Telecommunication Solutions Group, Inc.
5540 Centerview Drive Suite 304
Raleigh, NC 27606

Proposed Information Technology Schedule

GSA MAS

Contract Number: **47QTCA18D00EX**

Period Covered by Contract: June 26, 2018 through June 25, 2028

5540 Centerview Drive - Suite 304 - Raleigh, NC 27606-3386

(919) 233-7300 Phone

919-233-7335 (fax)

ggoode@telcomsg.com

website: www.telcomsg.com

Dated: June 22, 2023

Federal Supply Service Authorized Federal Supply Schedule Price List Online access to contract ordering information, terms and conditions, up to date pricing, and the option to create an electronic delivery order are available through GSA Advantage!®, a menu driven database system. The internet address for GSA Advantage!® is: GSAAdvantage.gov.

AUTHORIZED FEDERAL SUPPLY SERVICE
INFORMATION TECHNOLOGY SCHEDULE PRICELIST
GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY
EQUIPMENT, SOFTWARE AND SERVICES

GENERAL SERVICES ADMINISTRATION

1a.

Products & Services Price List for 54151S

Service	Category	Net Price
TSG Labor	Sr. Project Manager	$94.45
TSG Labor	Sr. Network Engineer	$75.56
TSG Labor	Network Engineer	$65.49
TSG Labor	Senior Applications Programmer	$65.49
TSG Labor	Technical Project Manager	$75.56
TSG Labor	Technical Consultant	$75.56
TSG Labor	Senior Field Engineer	$64.48
TSG Labor	Application Systems Analyst/Programmer - Senior	$88.66
TSG Labor	Business Systems Analyst Senior	$89.67
TSG Labor	Systems Administrator	$77.58
TSG Labor	Systems Programmer	$80.09
TSG Labor	Database Administrator	$75.56
TSG Labor	Help Desk Support Services Specialist Intermediate	$50.38
TSG Labor	Help Desk Support Services Senior	$59.44
TSG Labor	LAN Administrator Senior	$65.49
TSG Labor	PC Systems Specialist	$55.41
TSG Labor	Quality Assurance Analyst Senior	$76.50
TSG Labor	Software Systems Engineer Senior	$90.68
TSG Labor	Telecommunication Analyst /Technician	$64.48
TSG Labor	Telecommunication/Communication Integration Engineer	$86.65
TSG Labor	Project Engineer	$90.68
TSG Labor	IT Subject Matter Specialist	$118.86

Product Catalog

2. Maximum order. None

3. Minimum order. None

4. Geographic coverage (delivery area). CONSUS

5. Point(s) of production (city, county, and State or foreign country). N/a

6. Discount from list prices or statement of net price. None

7. Quantity discounts. None

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

9. Foreign items (list items by country of origin). None

10a. Time of delivery. (Contractor insert number of days.) NA

10b. Expedited Delivery. The Contractor will insert the sentence "Items available for expedited delivery are noted in this price list." under this heading. The Contractor may use a symbol of its choosing to highlight items in its price lists that have expedited delivery. None

10c. Overnight and 2 day delivery. Overnight and 2-day delivery. The Contractor will indicate whether overnight and 2-day delivery are available. Also, the Contractor will indicate that the schedule customer may contact the Contractor for rates for overnight and 2-day delivery. NA

10d. Urgent Requirements. The Contractor will note in its price list the "Urgent Requirements" clause of its contract and advise agencies that they can also contact the Contractor's representative to effect a faster delivery.

11. F.O.B. point(s). FOB destination

12a. Ordering address(es). 5540 Centerview Drive Ste 304, Raleigh, NC 27606

12b. Ordering procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPAs) are found in Federal Acquisition Regulation (FAR) 8.405-3.

13. Payment address(es). 5540 Centerview drive, Ste 304 Raleigh, NC 27606

14. Warranty provision. NA

15. Export packing charges, if applicable. NA

16. Terms and conditions of rental, maintenance, and repair (if applicable). NA

17. Terms and conditions of installation (if applicable). NA

18a. Terms and conditions of repair parts indicating date of parts price lists and any discounts from list prices (if applicable).

18b. Terms and conditions for any other services (if applicable).

19. List of service and distribution points (if applicable).

20. List of participating dealers (if applicable).

21. Preventive maintenance (if applicable).

22a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants). None

22b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g., Contractor's website or other location.) The EIT standards can be found at: www.Section508.gov/. www.telcomsg.com

23. Unique Entity Identifier (UEI) number: VZZDQJ565K65

Labor Category Descriptions – SINs 54151S

Established in 2000, **Telecommunication Solutions Group, Inc. (TSG)** is an ISO 9001:2015 registered, CVE-verified Veteran Owned Small Business (VOSB), providing Systems Integration and Enterprise Management Solutions. Our product and service offerings include telecommunications, cyber-security, application development, network & information technology services provided to the Federal, State, Local Government, Military and Private sectors. We support the client's architectural needs by designing and implementing state-of-the-art technology solutions and personnel to provide ongoing support.

For more information on ordering from Federal Supply Schedules go to the GSA Schedules page at GSA.gov or TSG website www.telcomsg.com
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TSG OFFERS SERVICES AND EQUIPMENT IN THE FOLLOWING AREAS:

- Telecommunication Systems & Support
- Cybersecurity
- Video Conferencing & Audio-Visual Systems
- Specialized Computer Equipment & Software
- Network and Computer Support
- Application Development
- Project Management
- Financial Systems Support
- Logistics Support
- Staff Augmentation

GSA MAS: SIN: 54151S

FPDS Code D302   IT Systems Development Services
FPDS Code D306   IT Systems Analysis Services
FPDS Code D307   Automated Information Systems Design and Integration Services
FPDS Code D308   Programming Services

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Product Catalog

Pricing

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TSG Labor	Telecommunication Analyst /Technician	$64.48
TSG Labor	Telecommunication/Communication Integration Engineer	$86.65

| TSG Labor | Project Engineer | $90.68 |
| TSG Labor | IT Subject Matter Specialist | $118.86 |

Labor Categories Descriptions

Senior Project Manager

Description of Position: : Responsible for all aspect of the development and implementation of assigned projects and provides a single point of contact for those projects Takes projects from original concept through final implementation. Interfaces with all areas affected by the project including end-users, computer services and client services. Defines scope and objectives, develops detailed work plans, schedules, project estimates, resource plans and status reports. Conduct project meetings and is responsible for project tracking and analysis. Ensures adherence to quality standards and reviews vendor deliverables. Provides technical and analytical guidance to project team. Recommends and takes action to direct the analysis and solutions of problems.

Qualifications:
B.S. Computer Science or related discipline required. A Master of Science (M.S) is desired and/or written certifiable knowledge of Project Management. A minimum of 10 years of progressive working experience is required.

Senior Application Programmer

Minimum/General Experience: Able to plan, design, develop, modify, and test application programs. Able to translate systems/subsystems designs and detailed designs into applications logic. Able to provide advice on differing control systems applications designs and access methods in problem resolution, design, and development situations.

Functional Responsibility: Able to work with other senior technical and user staff to complete projects as well as provide assistance and guidance to less experienced technical staff.

Minimum Education: Has a Bachelor's Degree in an engineering discipline or seven (5) years related work experience developing web-based application utilizing Unix, Java, C++ and SQL.

Technical Project Manager

Minimum/General Experience: Qualified in leading the design, development and maintenance of IT projects including developing layout and detailed drawings, preparing written specifications, performing design calculations and developing cost estimates. Able to plan, design, develop, modify, test and support software applications/interfaces as well as translate design and program specifications into functioning software code. Able to coordinate project needs with other design disciplines. Capable of investigating project design alternatives as identified by the Senior Design Engineer. Able to perform research for identification of acceptable materials or equipment. Capable of performing on-site inspections of projects.

Functional Responsibility: Acts as the senior technical focal point for all projects within the program responsible for all contractual, staffing, financial, performance and delivery issues. Minimum Education: Possesses a Bachelor's Degree in an engineering discipline.

Technical Consultant

Minimum/General Experience: Able to plan, architect and design complex systems. Able to translate systems/subsystems designs and detailed designs into applications logic. Able to provide advice on differing control systems applications designs and access methods in problem resolution, design, and development situations.

Functional Responsibility: Able to work with other senior technical and user staff to complete projects as well as provide assistance and guidance to less experienced technical staff.

Minimum Education: Has a Bachelor's Degree in an engineering discipline or seven (7) years related work experience developing web-based application utilizing Unix, Java, C++ and SQL.

Senior Field Engineer

Minimum/General Experience: Provide IT services for hardware, software and telecommunications support as they are responsible for the support of all IT equipment, to include network servers, Personal Computers (PCs), printers, portable computers, Radio

Frequency (RF) equipment, LAN/WAN hardware/software and other miscellaneous IT equipment to include Blackberry PDAs. The position requires the performance of services to analyze, implement, evaluate, document, integrate and provide support to the end-users and LAN.

Functional Responsibility: Able to work with other senior technical and user staff to complete projects as well as provide assistance and guidance to less experienced technical staff.

Minimum Education: Has a Bachelor's Degree in an engineering discipline or seven (5) years related work experience support complex systems and networks. MCSE certification is required. CCNA is desired but not required.

Senior Network Engineer

Description of Position: Under general direction, manages the purchases, installation and support of network communications, including LAN/WAN systems. Responsible for evaluating current systems and making recommendations. Works on complex problems where analysis of situation requires in-depth evaluation of various factors. Plans large-scale systems projects through vendor comparison and cost studies. Provide work leadership and training to lower level network engineers. Requires expert knowledge of LAN/WAN systems, networks and applications.

Qualifications:
B.S. Computer Science or related discipline required. Prefer written certifiable knowledge of specific network, systems and/or application. A minimum of 5 years of progressive working experience is required.

Network Engineer

Description of Position: Under general direction, oversees the purchases, installation and support of network communications, including LAN/WAN systems. Responsible for evaluating current systems. Works on problems of diverse scope where analysis of situation requires evaluation and judgment. Assist in the planning of large-scale systems projects through vendor comparison and cost studies. Requires thorough knowledge of LAN/WAN systems, networks and applications.

Qualifications:
B.S. Computer Science or related discipline and/or written certifiable knowledge of specific network, systems and/or application. A minimum of 3 years of progressive working experience is required.

Applications Systems Analyst/Programmer - Senior:

Under general direction, formulates and defines system scope and objectives. Devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, operating time, and form of desired results. Prepares detailed specifications from which programs will be written. Designs, codes, tests, debug, and document those programs. Competent to work at the
highest technical level of all phases of applications systems analysis and programming activities. May be responsible for completion of a phase of a project. Regularly provides guidance and training to less-experienced analyst/programmers.

Business Systems Analyst - Senior:
Under general direction, formulates and defines systems scope and objectives based on both user needs and a good understanding of applicable business systems and industry requirements. Devises or modifies procedures to solve complex problems considering computer equipment capacity and limitations, operating time, and form of desired results. Includes analysis of business and user needs, documentation of requirements, and translation into proper system requirement specifications. Guides and advises less-experienced Business Systems Analysts. Competent to work at the highest technical level of most phases of systems analysis while considering the business implications of the application of technology to the current and future business environment.

Systems Administrator:
Coordinates the data administration technical function for both data warehouse development and maintenance. Plans and oversees the technical transitions between development, testing, and production phases of the workplace. Facilitates change control, problem management, and communication among data architects, programmers, analysts and engineers. Establishes and enforces

processes to ensure a consistent, well-managed and well-integrated data warehouse infrastructure. Expands and improves data warehouse to include data from all functions of the organization using data manipulation, transformation and cleansing tools. Requires three years of experience in the field.

Systems Programmer:
Responsible for product support and maintenance of the data warehouse. Performs data warehouse design and construction. Codes and documents scripts and stored procedures. Designs/implements data strategy methods. Develops appropriate programs and systems documentation. Assists with Meta
data repository management. Prepares/implements data verification and testing methods for the data warehouse. Creates index and view scripts. Two years of experience in the field required.

Database Administrator:
Participates in the design, creation, and maintenance of computerized databases. Responsible for quality control and auditing of databases to ensure accurate and appropriate use of data. Works with management to develop database strategies to support company needs. Consults with and advises users
on access to various databases. Works directly with users to resolve data conflicts and inappropriate data usage. Directs the maintenance and use of the corporate data dictionary. Typically requires two to four years of experience.

Help Desk Support Services Specialist - Intermediate:
Under general supervision, provides second-tier support to end users for either PC, server, or mainframe applications and hardware. Handles problems that the first-tier of help desk support is unable to resolve. May interact with network services, software systems engineering, and/or applications development restore service and/or identify and correct core problem. Simulates or recreates
user problems to resolve operating difficulties. Recommends systems modifications to reduce user problems. Maintains currency and high level of technical skill in field of expertise. Escalates more complex problems to senior level.

Help Desk Support Services Specialist - Senior:
Under general direction, provides second-tier support to end users for either PC, server, or mainframe applications and hardware. Handles problems that the first tier of help desk support is unable to resolve. May interact with network services, software systems engineering, and/or applications development to restore service and/or identify and correct core problem. Simulates or recreates user problems to resolve operating difficulties. Recommends systems modifications to reduce user problems. Maintains currency and highest level of technical skill in field of expertise.

LAN Administrator - Senior:
Under general direction, responsible for administration and day-to-day operation of organization's local area network (LAN). Provides integrated team support and maintenance of LAN hardware and software. Maintains integrity of the LAN hardware and software. Installs LAN software upgrades, including planning and scheduling, testing and coordination. Studies vendor products to determine those which best meet organization needs; assists in presentation of information to management resulting in purchase, and installation of hardware, software, and telecommunications equipment. Performs LAN security procedures, including implementing login requests. Evaluates new products and technologies to determine impact on existing system configurations. Prepares proposals, cost/benefit analyses, and feasibility studies. Provides liaison support between the PC/LAN team, vendors and internal support group as needed. Typically requires five to seven years of experience. Frequently reports to an information system executive.

PC Systems Specialist:
Under general supervision, performs analytical, technical, and administrative work in the planning, design, and installation of new and existing personal computer systems. Works on moderately complex applications. Confers with end users to determine types of hardware and software required. Writes
programs to fulfill requirements or selects appropriate off-the-shelf software and modifies to suit. May maintain or utilize telecommunications protocols. Installs new hardware and maintains existing hardware. Trains end users in use of equipment and software. Frequently reports to a PC Support Manager.

Quality Assurance Analyst - Senior:
Under general direction, carries out procedures to ensure that all information systems, products and services meet organization standards and end-user requirements. Performs and leads tests of software to ensure proper operation and freedom from defects. May create test data for applications. Documents

and works to resolve all complex problems. Reports progress on problem resolution to management. Devises improvements to current procedures and develops models of possible future configurations. Acts as information resource about assigned areas to technical writers and other Quality Assurance Analysts. Performs complex workflow analysis and recommends quality improvements. Frequently reports to a Quality Assurance Manager.

Software Systems Engineer – Senior

Under general direction, formulates and defines specifications for complex operating software programming applications or modifies/maintains complex existing applications using engineering releases and utilities from the manufacturer. Designs, codes, tests, debug, and documents those programs. Responsible for applications dealing with the overall operating system, such as sophisticated file maintenance routines, large telecommunications networks, computer accounting, and advanced mathematical/scientific software packages. Competent to work at this highest technical level on all phases of software systems programming applications. May have responsibility for the evaluation of
new and existing software products. May assist other systems programmers to effectively utilize the system's technical software.

Telecommunications Analyst/Technician:
Provides maintenance of the switching equipment. Performs more complex activities for routine maintenance on switch. Reads and interprets circuit diagrams and electrical schematics.
Qualifications:
B.S. Computer Science or related discipline and/or written certifiable knowledge of specific network, systems and/or application. A minimum of 3 years of progressive working experience is required.

Telecommunications/Communications Integration Engineer:
Provides technical direction and analysis for telecommunication activities, including planning, designing, integrating, installing and maintaining large-scale telecommunications/ communications networks and services with computer systems. Applies telecommunications/communications engineering principles
and theory to propose design and configuration alternatives. Analyzes network performance, usage and traffic flows, accesses and interfaces, transmission techniques, and protocols to interface with computer systems.

Project Engineer:
Manages long-term IT engineering projects. Performs engineering design evaluations and works to complete projects within budget and scheduling restraints. Develops, implements, and monitors information systems policies and controls to ensure data accuracy, security, and regulatory compliance. Reviews reports of computer and peripheral equipment production, malfunction, and maintenance to determine and address problems.

IT Subject Matter Specialist:
Provides extremely high-level subject matter proficiency for work described in the task. Provides advanced technical knowledge and analysis of highly specialized applications and operational environment, high-level functional systems analysis, design, integration, documentation, training, and implementation advice on complex problems that require doctorate level knowledge of the subject matter for effective implementation.