



GENERAL SERVICES ADMINISTRATION

Federal Acquisition Service Authorized Federal Supply Schedule Price List

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!TM, a menu-driven database system. The INTERNET address for GSA Advantage!TM is: <http://www.GSAAdvantage.gov>.

SPECIAL ITEM NUMBER 132-51 - INFORMATION TECHNOLOGY (IT) PROFESSIONAL SERVICES

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Veteran Owned Small Business**

Contract Number: GS-35F-0293S

Period Covered by Contract: 10 March 2006 through 9 March 2021

**General Services Administration
Federal Acquisition Service**

Pricelist current through Refresh #36 and Modification #PO-0010 dated 10 March 2016.

Products and ordering information in this Authorized Information Technology Schedule Pricelist are also available on the GSA Advantage! System (<http://www.gsaadvantage.gov>).

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**INFORMATION FOR ORDERING ACTIVITIES
APPLICABLE TO ALL SPECIAL ITEM NUMBERS**

1a. AUTHORIZED SPECIAL ITEM NUMBERS (SINs):

<u>SIN</u>	<u>DESCRIPTION</u>
132-51	Information Technology (IT) Professional Services

1b. Lowest Priced Service and Price for each Service Rate: See Price List

1c. SERVICES OFFERED: See Price List

2. MAXIMUM ORDER PER SIN:

<u>SIN</u>	<u>MAXIMUM ORDER</u>
132-51	\$500,000 per SIN/Order

This maximum order threshold is a dollar amount at which it is suggested that the ordering agency request higher discounts from the contractor before issuing the order. The contractor may: (1) Offer a new lower price, (2) Offer the lowest price available under the contract, or (3) Decline the order within five (5) days. In accordance with the Maximum Order provisions contained in the Schedule, a delivery order may be placed against the Schedule contract even though it exceeds the maximum order threshold.

3. MINIMUM ORDER LIMITATION: \$100

4. GEOGRAPHIC COVERAGE (DELIVERY AREA): The geographic scope of this contract is the 48 contiguous United States and District of Columbia.

5. POINT OF PRODUCTION: United States

6. BASIC DISCOUNT: Prices listed are net, discounts have been deducted and the industrial funding fee has been added.

7. QUANTITY DISCOUNT:
Dollar Volume: **5% for individual orders of \$1 Million or more.**

8. PROMPT PAYMENT TERMS: Net 30 Days

9a. GOVERNMENT PURCHASE CARDS ARE ACCEPTED UP TO THE MICRO-PURCHASE THRESHOLD.

9b. **GOVERNMENT PURCHASE CARDS ARE ACCEPTED ABOVE THE MICRO-PURCHASE THRESHOLD.**

10. **FOREIGN ITEMS:** None

11a. **TIME OF DELIVERY:** Not applicable to professional services.

11b. **EXPEDITED DELIVERY:** Contact Contractor

11c. **OVERNIGHT AND 2-DAY DELIVERY:** Contact Contractor

11d. **URGENT REQUIREMENTS:** Contact Contractor

12. **F.O.B. POINT:** Destination

13a. **ORDERING ADDRESS:**

**ATTN: Order Processing
Building Infrastructure Group
14310 Sullyfield Circle, Suite 400
Chantilly, VA 20151
Telephone: 703-752-7600
Facsimile: 703-752-7607**

13b. **ORDERING PROCEDURES:** *For supplies and service the ordering procedures, information on Blanket Purchase Agreements (BPAs), and a sample BPA may be found at the GSA/FSS Schedule homepage (gss.gsa.gov/schedule).*

14. **PAYMENT ADDRESS:**

**ATTN: Accounts Payable
Building Infrastructure Group
14310 Sullyfield Circle, Suite 400
Chantilly, VA 20151
Telephone: 703-752-7600
Facsimile: 703-752-7607**

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

16. **EXPORT PACKING CHARGES:** Not Applicable

17. **TERMS AND CONDITIONS OF GOVERNMENT PURCHASE CARD ACCEPTANCE:**

Will be accepted above the micro-purchase threshold

18. **TERMS AND CONDITIONS OF RENTAL:** Not Applicable
19. **TERMS AND CONDITIONS OF INSTALLATION:** Contact Contractor
20. **TERMS AND CONDITIONS OF REPAIR PARTS:** Contact Contractor
- 20a. **TERMS AND CONDITIONS FOR ANY OTHER SERVICES:** Contact Contractor
21. **LIST OF SERVICE AND DISTRIBUTION POINTS:** Contact Contractor
22. **LIST OF PARTICIPATING DEALERS:** Not Applicable
23. **PREVENTIVE MAINTENANCE:** Contact Contractor
- 24a. **SPECIAL ATTRIBUTES:** Not Applicable
- 24b. **SECTION 508 COMPLIANCE INFORMATION:** Not Applicable
25. **DATA UNIVERSAL NUMBER SYSTEM (DUNS) NUMBER:** 144566697
26. **CONTRACTOR IS CURRENTLY REGISTERED IN THE SYSTEM FOR AWARD MANAGEMENT (SAM) DATABASE.**

**CONTRACTOR IS CURRENTLY REGISTERED IN THE SYSTEM FOR AWARD TERMS AND
CONDITIONS APPLICABLE TO INFORMATION TECHNOLOGY (IT)
PROFESSIONAL SERVICES (SPECIAL ITEM NUMBER 132-51)**

1. SCOPE

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

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

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

3. ORDER

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

4. PERFORMANCE OF SERVICES

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

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

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

- (1) Cancel the stop-work order; or
- (2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.

(b) If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if-

- (1) The stop-work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract; and
- (2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.

(c) If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.

(d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

6. INSPECTION OF SERVICES

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

7. RESPONSIBILITIES OF THE CONTRACTOR

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

8. RESPONSIBILITIES OF THE ORDERING ACTIVITY

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

9. INDEPENDENT CONTRACTOR

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

10. ORGANIZATIONAL CONFLICTS OF INTEREST

a. Definitions.

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

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

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

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

11. INVOICES

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

12. PAYMENTS

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

(a) The Government contemplates award of a Time-and-Materials or Labor-Hour type of contract resulting from this solicitation.

(b) The offeror must specify fixed hourly rates in its offer that include wages, overhead, general and administrative expenses, and profit. The offeror must specify whether the fixed hourly rate for each labor category applies to labor performed by—

- (1) The offeror;
- (2) Subcontractors; and/or
- (3) Divisions, subsidiaries, or affiliates of the offeror under a common control.

13. RESUMES

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

14. INCIDENTAL SUPPORT COSTS

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

15. APPROVAL OF SUBCONTRACTS

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

DESCRIPTION OF IT PROFESSIONAL SERVICES AND PRICING

Building Infrastructure Group (B.I.G.) is a full-service structured cabling company fulfilling the cabling design and installation needs of government, commercial, high-density residential, and industrial clients.

Headquartered in the metropolitan Washington, D.C. area, B.I.G. is a veteran-owned company that employs certified installation staff and BICSI RCDD design personnel who have earned the company a reputation for competitively-priced, quality work that is unparalleled by larger, conglomerate cabling companies

LABOR CATEGORY DESCRIPTIONS

1. Commercial Job Title: Project Manager

- Extensive experience in cable plant installation and developed skills to manage a cable plant installation crew.
- Able to plan and schedule team activities to complete installation projects per established schedules and budgets.
- Inspects completed work to verify compliance with project requirements and quality assurance standards.
- Establishes and maintains liaison with customers, general contractors, and other trades to coordinate overall project schedules and objectives.
- Proficient in proper installation of all types of cable product to include support structures including conduit, cable trays, racks, patch panels, cable management systems, outlets, and jacks.
- Proficient in pulling and securing fiber optic and copper cable systems.
- Understands fiber optic and copper cable terms and concepts including FDDI, fast Ethernet, and switched Ethernet.
- Working knowledge of network integration concepts including Ethernet, Token Ring, hubs, routers, etc.
- Assists with hardware configurations such as properly installing modules and setting switches in chassis per project drawings and specifications.
- Proficient with installation codes, practices and procedures including EIA/TIA standards, manufacturer recommendations, and OSHA standards. Proficient in inside and outside plant environments.
- Functional Responsibility: Manages time line schedules and related work activities.
- Determines and schedules manpower resources needed to complete projects per project schedules.
- Meets project schedules. Installs, terminates, tests, and certifies fiber optic cable systems and support structures.
- Inspects work to verify compliance with project requirements and quality assurance standards.
- Bachelors Degree; Manufacturer certification for multiple product lines; Installation and Testing Certification for ACC Fiber Optic, UTP, and Coaxial Labor Category Required Experience Education

2. Commercial Job Title: Electronics/Network Engineer II

- 4+ yrs experience in system and network implementation.
- Able to work independently and possesses working knowledge of network media in the representative areas of ISDN, FDDI, SONET, ATM, Ethernet, Token Ring, and similar modern network topologies and protocols.
- Capable of installing, configuring, integrating, and testing hubs/concentrators, bridges, routers, servers, gateways, network switching devices, and/or multiplexed information systems and command and control systems.
- Proficient in configuring Microsoft, Novell, Banyan, or similar system or network software products.
- Possesses a working knowledge of network and computer security practices, processes, and procedures.
- Experienced in practical application of physical security, personnel security, administrative security and other processes that effect network/system security.
- Under supervision, the individual has the ability to identify and assess network/system security risks and recommend solutions.
- Proficient in all forms of data communication protocols and standards
- Able to analyze capabilities and deficiencies in existing systems and networks.
- Able to analyze devices and components from multiple vendors and identify devices that best satisfy customer goals and objectives.
- Functional Responsibility: Performs as the lead integration engineer on projects. Installs, configures, and integrates network components and computer-based systems.
- Bachelor's degree in an engineering or computer science

3. Commercial Job Title: Principal Systems Engineer/Architect

- 10+ years of progressive experience in principal/lead engineering positions investigating cutting-edge information technology related concepts, architectures and processes.
- Must have experience associated with logical planning and integration and independent verification and validation (IV&V) of complex enterprise-wide operational, technical and systems architectures.
- Experience in architecture analyses and studies will have considered the structure of components, their relationships, and the principles governing their design over time including emerging technology insertion.
- Provides expert services as required by customer senior technical and management personnel to investigate, conceptualize, analyze and/or formulate Operational, Technical or Systems reference models, considering the context of the DoD Joint Technical Architecture (JTA) framework.
- Performs analyses, as required, associated with the development of Operational Reference Models (ORM) which identify the set of process sub-tasks in an enterprise and their logical relationships. These process 'activity models' may be developed and documented using IDEF 0 modeling techniques.
- As required, performs analyses associated with the conceptualization of Subordinate Activity 'data models' which are developed to identify the structure, content, and logical relationships of data and information available within the enterprise activity. These 'data models' may be developed and documented using IDEF 1 modeling techniques. Performs analyses associated with the development of Technical Reference Models (TRM) which identify technical migration road-maps leading to the incorporation of emerging information technology and protocol standards.

- Performs analyses associated with the formulation of System Reference Models (SRM) which are developed to allocate functions and identify interfaces (physical and logical) providing the basis for development of a subsequent performance specification.
- Provides direct customer interface as required to analyze, recommend, and implement information technology based design tools. This includes investigations associated with creating an integrated electronic design and management environment (IED&ME) providing for the capture, development, and management of architectural objects and instances of design. Analyses of distributed IED&ME capabilities include formulating features such as “intra-nets”, collaborative WEB-sites, and relational databases.
- Functional Responsibility: Responsible for performing direct interface with customer senior technical, and management personnel for investigating sophisticated emerging information technology system architecture concepts and processes. Provides analyses involving the logical planning and integration of information technology into system concept alternatives; and/or formulating operational, technical, and system reference models and architectures as required in initiating the systems engineering process.
- Masters degree in an engineering or computer science discipline.

4. Commercial Job Title: Systems Engineer I

- Entry level technical position that requires exercising independent judgment and technical discretion when providing technical support in any of the following areas: system architecture, system/equipment design, system integration, technical management, and direct interface with customer management personnel for the solution of emergent engineering and technical problems.
- Assists in evaluating and developing technical input to the systems engineering process. Typical products include identification of customer/user needs and objectives.
- Provides requirements analysis for systems missions and environments to identify functional definitions and designs for system hardware and software architecture.
- Provides progress measurement, assessment, and decision mechanisms required to evaluate design capabilities and document system design and decision data.
- Develops, maintains, and performs quality assurance reviews of engineering data, e.g., specifications, equipment technical manuals, system level manuals, and engineering drawings.
- Provides other support in related acquisition and engineering elements, including reliability/ maintainability modeling and evaluation, safety engineering, human factors engineering, and quality assurance.
- Functional Responsibility: Provides input for engineering management plans, monitors schedule execution; assists in the preparation of status reports; and provides technical contributions to hardware and software engineers for development of engineering designs and documentation.
- Bachelor’s degree in an engineering or computer science discipline or Associates degree with technical certification in an engineering or computer science discipline

5. Commercial Job Title: Systems Engineer II

- 3-5 Years experience in a mid level technical position that requires exercising independent judgment and technical discretion when providing technical support in any combination of the following areas: system architecture, system/equipment design, system integration, technical management, and direct interface with customer management personnel for the solution of emergent engineering and technical problems; and total quality management review of systems, hardware and computer software engineering products developed by more junior system engineers and hardware and software engineers.
- Evaluates and develops technical input to the systems engineering process. Typical products include identification of customer/user needs and objectives; and requirements definition, including missions, measures of effectiveness, use environments, and constraints.

- Performs requirements analysis for systems missions and environments to identify functional definitions and designs for system hardware and software architecture.
- Defines performance and design constraints. Develops and/or reviews specifications, drawings and product descriptive data; and provides technical support to customer systems requirements analyses and participates in technical and management reviews.
- Defines and integrates functional architectures for which system products and processes can be designed.
- Performs functional analysis to the lower level functions required to accomplish the parent system requirement.
- Defines and designs system products and process solutions in terms of design requirements that satisfy functional architecture and define and integrate the system and physical (hardware and software) architecture.
- Conducts interactive syntheses to: define the system elements for each logical set of functional and performance requirements; determine design completeness; refine physical and communications interfaces; and define system alternatives.
- Provides progress measurement, assessment, and decision mechanisms required to evaluate design capabilities and document system design and decision data. These mechanisms include trade-off studies; effectiveness analyses; risk management, configuration management, data management; and performance-based progress management.
- Develops, maintains, and performs quality assurance reviews of engineering data, e.g., specifications, equipment technical manuals, system level manuals and engineering drawings. Provides other support in related acquisition and engineering elements, including reliability/maintainability modeling and evaluation, safety engineering, human factors engineering, quality assurance.
- Functional Responsibility: Prepares engineering management plans, monitors schedule execution, and integrates recommendations for corrective and remedial action; prepares status reports and provides technical guidance to junior engineers for development of engineering designs and documentation.
- Bachelor's degree in an engineering or computer science discipline.

6. Commercial Job Title: Design Engineer

- 3-5 Years working experience in cable plant network architecture, and cable plant media systems. The experience shall include systems projects involving design of fiber and copper cable plant infrastructure to include cable trays, racks and wall closets.
- Possesses a sound knowledge of cable plant wiring codes and network topologies and architectures. Able to design and plot network systems to include considerations in the area of facility wiring closets, equipment rack elevations, and office floor plan layouts. Develops build-to and as-built drawings and associated network databases as required.
- Proficient in all aspects of AutoCAD operations. Configures AutoCAD software, hardware, and peripherals.
- Functional Responsibility: Designs, engineers, installs, configures, and certifies cable plant infrastructure media backbone systems to meet complex system integration requirements.
- Associates degree in engineering discipline or computer science; or certification in network systems design; or certified by the Building Industry Consulting Services International (BICSI) organization as a Registered Communications Distribution Designer (RCDD) and/or RCDD-LAN Specialist.

7. Commercial Job Title: Electronics Technician Class II

- 3-5 years experience in installing and maintaining either electronic systems and components or networks and cable plants along with associated software. Experience includes training on test equipment and diagnostics.

- **Functional Responsibility:** Works under general supervision and installs, operates, maintains, or repairs complex electronic or integrated network systems. Applies working technical knowledge to perform simple or routine tasks in working on electronic equipment, following instructions that may or may not cover all procedures. Assists higher or lower level technicians in performing such activities as replacing components, wiring circuits, taking test measurements, and performing preventive and corrective maintenance.
- Repairs complex electronic equipment and uses tools and test equipment that are more sophisticated than the routine pieces of equipment (e.g., spectrum analyzers, Q-meters, pulse generators, etc.).
- Performs procedures, observes results, and records information for evaluation.
- Performs operational checks and basic start-up procedures and conducts routine preventive maintenance in accordance with written procedures. Applies comprehensive technical knowledge to solve complex problems (i.e., those that typically can be solved solely by interpreting manufactures' manuals or similar documents) in working on electronic equipment.
- Determines work sequences and selects appropriate tools and test equipment for the maintenance and repair of electronic equipment and systems. Interprets the results found during testing sequences and evaluates test data against acceptance criteria.
- High school diploma (or GED equivalent) or technical certification in an electronic discipline.

8. Commercial Job Title: Electronics Technician Class III

- 5-7 years experience in installing and maintaining either electronic systems and components or networks and cable plants along with associated software. Experience includes work with various network protocols, test equipment, and diagnostics.
- **Functional Responsibility:** Works independently to install, operate, maintain or repair highly complex electronic or integrated network systems. Applies working technical knowledge to perform routine or complex tasks in working on electronic equipment, following instructions that may or may not cover all procedures.
- Assists lower level technicians in performing such activities as replacing components, wiring circuits, and taking test measurements.
- Repairs simple and complex electronic equipment and uses tools and test equipment that are more sophisticated than the routine pieces of equipment.
- Performs procedures, observes results, and records information for evaluation.
- Performs operational checks and basic start-up procedures and conducts routine preventive maintenance in accordance with written procedures. Applies advanced technical knowledge to solve unusually complex problems (i.e., those that typically cannot be solved solely by interpreting manufacturers' manuals or similar documents) in working on electronic equipment.
- Exercises independent judgment in performing tasks such as making circuit analysis and tracing relationships in signal flow, and regularly uses complex test instruments.
- High school diploma (or GED equivalent) or technical certification in an electronic discipline.

9. Commercial Job Title: Telecommunications Specialist

- 3-5 Years experience in analysis, design, and/or integration of sophisticated Telecommunications Systems which may also include LAN/WAN/MAN systems, data and videoconferencing systems, distance learning, multimedia, telemedicine, laboratory information management systems, electronic messaging/electronic data interchange, etc.
- Provides systems analysis and assessments or performs the installation, upgrade, modification, configuration, documentation, and/or troubleshooting of specialized telecommunications systems, networks, or components.

- Functional Responsibility: Responsible for the analysis, design, installation, integration, configuration, operation, and/or troubleshooting of telecommunications systems.
- Bachelor's degree in an engineering or computer science discipline

10. Commercial Job Title: Data Communications Specialist

- 3-5 Years experience in design and installation of integrated data communications and transfer systems, which may also include videoconferencing systems, distance learning, multimedia, telemedicine, laboratory information management systems, and electronic messaging/electronic data interchange.
- Performs the installation, upgrade, modification, configuration, documentation, and troubleshooting of the specialized services; and evaluation, testing, and recommendation of additional network shared services.
- Specializes in Internet/intranet services, including news servers, GILS, home pages; email gateway switches; or other specialized network applications.
- Functional Responsibility: Responsible for the design, installation, configuration, operation, and troubleshooting of data communications and transfer systems.
- Associates degree in an engineering or computer science discipline

11. Commercial Job Title: Configuration Management/Data Management Specialist

- 5-7 Years working experience in configuration management and configuration control or in data management, technical library, and technical editing fields associated with IT as relates to computer-based systems.
- Must be able work independently or as a member of a task team. Experience includes using automated and manual databases, computer-assisted search functions, analyses and/or edit of records and/or technical documentation; and developing reports. In-depth understanding of administrative or technical functions related to computer system, electronic or mechanical hardware and/or computer programs configuration management and/or documentation management processes.
- Knowledge of drawings and the transition process from engineering design to full scale production of embedded computer military weapon/ warfare/training systems; a working knowledge of acquisition management systems and data requirements control lists, data item descriptions, DD form(s) 1423 preparation, data scrub and review board procedures.
- Provides technical or administrative expertise for planning and implementing proposed changes to system/equipment hardware and/or software configuration items;
- Develops and/or reviews configuration management plans, technical documentation, specifications or planning/management or logistics data.
- Supports the development or review of engineering change proposals; provide technical support to customer configuration control boards; and participate in technical reviews and functional and physical configuration audits.
- Develops content for contract technical packages (SOW, CDRL, Specifications) and assist and advise senior and junior logistics personnel in the resolution of configuration control issues.
- Provides technical or administrative expertise for planning, managing and controlling technical documentation, to include library establishment/maintenance functions; establishment/maintenance of databases; performance of data search, research and analysis functions; editing and redaction of technical and planning documentation; and/or the development of action and reporting systems.
- Functional Responsibility: Responsible for the implementation and administration of configuration management requirements or data management/control programs, or the technical editing and redaction of documentation, to support

the acquisition and life cycle support of computer-based electronic, electromechanical and related military or commercial systems/equipment. Bachelor's degree.

12. Commercial Job Title: Junior Logistician

- 1-3 Years experience in logistics, configuration management, or a directly related field. Must be able to exercise independent judgment and technical discretion to provide service in the areas of logistic and configuration management planning and execution, logistics product development and maintenance, configuration control, and logistics supportability problems.
- Functional Responsibility: Contributes to the development of management and technical content for sections and subsections of logistics plans to support acquisition and life cycle support of electronic, electromechanical, and other military or commercial systems/equipment; monitors the execution of planning schedules and develops recommendations for remedial or corrective action; and assists with the development of status reports reflecting support goals, progress, and problems.
- High school diploma (or GED equivalent) or technical certification in a logistic discipline.

13. Commercial Job Title: Junior Project Specialist

- 1-3 Years experience in Government Agency/DoD IT program management and acquisition policy procedures.
- Supports project execution including functions of electronic commerce and Internet transactions/search. The duties are technical and/or analytical and are performed under the general supervision of a Project Specialist. Provides support in the areas of monitoring program budgeting and funding baselines, tracking project expenditures, monitoring project milestones, coordinating procurement packages, coordinating program briefings, implementing project control measures, and performing status reporting and action item tracking.
- Functional Responsibility: Responsible for the support of project management functions to include acquisition coordination and research, electronic commerce and Internet transactions/search, and project cost/schedule status monitoring.
- Bachelor's or associates degree in a business discipline.

14. Commercial Job Title: Project Specialist

- 3-5 Years of IT-related experience associated with Government Agency/DoD project management support/execution as well as systems acquisition policy and procedures involving IT systems/components, C4I systems, or computer-based electronic systems Experience in electronic commerce and Internet transactions/search.
- Provides services in the planning/ monitoring of project budgets and schedules, the development of project control measures, the tracking of program deliverables, the development of procurement packages, the analysis of program strategies, and the preparation and review of program briefings. Must have knowledge of contract types, contract sections, funding types and sources, and contract processes.
- Functional Responsibility: Responsible for the support of project management functions to include systems acquisition planning and electronic commerce. Position is required to assist project managers in developing program strategies, documents, and briefings; as well as in planning, controlling and monitoring program execution status.
- Bachelor's degree in business discipline.

15. Commercial Job Title: Computer-Aided design (CAD)Operator I

- Prepare architectural, mechanical, building, and/or floor plan drawings, including detailed diagrams of duct work, telephone equipment, computer equipment, cabling, racks, electrical, lighting, and/or construction blue prints.
- Familiar with proper use of printers, plotters, and other CAD peripheral devices.

- Familiar with CAD quality assurance standards.
- Familiar with standard telecommunications terminology, including terms such as hubs, concentrators, routers, servers, LANs, WANs, Ethernet, Token Ring, UTP, coaxial, and cable.
- Functional Responsibility: Creates original CAD drawings from sketches or red-lined architectural drawings. Creates electrical and telecommunications network schematics that accurately depict copper and fiber optic cable, security systems voice networks, broadband, baseband, CCTV, audio networks, etc. Modifies existing CAD drawings to reflect as-built red line changes.
- High school diploma plus one year of experience as a CAD operator creating engineering and technical drawings.

16. Commercial Job Title: Computer-Aided Design (CAD) Operator II

- 1-3 Years experience in preparing architectural, mechanical, building, and/or floor plan drawings, including detailed diagrams of duct work, telephone equipment, computer equipment, LAN/WAN, cabling, racks, electrical, lighting, and/or construction blue prints.
- Ability to create multiple building, campus, laboratory, or shipboard drawings that properly depict physical facilities and network connectivity.
- Proficient in proper use of printers, plotters, and other CAD peripheral devices.
- Proficient in CAD quality assurance standards.
- Proficient with standard telecommunications terminology, including terms such as hubs, concentrators, routers, servers, LANs, WANs, Ethernet, Token Ring, UTP, coaxial, and fiber.
- Functional Responsibility: Creates original CAD drawings from sketches or red-lined architectural drawings. Creates electrical and telecommunications network schematics that accurately depict copper and fiber optic cable, voice networks, broadband, baseband, CCTV, audio networks, etc. Modifies existing CAD drawings to reflect as-built red line changes.
- Associates degree in an engineering discipline, systems design, or computer science; or high school diploma plus two years of experience as a CAD operator creating engineering and technical drawings.

17. Commercial Job Title: Purchasing Specialist

- 3-5 Years experience in IT or computer-based electronic/ electromechanical systems wholesale/retail supply or purchasing operations.
- Knowledge of NICP/NMP operations to include cataloging, requisitioning procedures, provisioning, depot operations, and stock accounting.
- Knowledge of the Government Agency/DoD acquisition process, including the regulations and procedures pertaining to logistics functions/milestones in small purchase procedures and shipping regulations. May be required by DoD to be knowledgeable of the Logistics Intelligence Files (LIF) and capable of obtaining current status of requisitioned items.
- Functional Responsibility: Responsible for support in wholesale/retail supply to include cataloging, requisitioning, provisioning, and stock accounting. Follows Government Agency/DoD acquisition processes, including regulations pertaining to logistics functions to include shipping and handling of material and equipment.
- High school diploma (or GED equivalent).

18. Commercial Job Title: Administrative Specialist

- Three years of experience in IT-related project administration.
- Proven administrative skills associated with project office or operational support functions including the development of correspondence; the coordination and scheduling of meetings, training sessions and conferences; and the oversight of

daily office operations. Demonstrated familiarity with IT-related nomenclature and Government/DoD correspondence standards and procedures.

- Possesses experience in supervising clerical functions.
- **Functional Responsibility:** Performs administrative duties required to support project management staff and ongoing office operations. Develops/implements office administrative procedures in accordance with organizational and project policies. Schedules/coordinates meetings and conferences. Composes correspondence that requires an understanding of technical nomenclature. Prepares required administrative reports. Trains clerical staff in the operation of computer/word processing and other office equipment. Duties require minimal Project Manager guidance to complete an assignment. Business/secretarial school certification; or high school diploma and one additional year of relevant experience.

19. Commercial Job Title: Cable Foreman

- Able to work independently while managing and/or supervising multiple teams and larger work crews. Able to plan and schedule team activities to complete fiber optic and copper cable installation projects per established schedules and budgets. Inspects completed work to verify compliance with project requirements and quality assurance standards. Establishes and maintains liaison with customers, general contractors, and other trades to coordinate overall project schedules and objectives.
- Extensive hands on experience installing vertical backbone and horizontal fiber optic, UTP state of the art, coaxial, audio, and video cable systems. Proficient in proper use of hand tools and test equipment, including OTDRs, power meters, and UTP scanners (currently Level 3 scanners). Proficient in proper testing and troubleshooting procedures, including documentation. Proficient in reading blue prints, project installation plans, and documentation. Verifies accuracy of red-lined as-built annotations on project drawings. Proficient in proper installation of support structures, including conduit, cable trays, racks, patch panels, cable management systems, outlets, and jacks. Proficient in installation of cable support systems such as Hilti clips and D-rings. Proficient in pulling and securing fiber optic and copper cable systems. Understands fiber optic and copper cable terms and concepts, including FDDI, fast Ethernet, and switched Ethernet. Working knowledge of network integration concepts, including Ethernet, Token Ring, hubs, routers, etc. Assists with hardware configurations such as properly installing modules and setting switches in chassis per project drawings and specifications.
- Proficient with installation codes, practices, and procedures, including EIA/TIA standards, manufacturer recommendations, and OSHA standards.
- **Functional Responsibility:** Working manager/supervisor. Schedules work activities. Orders materials, tools, and test equipment. Determines and schedules manpower resources needed to complete projects per project schedules. Meets project schedules. Installs, terminates, tests, and certifies fiber optic cable systems and support structures. Inspects work to verify compliance with project requirements and quality assurance standards.
- High school diploma or trade school certification. Manufacturer certification for multiple product lines such as Siecor, AMP, Sumitomo, Ortronics, Mohawk, Belden, Panduit, etc. ACC Fiber Optic, UTP, and Coaxial Installation Certification. ACC Fiber Optic, UTP, and Coaxial Testing Certification.

20. Commercial Job Title: Cable Team Leader

- Able to work independently or as a supervisor of a small team to complete fiber optic, UTP, coaxial, audio, and video cable installation projects. Able to lead team members and meet intermediate schedule milestones.
- Able to identify improper installation techniques and provide on-the-job training support. Hands on experience installing vertical backbone and horizontal fiber optic and copper cable systems. Experienced in proper use of hand tools and test equipment, including OTDRs, power meters, and state-of-the-art UTP scanners. Experienced in proper testing and troubleshooting procedures including documentation. Proficient in reading blue prints, project installation plans, and documentation. Able to make red-lined as-built annotations to project drawings.
- Proficient in proper installation of support structures, including conduit, cable trays, racks, patch panels, cable management systems, outlets, and jacks.
- Proficient in installation of cable support systems such as Hilti clips and D-rings.
- Proficient in pulling and securing fiber optic, UTP, coaxial, audio, and video cable systems.

- Working knowledge of fiber optic and copper cable terms and concepts, including FDDI, Ethernet, CNE/MSE/Banyan.
- Proficient with installation codes, practices and procedures, including EIA/TIA standards, manufacturer recommendations, and OSHA standards.
- Mounts and connects LAN networking components, including hubs, servers, personal computers, and peripherals per project plans and drawings.
- Functional Responsibility: Fully qualified technician. Installs, terminates, tests, and certifies fiber optic and copper cable systems and support structures. Provides first level quality assurance and supervision. Supervises and leads small teams to complete project requirements.
- High school diploma/GED, military electronic specialization schools, or trade school certification. Manufacturer certification for multiple product lines ACC Fiber Optic, UTP, and Coaxial Installation Certification. ACC Fiber Optic, UTP, and Coaxial Testing Certification may be substituted for trade school certification.

21. Commercial Job Title: Installer

- Able to work independently or as a member of a crew to complete fiber optic, UTP, and/or coaxial cable installation projects as well as associated system components including power and other services.
- Hands on experience installing vertical backbone and horizontal fiber optic and copper cable systems.
- Experienced in proper use of hand tools.
- Experienced in proper installation of support structures, including conduit, cable trays, racks, patch panels, cable management systems, outlets, and jacks.
- Experienced installing cable support systems such as Hilti clips, D-rings, etc.
- Experienced pulling and securing fiber optic systems, copper cable systems and electrical systems.
- Understands proper use of test equipment and assists with testing activities.
- Working knowledge of fiber optic and copper cable terms and concepts.
- Working knowledge of installation codes, practices, and procedures, including EIA/TIA standards, manufacturer recommendations and OSHA standards.
- Functional Responsibility: Assists with fiber optic and copper cable installations. Under supervision, installs fiber optic and copper cable systems, supporting structures and components.
- High school diploma/GED, military electronic specialization schools, or trade school certification. Manufacturer certification as applicable, may be substituted for trade school certification.

**AUTHORIZED GSA IT PRICELIST
BUILDING INFRASTRUCTURE GROUP**

Part #	Description	GSA Price
PJM001	Project Manager	\$97.72
NET002	Electronics/Network Engineer II	\$95.12
SEG005	Principal Systems Engineer/Architect	\$162.58
SEG001	Systems Engineer I	\$73.94
SEG002	Systems Engineer II	\$82.37
DEG001	Design Engineer	\$53.18
ELT002	Electronics Technician Class II	\$48.86
ELT003	Electronics Technician Class III	\$64.73
TCS001	Telecommunications Specialist	\$69.61
DCS001	Data Communications Specialist*	\$41.73
CDS001	Configuration Management/Data Management Specialist	\$58.59
JRL001	Junior Logistician*	\$37.62
PJS001	Junior Project Specialist	\$37.18
PJS002	Project Specialist	\$55.56
CDO001	Computer-Aided Design (CAD) Operator I	\$43.45
CDO002	Computer-Aided Design (CAD) Operator II	\$56.94
PRS001	Purchasing Specialist	\$35.33
ADS001	Administrative Specialist*	\$23.78
CBF001	Cable Foreman	\$60.10
CTL001	Cable Team Leader*	\$51.76
INS001	Installer*	\$43.45