responsibility:** Performs professional engineering assignments in support of telecommunications engineering efforts in one or more of the following disciplines: satellite communications, transmission systems, fiber optic communications, switched networks, network management, or control systems. For example, supports standardization, development, and maintenance of the NITFS TAC02 communications protocol. **Education:** Bachelor's Degree. **Experience:** 3 years.

**TELECOMMUNICATIONS ELECTRONICS ENGINEER INTERMEDIATE: Functional Responsibility:** Performs professional engineering assignments in support of telecommunications engineering efforts in one or more of the following disciplines: satellite communications, transmission systems, fiber optic communications, switched networks, network management, or control systems. For example, supports standardization, development, and maintenance of the NITFS TAC02 communications protocol. **Education:** Bachelor's Degree. **Experience:** 5 years

**TELECOMMUNICATIONS ELECTRONICS ENGINEER LEAD: Functional Responsibility:** Performs professional engineering assignments in support of telecommunications engineering efforts in one or more of the following disciplines: satellite communications, transmission systems, fiber optic communications, switched networks, network management, or control systems. For example, supports standardization,

development, and maintenance of the NITFS TAC02 communications protocol.

**Education:** Bachelor's Degree. **Experience:** 6 years.

**TELECOMMUNICATIONS SUBJECT MATTER EXPERT I: Functional**

**Responsibility:** Works independently in one or more areas of telecommunications or data system integration: 1) network architecture, 2) network interoperability, network interfaces and network protocols, 3) transport technology, 4) business organizational alignment, business process development and business case development, 5) network testing, 6) security, 7) reliability. **Education:** Bachelor's Degree. **Experience:** 7 years.

**TELECOMMUNICATIONS SUBJECT MATTER EXPERT II: Functional**

**Responsibility:** Provides technical leadership and in-depth analysis in at least one of the following areas: 1) network architecture, 2) network interoperability, network interfaces and network protocols, 3) transport technology, 4) business organizational alignment, business process development and business case development, 5) network testing, 6) security, 7) reliability, 8) prototyping and development of network solutions, 9) communications focused software engineering or software development. May work independently on specific tasks associated with one or more knowledge areas identified above. **Education:** Bachelor's Degree. **Experience:** 10 years.

**TELECOMMUNICATIONS SUBJECT MATTER EXPERT III: Functional**

**Responsibility:** Provides or leads in-depth analyses for translating customer needs into the design of networks. Applies knowledge to original and innovative solutions in any one of the following disciplines: 1) network architecture, 2) network interoperability, network interfaces and network protocols, 3) transport technology, 4) business organizational alignment, business process development and business case development, 5) network testing, 6) security, 7) reliability, 8) prototyping and development of network solutions, 9) communications focused software engineering or software development. May supervise multiple teams of engineers working on complex telecommunications projects involving one or more of the knowledge areas identified above. **Education:** Bachelor's Degree. **Experience:** 15 years.

**UNIFIED CAPABILITIES SUBJECT MATTER EXPERT INTERMEDIATE:**

**Functional Responsibility:** Provides technical support for Unified Capabilities that include Real Time Services such as voice and video converged with data applications end-to-end over hybrid Ckt Switched and IP networks. That support includes) network architecture planning; 2) general analyses on network interoperability topologies, technologies, interfaces, and protocols; 3) transport technology, 4) business consultation including organizational alignment, business process development and business case development, 5) network testing, 6) network security, and 7) network reliability. Provides technical leadership on complex research and development projects requiring originality and ingenuity. Performs independent work, with supervision, on specific tasks associated with the implementation of complex network architecture projects. b. Specific experience relates to the task requirements. Candidate possesses broad knowledge in one or more areas of unified capabilities (UC) services and network infrastructures that support UC services. Has specialized knowledge in one or more of the following areas: 1) network architecture, 2) network interoperability, network interfaces and network protocols, 3) transport technology, 4) business organizational alignment, business process development and

business case development, 5) network testing, 6) security, and 7) reliability. Capable of working, with supervision, on specific tasks associated with knowledge areas identified above. **Education:** Bachelor's Degree. **Experience:** 3 years.

## **UNIFIED CAPABILITIES SUBJECT MATTER EXPERT IV: Functional**

**Responsibility:** Provides or leads in-depth analyses for translating customer unified capabilities needs into the design of networks for both Ckt Switched and IP networks that support Unified Capabilities that include Real Time Services such as voice and video converged with data applications end-to-end. Applies extensive knowledge in at least one of the following areas to provide original and innovative solutions: 1) network architecture; 2) network interoperability, network interfaces, and network protocols; 3) transport technology, 4) business organizational alignment, business process development and business case development, 5) network testing, 6) security, 7) reliability 8) prototyping and development of network solutions, 9) communications focused software engineering or software development. Directs, designs, and develops network architecture plans, security, reliability, and business continuity plans, implementation or cutover plans, integration plans, and interoperability plans based on different unified capabilities and business environments. Provides high-level strategic business consultation including organizational alignment, business process development and business case development. Provides active leadership in defining and pursuing innovative research and development projects of exceptional complexity, requiring considerable originality and ingenuity. Supervises multiple teams of specialty engineers working on highly complex network architecture and technology development & assessment projects. b. Candidate possesses in-depth knowledge specific to task requirements and in multiple areas of unified capabilities (UC) services and network infrastructures that support UC services Demonstrated technical leadership and in-depth analysis capability in at least one of the following areas: 1) network architecture, 2) network interoperability, network interfaces and network protocols, 3) transport technology, 4) business organizational alignment, business process development and business case development, 5) network testing, 6) security, 7) reliability, 8) prototyping and development of network solutions, 9) communications focused software engineering or software development. Capable of independent original work on specific tasks associated with one or more knowledge areas identified above. **Education:** Bachelor's Degree. **Experience:** 10 years.

## **UNIFIED CAPABILITIES SUBJECT MATTER EXPERT LEAD: Functional**

**Responsibility:** Provides technical leadership in the pursuit of complex unified capabilities and related network technology projects for Unified Capabilities that include Real Time Services such as voice and video converged with data applications end-to-end over hybrid Ckt Switched and IP networks. That support includes 1) network architecture planning; 2) general analyses on network interoperability topologies, technologies, interfaces, and protocols; 3) transport technology, 4) business consultation including organizational alignment, business process development and business case development, 5) network testing, 6) network security, 7) network reliability, 8) prototyping and development of network solutions, 9) communications focused software engineering or software development. Provides technical lead management responsibilities for specific technology are associated with network architectures, i.e., network-architecture engineering and in-depth analyses on network interoperability and integration. Provides 1) lead specialty

engineering and in-depth analyses on network interoperability, topologies, technologies, interfaces, and protocols; 2) leadership in defining and pursuing unified capabilities-related network technology research and development projects of significant complexity, requiring considerable originality and ingenuity. Initiates and carries out independent work on specific tasks associated with the implementation of specific aspects of network technology projects. Manages the implementation of specific aspects of network architecture planning. Capable of independent original work on specific tasks associated with one or more knowledge areas identified above. Supervises a team of specialty engineers working on highly complex network architecture projects. b. Specific experience relates to the task requirements. Candidate possesses in-depth knowledge in multiple areas of unified capabilities (UC) services and network infrastructures that support UC services Demonstrated technical leadership and in-depth analysis capability in at least one of the following areas: 1) network architecture, 2) network interoperability, network interfaces and network protocols, 3) transport technology, 4) business organizational alignment, business process development and business case development, 5) network testing, 6) security, 7) reliability, 8) prototyping and development of network solutions, 9) communications focused software engineering or software development. Capable of independent original work on specific tasks associated with one or more knowledge areas identified above. **Education:** Bachelor's Degree. **Experience:** 6 years.

*Please note, the following applies to all Technica contract labor categories.*

<b>Minimum Education and Experience</b>	<b>Acceptable Substitution</b>	<b>Acceptable Substitution</b>
Master's degree and 8 years	Bachelor's degree and 10 years	High School diploma and 12 years
Master's degree and 10 years	Bachelor's degree and 12 years	High School diploma and 14 years
Master's degree and 12 years	Bachelor's degree and 14 years	High School diploma and 16 years
Master's degree and 15 years	Bachelor's degree and 17 years	High School diploma and 19 years
Bachelor's degree and 0 years	Master's degree and 0 years	High School diploma and 4 years
Bachelor's degree and 1 years	Master's degree and 0 years	High School diploma and 5 years
Bachelor's degree and 2 years	Master's degree and 1 year	High School diploma and 6 years
Bachelor's degree and 3 years	Master's degree and 1 year	High School diploma and 7 years
Bachelor's degree and 5 years	Master's degree and 2 years	High School diploma and 9 years
Bachelor's degree and 6 years	Master's degree and 3 years	High School diploma and 10 years
Bachelor's degree and 7 years	Master's degree and 4 years	High School diploma and 11 years
Bachelor's degree and 8 years	Master's degree and 5 years	High School diploma and 12 years
Bachelor's degree and 9 years	Master's degree and 5 years	High School diploma and 12 years
Bachelor's degree and 10 years	Master's degree and 6 years	High School diploma and 13 years
Bachelor's degree and 12 years	Master's degree and 6 years	High School diploma and 14 years
Bachelor's degree and 13 years	Master's degree and 7 years	High School diploma and 14 years
Bachelor's degree and 15 years	Master's degree and 7 years	High School diploma and 16 years



#### 4. FSS Authorized Multiple Award Schedule Pricelist

##### SIN 54151S, IT Professional Services

Labor Category	Government Site	Contractor Site
Applications Architect I	\$60.29	\$60.29
Applications Programmer	\$84.08	\$84.08
Architect III	\$89.55	\$109.04
Architect IV	\$126.03	\$135.03
Communication Network Database Analyst	\$99.76	\$121.47
Communication Transmission Engineer, Senior Level	\$83.95	\$83.95
Communications Specialist III	\$104.99	\$104.99
Computer System Programmer	\$55.96	\$60.00
Consultant Associate	\$120.71	\$146.97
Consultant Intermediate	\$156.62	\$190.69
Consultant Lead	\$199.16	\$242.49
Data Communications Manager or Voice Communications Manger	\$71.78	\$87.40
DISN Transport Field Support Technician	\$50.33	\$61.27
Hardware/Software Installation Technician Lead	\$67.29	\$81.92
Hardware/Software Specialist Intermediate	\$52.86	\$64.34
Hardware/Software Specialist Lead	\$63.91	\$77.82
IA-Security Engineer II	\$100.85	\$100.85
IA-Security Engineer III	\$122.20	\$122.20
IT Consultant I	\$109.84	\$109.84
IT Consultant II	\$146.45	\$146.45
IT Consultant III	\$163.22	\$163.22
IT Consultant IV	\$176.78	\$176.78
LAN/WAN/MAN Specialist, Senior Level	\$60.30	\$60.30
Life Cycle Management (LMC) Specialist	\$130.47	\$158.86
National Defense Operations Analyst Intermediate	\$72.76	\$88.59
National Defense Operations Analyst Lead	\$98.61	\$120.06
Network Design Engineer I	\$58.08	\$58.08
Network Design Engineer II	\$84.20	\$84.20
Network Design Engineer III	\$89.46	\$89.46
Network Engineer II	\$91.24	\$91.24
Network Engineer III	\$107.46	\$107.46

Labor Category	Government Site	Contractor Site
Network Engineer IV	\$120.41	\$146.61
Network Engineer V	\$132.97	\$132.97
Network Engineer VI	\$168.68	\$205.79
Network Engineer, Senior Level (IV)	\$115.79	\$115.79
Network Systems Technician	\$86.63	\$86.63
Open Systems Engineer Associate	\$69.28	\$84.35
Open Systems Engineer Intermediate	\$86.23	\$104.99
Open Systems Engineer Lead	\$113.09	\$137.69
Process Engineer III	\$102.00	\$102.00
Process Engineer IV	\$123.38	\$123.38
Project Control Specialist	\$51.51	\$51.51
Project Control Specialist II	\$84.90	\$84.90
Project Control Specialist III	\$99.28	\$99.28
Project Leader	\$108.25	\$108.25
Project Manager	\$123.81	\$123.81
Project Manager - Technical	\$61.99	\$75.47
Project Manager - Technical I	\$71.60	\$78.45
Project Manager - Technical II	\$88.52	\$97.00
Project Manager - Technical III	\$126.08	\$126.08
Project Manager - Technical IV	\$136.48	\$136.48
Satellite Communications Systems Engineer Associate	\$67.91	\$82.68
Satellite Communications Systems Engineer Intermediate	\$84.53	\$102.92
Satellite Communications Systems Engineer Lead	\$99.76	\$121.47
Senior Engineering Specialist	\$97.69	\$97.69
Senior Information Technology Expert	\$199.16	\$242.49
Senior Systems Architect	\$126.63	\$154.16
Senior Telecommunications Manager	\$111.11	\$125.96
Senior IT Consultant	\$260.42	\$260.42
Software Engineer III	\$114.56	\$114.56
Software Engineer IV	\$135.89	\$135.89
Software Engineer V	\$164.62	\$164.62
Software Engineer VI	\$182.11	\$182.11
Solutions Architect	\$188.89	\$188.89
Subject Matter Expert Associate	\$126.16	\$153.71
Subject Matter Expert Intermediate	\$162.66	\$198.05
Subject Matter Expert Lead	\$199.16	\$242.49
Subject Matter Expert IV	\$123.90	\$123.90
Systems Administrator	\$95.09	\$95.09
Systems Engineer	\$95.28	\$95.28





Labor Category	Government Site	Contractor Site
Systems Engineer Associate	\$65.74	\$80.05
Systems Engineer Intermediate	\$68.02	\$68.02
Task Manager	\$112.24	\$112.24
Technical Management Analyst	\$79.08	\$79.08
Technical Writer/Editor II	\$69.53	\$69.53
Telecommunications Electronics Engineer Associate	\$87.66	\$106.73
Telecommunications Electronics Engineer Intermediate	\$103.45	\$125.96
Telecommunications Electronics Engineer Lead	\$124.44	\$151.52
Telecommunications Subject Matter Expert I	\$147.13	\$147.13
Telecommunications Subject Matter Expert II	\$162.21	\$162.21
Telecommunications Subject Matter Expert III	\$247.24	\$247.24
Unified Capabilities Subject Matter Expert Intermediate	\$99.76	\$121.47
Unified Capabilities Subject Matter Expert IV	\$142.60	\$173.62
Unified Capabilities Subject Matter Expert Lead	\$120.00	\$146.10