GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE
AUTHORIZED FEDERAL SUPPLY SCHEDULE PRICE LIST

MULTIPLE AWARD SCHEDULE (MAS)
Federal Supply Group: Information Technology

Global Technology Associates
1890 Preston White Drive Suite 150
Reston, VA 20191
Telephone: (703) 476-8999
www.gtatelecom.com

Contract Number: GS-35F-176BA
Period Covered by Contract: January 29, 2019 through January 28, 2024
Modification: PA-0021, effective June 30, 2022
Business Size: Large
Contract Administration: Jonathan Alipanah, email: gsa@gtatelecom.com

On-line 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 GSA Advantage! ® is: GSAAdvantage.gov.

For more information on ordering from Federal Supply Schedules go to the GSA Schedules page at GSA.gov.
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CUSTOMER INFORMATION

1a. Table of awarded special item number(s) with appropriate cross-reference to item descriptions and awarded price(s).

SIN 54151S – Information Technology Professional Services

SIN OLM – Order-Level Materials (OLM)

Item descriptions and awarded pricing can be found on pages: 6 - 23

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract. This price is the Government price based on a unit of one, exclusive of any quantity/dollar volume, prompt payment, or any other concession affecting price. Pricing can be found on page 23

1c. If the Contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided. Labor category descriptions can be found on pages 6 - 22

2. Maximum order. $500,000

3. Minimum order. $100

4. Geographic coverage (delivery area). Domestic

5. Point(s) of production (city, county, and State or foreign country). Reston VA 20191 Fairfax County

6. Discount from list prices or statement of net price. Prices shown in pricelist are net.

7. Quantity discounts. None

8. Prompt payment terms. 1% - 20 days, Net 30. 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). N/A


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.  **Negotiated by Task Order.**

10c. 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. **Negotiated by Task Order.**

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. **Negotiated by Task Order.**

11. F.O.B. point(s). **Destination**

12a. Ordering address(es).

   **Global Technology Associates**  
   **1890 Preston White Drive Suite 150**  
   **Reston, VA 20191**

12b. 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.

13. Payment address(es).

   **Global Technology Associates**  
   **1890 Preston White Drive Suite 150**  
   **Reston, VA 20191**

14. Warranty provision. **Standard Commercial**

15. Export packing charges, if applicable. **N/A**

16. Terms and conditions of rental, maintenance, and repair (if applicable). **N/A**

17. Terms and conditions of installation (if applicable). **N/A**

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

18b. Terms and conditions for any other services (if applicable). **N/A**

19. List of service and distribution points (if applicable). **N/A**

20. List of participating dealers (if applicable). **N/A**
21. Preventive maintenance (if applicable). N/A

22a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants). N/A

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/. 

23. Unique Entity Identifier (UEI) number. K1WDQYKHQAG6

24. Notification regarding registration in the System for Award Management (SAM) database. Registered
LABOR CATEGORY DESCRIPTIONS

Engineer 1

General Experience
The Engineer 1 works under supervision learning the design and deployment of wireless access networks which provides high-speed communication to fixed location users using point to point or point to multi-point radios. Training in the design phase includes radio access network planning, site surveys, path analysis, interference analysis, demand planning, test and measurement of the equipment. The individual takes data given (coordinates, antenna info.) and develops parameters that allow the network to operate to ensure they are achieving coverage linkage.

Functional Responsibilities
➢ Seeks to gain a good knowledge of the mobile radio propagation aspects and prediction models
➢ Performs RF engineering related technical analysis
➢ Supports project staff in the field, including personnel from GTA, clients and contractors
➢ Provides input to the tool and database the related data and ensure data are updated
➢ Provides logistics support for engineering function
➢ Drive testing for CW and modulated signal measurement
➢ Performs analysis of the field collected data, generating the required documentation and reports
➢ Carries out area and site surveys
➢ Performs RF network design, planning and optimization activities as required
➢ Performs Frequency planning and interference analysis

Education
Bachelor of Science from a four-year college in Electrical Engineering (BSEE).

Experience
Six months work experience in RF wireless design engineering on telecommunications systems with RF deployment experience.

Engineer 2

General Experience
The Engineer 2 works to implement the design and deployment of wireless access networks which provide high-speed communication to fixed location users using point to point or point to multi-point radios. Training in the design phase includes radio access network planning, site surveys, path analysis, interference analysis, demand planning, test and measurement of the
equipment. Training in the deployment phase includes the Drive test and measurement, data analysis using tools. The individual takes data given (coordinates, antenna info.) and develops parameters that allow the network to operate to ensure they are achieving coverage linkage. Independent judgment is required at the day to day level and performance of the job, uses judgment in terms of how to implement the procedures.

**Functional Responsibilities**
- Performs RF design for cellular, Supercell and micro-cellular systems.
- Performs links budget calculations, capacity calculations and frequency planning.
- Uses at least two prediction tools such as dBPlanner, EDX-Signal Pro, Pathloss, CelPlan, Telecordia.
- Develops drive testing procedures and carries out the tests and measurements.
- Intermediate level of use for MapInfo and other analysis tools.
- Performs analysis of measured data, in order to modify network design and enhance performance. Ensures the deployment of an optimum system, making sure that service coverage is in line with the objective and the strategy adopted by the service provider.
- Collects, analyzes, and evaluates measurement drive data
- Experienced in reducing network wide drop calls, high interference levels, and poor network access percentages
- Maintains measured drive data collection tool knowledge such as TEMS, Actix, etc.

**Education**
Bachelor of Science from a four-year college in Electrical Engineering (BSEE)

**Experience**
One year work experience in RF wireless design engineering on telecommunications systems with RF deployment experience.

**Engineer 3**

**General Experience**
The Engineer 3 is responsible for the analysis, design, implementation and enhancement of wireless telecommunications networks. These include existing and planned networks for cellular and digital mobile phone and data transmission networks. Responsibilities include linking budgets, system dimensioning for coverage and capacity including traffic analysis, site equipment, initial system design and dimensioning, coverage planning, site identification and evaluation, frequency planning and interference analysis.

**Functional Responsibilities**
- Seeks to gain a good knowledge of the mobile radio propagation aspects and prediction models
- Performs engineering related technical analysis
- Sets up drive test equipment and calibrating test equipment
- Drives testing for CW and modulated signal measurement
- Performs analysis of the field collected data, generating the required documentation and reports
➢ Performs propagation model tuning
➢ Carries out area and site surveys
➢ Assesses link budgets and design criteria
➢ Performs system dimensioning tasks, including traffic analysis as required
➢ Performs RF network design, frequency planning, interference analysis, and optimization activities as required
➢ Performs site candidate evaluation and generate site search area maps
➢ Participates in site technical visits to identify RF equipment locations and antenna orientation
➢ Analyzes network performance data
➢ Verifies RF related site engineering drawings, and perform site build verification and acceptance

Education
Bachelor of Science from a four-year college in Electrical Engineering (BSEE) with an emphasis in wireless telecommunications.

Experience
Two years work experience in RF wireless design engineering on telecommunications systems with RF deployment experience. For RF Engineer a minimum of 1.5 years of RF engineering experience and or has been an Associate Engineer II for a minimum of nine months.

Engineer 4

General Experience
The Engineer 4 is responsible for the analysis, design, implementation and enhancement of wireless telecommunications networks. These include existing and planned networks for cellular and digital mobile phone and data transmission networks. Responsibilities include linking budgets, system dimensioning for coverage and capacity including traffic analysis, site equipment, initial system design and dimensioning, coverage planning, site identification and evaluation, frequency planning and interference analysis.

Functional Responsibilities
➢ Performs propagation model tuning
➢ Assesses of RF planning tools and procure RF planning databases; topography, morphology and demography
➢ Assesses link budgets and design criteria
➢ Performs system dimensioning tasks, including traffic analysis as required
➢ Analyzes RF equipment specifications
➢ Performs RF network design, planning, interference analysis, and optimization activities as required
➢ Generates site search area maps and perform site candidate evaluation
➢ Participates in site technical visits to identify RF equipment locations and antenna orientation
➢ Verifies RF related site engineering drawings and perform site build verification and acceptance
➢ Generates RF engineering related reports as required and produce appropriate documentation on work status and activities
➢ Has full understanding of the contract RF engineering scope of work
➢ Trains RF engineers as required
➢ Prepares materials and present at design reviews as required
➢ Determines customer satisfaction with GTA and communicate to the relevant GTA personnel

**Education**
Bachelor of Science from a four-year college in Electrical Engineering (BSEE) with an emphasis in wireless telecommunications.

**Experience**
Three years work experience in RF wireless design engineering on telecommunications systems with RF deployment experience. For an RF Engineer a minimum of 2.5 years of RF engineering experience and or has been a Design Engineer I for minimum of 1 year.

**Engineer 5**

**General Experience**
The Engineer 5 is responsible for overseeing the design and deployment of Fixed Wireless Access Networks which provides high-speed communication to fixed location users, using point to point or/and point to multi-point radios. Managing the design phase includes overseeing pre-deployment equipment analysis, and technology assessment, market analysis, radio network planning, site surveys, path analysis, access planning, interference analysis, demand planning, test and measurement of the equipment and interfacing with the market development team. While in the deployment phase, oversees test and measurement, compiles site packages in coordination with site acquisition, construction management and the clients, works with installation to verify equipment configuration, contributes to and oversees antenna alignment and acceptance testing of equipment. The individual typically oversees and guides the work of other Engineers, in charge of managing the day to day operations of the projects, and interfaces with Project Managers. The Senior Engineer answers technical questions as well as day to day operational questions.

**Functional Responsibilities**
➢ Understands technologies such as LTE, CDMA, and FDMA/OFDM.
➢ Understands modulation schemes (QPSK, GMSK, N*QAM) and duplexing techniques (TDD, FDD, HFDD).
➢ Understands capacity analysis, traffic engineering, link budgets, frequency planning, and interference analysis.
➢ Ensures the deployment of an optimum system, making sure that service coverage is in line with the objective and the strategy adopted by the service provider.
➢ Devises test plans, test site scheduling, equipment calibration and setup, RF measurements and data analysis.
➢ Files status reports to the Federal Communications Commissions (FCC), as required.
➢ Defines the requirements and establishes the design criteria to identify the network planning tools to use and the required databases.
➢ Performs measurement integration into the planning tool in order to tailor the tool for the specific design market environment.
➢ Identifies base station sites for system coverage provision, and performs site surveys with
other network implementation teams, in order to verify suitability of the sites for zoning, acquisition and construction.

➢ Implements high performance operational wireless networks which include initial RF network design, re-design, regular design reviews, RF build verification, system RF acceptance, optimization and continuous technical support to all deployment teams.

➢ Understands from experience, propagation tools such as dBPlanner, EDX-Signal-Pro, CelPlan Suites.

Education
Bachelor of Science from a four-year college in Electrical Engineering (BSEE) with an emphasis in wireless telecommunications.

Experience
Five years work experience in RF wireless design engineering on telecommunications systems with RF deployment experience and previous managerial experience.

Engineer 6

General Experience
The Engineer 6 is responsible for overseeing the analysis, design, implementation and enhancement of wireless telecommunications networks. These include existing and planned networks for cellular and digital mobile phone and data transmission networks. Responsibilities include site approvals, linking budgets, system dimensioning for coverage and capacity including traffic analysis, initial system design and dimensioning, coverage planning, frequency planning and interference analysis.

Functional Responsibilities
➢ Understands capacity analysis, traffic engineering, link budgets, frequency planning, and interference analysis.
➢ Ensures the deployment of an optimum system, making sure that service coverage is in line with the objective and the strategy adopted by the service provider.
➢ Devises test plans, test site scheduling, equipment calibration and setup, RF measurements and data analysis.
➢ Files status reports to the Federal Communications Commissions (FCC), as required.
➢ Identifies base station sites for system coverage provision, and performs site surveys with other network implementation teams, in order to verify suitability of the sites for zoning, acquisition and construction.
➢ Implements high performance operational wireless networks which include initial RF network design, re-design, regular design reviews, RF build verification, system RF acceptance, optimization and continuous technical support to all deployment teams.
➢ Understands from experience, propagation tools such as dBPlanner, EDX-Signal-Pro, CelPlan Suites.
➢ Has full understanding of the contract RF engineering scope of work
➢ Trains RF engineers and staff from other functions as required
➢ Determines customer satisfaction with GTA and communicate to the relevant GTA personnel
➢ Assumes the RF lead role, manage and co-ordinate activities of the RF team in as required
➢ Communicates RF team budget, milestones and deliverables to project management and implement plans to accomplish the milestones within budget, as required

**Education**
Bachelor of Science from a four-year college in Electrical Engineering (BSEE) with an emphasis in wireless telecommunications.

**Experience**
Six years work experience in RF wireless design engineering on telecommunications systems with RF deployment experience and previous managerial experience.

**Engineer 7**

**General Experience**
The Engineer 7 is responsible for managing the analysis, design, implementation and enhancement of wireless telecommunications networks. These include existing and planned networks for cellular and digital mobile phone and data transmission networks. The Principal Engineer acts as project lead, with responsibilities that include approving sites, linking budgets, system dimensioning for coverage and capacity including traffic analysis, evaluating system design and dimensioning, coverage planning, frequency planning and interference analysis.

**Functional Responsibilities**
- Understands capacity analysis, traffic engineering, link budgets, frequency planning, and interference analysis.
- Ensures the deployment of an optimum system, making sure that service coverage is in line with the objective and the strategy adopted by the service provider.
- Devises test plans, test site scheduling, equipment calibration and setup, RF measurements and data analysis.
- Implements high performance operational wireless networks which include initial RF network design, re-design, regular design reviews, RF build verification, system RF acceptance, optimization and continuous technical support to all deployment teams.
- Understands from experience, propagation tools such as dBPlanner, EDX-Signal-Pro, CelPlan Suites.
- Trains RF engineers and staff from other functions as required
- Assumes the RF lead role, manage and co-ordinate activities of the RF team in as required
- Communicates RF team budget, milestones and deliverables to project management and implement plans to accomplish the milestones within budget
- Performs RF engineers performance reviews as required
- Represents GTA to clients, and work actively to enhance business opportunities with clients and communicate further opportunities to the relevant GTA personnel
- Helps with proposal writing and tender responses

**Education**
Bachelor of Science from a four-year college in Electrical Engineering (BSEE) with an emphasis in wireless telecommunications; Master degree preferred.
Experience
Seven years work experience in RF wireless design engineering on telecommunications systems with RF deployment experience with at least three as a supervisor.

Engineer 8

General Experience
The Engineer 8 is responsible for managing the analysis, design, implementation and enhancement of wireless telecommunications networks. These include existing and planned networks for cellular and digital mobile phone and data transmission networks. The Principal RF Engineer acts as project lead, with responsibilities that include approving RF sites, linking budgets, system dimensioning for coverage and capacity including traffic analysis, evaluating system design and dimensioning, RF coverage planning, frequency planning and interference analysis.

Functional Responsibilities
➢ Understands capacity analysis, traffic engineering, link budgets, frequency planning, and interference analysis.
➢ Ensures the deployment of an optimum system, making sure that service coverage is in line with the objective and the strategy adopted by the service provider.
➢ Devises test plans, test site scheduling, equipment calibration and setup, RF measurements and data analysis.
➢ Implements high performance operational wireless networks which include initial RF network design, re-design, regular design reviews, RF build verification, system RF acceptance, optimization and continuous technical support to all deployment teams.
➢ Understands from experience, propagation tools such as dBPlanner, EDX-Signal-Pro, CelPlan Suites.
➢ Determines customer satisfaction with GTA and communicate to the relevant GTA personnel
➢ Assumes the RF lead role, manage and co-ordinate activities of the RF team in as required
➢ Communicates RF team budget, milestones and deliverables to project management and implement plans to accomplish the milestones within budget, as required
➢ Determines customer satisfaction with GTA and communicate to the relevant GTA personnel
➢ Communicates RF team budget, milestones and deliverables to project management and implement plans to accomplish the milestones within budget
➢ Represents GTA to clients, and work actively to enhance business opportunities with clients and communicate further opportunities to the relevant GTA personnel

Education
Bachelor of Science from a four-year college in Electrical Engineering (BSEE) with an emphasis in wireless telecommunications; Master degree preferred.

Experience
Eight years work experience in RF wireless design engineering on telecommunications systems with RF deployment experience with at least three as a supervisor.
**Member Technical Staff 1 (MTS1)**

*General Experience*
The Member of Technical Staff 1 (MTS1) is responsible for the installation and maintenance of the telecom system infrastructure and terminal equipment and facilities. The MTS1 uses knowledge of communication and systems to conduct field surveys, and install and configure telecommunications equipment. The MTS1 has an ability to understand and articulate customer needs, and a history of taking initiative.

*Functional Responsibilities*
- Installs and configures telecommunications and related equipment according to job order specifications, standards, and procedures.
- Diagnoses equipment malfunctions.
- Maintains and repairs telecommunications systems and equipment according to manufacturer recommendations and specifications.
- Implements approved system/device changes in accordance with applicable procedures.
- Assists other groups in troubleshooting problems that require technical analysis or performance review.
- Conducts field surveys to document installation requirements.
- Performs on-site inventories. Verify resulting inventory records and report to management as required.

*Education/Experience*
Two-year associates degree

*Experience*
One year of experience in a directly related field (telecom or IT).

**Member Technical Staff 2 (MTS2)**

*General Experience*
The Member of Technical Staff 2 (MTS2) is responsible for the installation and maintenance of the telecom system infrastructure, terminal equipment, and associated facilities. The MTS2 has knowledge of communications equipment and systems to conduct field surveys, and install and configure telecommunications equipment. The MTS2 has a demonstrated technical expertise and a record of successful projects and satisfied clients, an ability to understand and articulate customer needs, and a history of taking initiative. The MTS2 produces network diagrams, provide test results, and develops other network documentation per project requirements.

*Functional Responsibilities*
- Installs and configures telecommunications and related equipment according to job order specifications, standards, and procedures.
- Diagnoses equipment malfunctions.
Maintains and repairs telecommunications systems and equipment according to manufacturer recommendations and specifications.

Implements approved system/device changes in accordance with applicable procedures.

Tests and evaluates systems/devices to eliminate problems and make improvements.

Conducts field surveys to document installation requirements.

Performs on-site inventories. Verifies resulting inventory records and report to management as required.

Performs RF drive testing to carry out propagation and signal measurement.

Measures field data for the base site to identify RF signals frequencies and respective powers.

Collects, analyzes, and evaluates measurement drive data.

**Education**

Two-year associates degree

**Experience**

Two years of experience in a directly related field (telecom or IT).

**Member Technical Staff 3 (MTS3)**

**General Experience**

The Member of Technical Staff 3 (MTS3) is responsible for the installation and maintenance of the telecom system infrastructure, terminal equipment, and associated facilities. The MTS3 uses knowledge of communications equipment and systems to conduct field surveys, and install and configure telecommunications equipment. The MTS3 has a demonstrated technical expertise and a record of successful projects and satisfied clients, an ability to understand and articulate customer needs, and a history of taking initiative. The MTS3 produces network diagrams, provide test results, and develop other network documentation per project requirements. The MTS3 also produces reports and other deliverables per client requirements.

**Functional Responsibilities**

- Installs and configures telecommunications and related equipment according to job order specifications, standards, and procedures.
- Maintains and repairs telecommunications systems and equipment according to manufacturer recommendations and specifications.
- Tests and evaluates systems/devices to eliminate problems and make improvements.
- Conducts field surveys to document installation requirements.
- Establishes time and cost estimates. Maintains accurate records of staff hours and materials used.
- Creates and publishes and maintains up to date and accurate telecom documentation and diagrams. May act as project manager on assigned projects.
- Performs on-site inventories. Verifies resulting inventory records and report to management as required.
- Performs RF drive testing to carry out propagation and signal measurement.
- Measures field data for the base site to identify RF signals frequencies and respective powers.
- Maintains measured drive data collection tool knowledge such as TEMS, Actix, etc.
- Analyzes network performance data.
➢ Produces appropriate documentation on work status and activities

Education
Two-year associates degree

Experience
Three years of experience in a directly related field (telecom or IT).

Member Technical Staff 4 (MTS4)

General Experience
The Member of Technical Staff 4 (MTS4) is responsible for the installation and maintenance of the telecom system infrastructure, terminal equipment, and associated facilities. The MTS4 uses knowledge of communications equipment and systems to conduct field surveys, and install and configure telecommunications equipment. The MTS4 has supervisory experience, including managing other technicians based on the scope of the project. The MTS4 reviews the work of the technicians and provides the necessary guidance and instruction for task completion. The MTS4 produces network diagrams, provide test results, and develops other network documentation per project requirements. The MTS4 also produces reports and other deliverables per client requirements.

Functional Responsibilities
➢ Installs and configures telecommunications and related equipment according to job order specifications, standards, and procedures.
➢ Maintains and repairs telecommunications systems and equipment according to manufacturer recommendations and specifications.
➢ Implements approved system/device changes in accordance with applicable procedures.
➢ Tests and evaluates systems/devices to eliminate problems and make improvements.
➢ Assists other groups in troubleshooting problems that require technical analysis or performance review.
➢ Establishes time and cost estimates. Maintains accurate records of staff hours and materials used.
➢ Creates and publishes and maintains up to date and accurate telecom documentation and diagrams. May act as project manager on assigned projects.
➢ Performs RF drive testing to carry out propagation and signal measurement.
➢ Measures field data for the base site to identify RF signals frequencies and respective powers.
➢ Collects, analyzes, and evaluates measurement drive data
➢ Maintains measured drive data collection tool knowledge such as TEMS, Actix, etc.
➢ Drives testing for CW and modulated signal measurement
➢ Measures field data for the base site to identify RF signals frequencies and respective powers.
➢ Analyzes network performance data
➢ Produces appropriate documentation on work status and activities

Education
Two-year associates degree
Experience
Four years of experience in a directly related field (telecom or IT).

**Member Technical Staff 5 (MTS5)**

**General Experience**
The Member of Technical Staff 5 (MTS5) is responsible for the installation and maintenance of the telecom system infrastructure, terminal equipment, and associated facilities. The MTS5 uses knowledge of communications equipment and systems to conduct field surveys, and install and configure telecommunications equipment. The MTS5 has supervisory experience, including managing other technicians based on the scope of the project. The MTS5 reviews the work of the technicians and provides the necessary guidance and instruction for task completion. The MTS5 produces network diagrams, provides test results, and develops other network documentation per project requirements. The MTS5 also produces reports and other deliverables per client requirements. The MTS5 is a key point of contact for client interaction, with such interaction to include routine status and project updates, escalation, and deliverable management.

**Functional Responsibilities**
- Installs and configures telecommunications and related equipment according to job order specifications, standards, and procedures.
- Maintains and repairs telecommunications systems and equipment according to manufacturer recommendations and specifications.
- Implements approved system/device changes in accordance with applicable procedures.
- Tests and evaluates systems/devices to eliminate problems and make improvements.
- Establishes time and cost estimates. Maintains accurate records of staff hours and materials used.
- Creates and publishes and maintains up to date and accurate telecom documentation and diagrams. May act as project manager on assigned projects.
- Measures field data for the base site to identify RF signals frequencies and respective powers.
- Collects, analyzes, and evaluates measurement drive data
- Maintains measured drive data collection tool knowledge such as TEMS, Actix, etc.
- Train junior staff as needed
- Manages project/activity communications with client
- Produces deliverables and manage escalations

**Education**
Two-year associates degree

*Experience*
Five years of experience in a directly related field (telecom or IT). Experience with supervising of technicians, including work assignment and task/activity approval.
The Consultant 1 is responsible for providing strategic, technical, and management consulting to wireless carriers and telecommunications equipment manufacturers. Such consulting includes market analysis, technology development, service and product development, sales support, proposal development, and client/customer relationship management. The area of focus includes existing and planned networks for cellular and digital mobile phone and data transmission networks.

**Functional Responsibilities**
- Conducts contract negotiations and project scope management.
- Provides strategic and tactical leadership.
- Provides key account management for customers.
- Maintains working knowledge of analytic approaches, techniques and technologies
- Has good listening skills, and an ability to ask questions and probe to uncover issues
- Maintains a proficient understanding of integration, analytic and database technologies
- Demonstrates leadership in professional setting.
- Demonstrates teamwork and collaboration in a professional setting.

**Education**
Bachelor of Science from a four-year college in Electrical Engineering (BSEE) or comparable field.

**Experience**
Seven years work experience with wireless carriers or telecommunications equipment manufacturers, including having served in positions of technical leadership.

**Consultant 2**

**General Experience**
The Consultant 2 is responsible for providing strategic, technical, and management consulting to wireless carriers and telecommunications equipment manufacturers. Such consulting includes market analysis, technology development, service and product development, sales support, proposal development, and client/customer relationship management. The area of focus includes existing and planned networks for cellular and digital mobile phone and data transmission networks. Consultant 2 is responsible for providing life cycle consulting support, from requirements generation and analysis to measurement and improvement.

**Functional Responsibilities**
- Maintains working knowledge of analytic approaches, techniques and technologies
- Experienced with commercial (sales, marketing, pricing, etc.) and/or operations functions (supply chain, procurement, etc.)
- Provides executive communication and presence – has ability to shape and deliver succinct, structured and client relevant communications to senior leadership on findings/outcomes of analytic efforts, implications to business, recommendations and proposed actions with a strong focus on the value creation opportunity for our clients.
- Maintains proficient understanding of integration, analytic and database technologies
- Conducts contract negotiations.
➢ Provides strategic and tactical leadership

Education
Bachelor of Science from a four-year college in Electrical Engineering (BSEE) or comparable field.

Experience
Eight years work experience with wireless carriers or telecommunications equipment manufacturers, including having served in positions of technical leadership. Minimum of 3 years of “big 4” or similar consulting support to clients in the telecommunications industry.

Consultant 3

General Experience
The Consultant 3 is responsible for providing strategic, technical, and management consulting to wireless carriers and telecommunications equipment manufacturers. Such consulting includes market analysis, technology development, service and product development, sales support, proposal development, and client/customer relationship management. The area of focus includes existing and planned networks for cellular and digital mobile phone and data transmission networks. Consultant 3 is responsible for providing life cycle consulting support, from requirements generation and analysis to measurement and improvement. Responsibilities also include sales origination, client management, and project delivery responsibilities.

Functional Responsibilities
➢ Maintains a working knowledge of analytic approaches, techniques and technologies
➢ Experience with commercial (sales, marketing, pricing, etc.) and/or operations functions (supply chain, procurement, etc.)
➢ Executive communication and presence - ability to shape and deliver succinct, structured and client relevant communications to senior leadership on findings/outcomes of analytic efforts, implications to business, recommendations and proposed actions with a strong focus on the value creation opportunity for our clients.
➢ Proficient understanding of integration, analytic and database technologies
➢ Proven problem analysis and issue based problem solving skills to support delivery and/or proposal development including value proposition, business case, project delivery approach and commercial terms development
➢ Maintains proficient understanding of integration, analytic and database technologies
➢ Conducts contract negotiations.
➢ Provides strategic and tactical leadership
➢ Manages key client accounts.

Education
Bachelor of Science from a four-year college in Electrical Engineering (BSEE) or comparable field.

Experience
Ten years work experience with wireless carriers or telecommunications equipment manufacturers, including having served in positions of technical leadership. Minimum of 5 years of “big 4” or similar consulting support to clients in the telecommunications industry.

**Consultant 4**

*General Experience*

The Consultant 4 is responsible for providing strategic, technical, and management consulting to wireless carriers and telecommunications equipment manufacturers. Such consulting includes market analysis, technology development, service and product development, sales support, proposal development, and client/customer relationship management. The area of focus includes existing and planned networks for cellular and digital mobile phone and data transmission networks. Consultant 3 is responsible for providing life cycle consulting support, from requirements generation and analysis to measurement and improvement. Responsibilities also include sales origination, client management, and project delivery responsibilities.

*Functional Responsibilities*

- Maintains a working knowledge of analytic approaches, techniques and technologies
- Experience with commercial (sales, marketing, pricing, etc.) and/or operations functions (supply chain, procurement, etc.)
- Executive communication and presence - ability to shape and deliver succinct, structured and client relevant communications to senior leadership on findings/outcomes of analytic efforts, implications to business, recommendations and proposed actions with a strong focus on the value creation opportunity for our clients.
- Proficient understanding of integration, analytic and database technologies
- Proven problem analysis and issue based problem solving skills to support delivery and/or proposal development including value proposition, business case, project delivery approach and commercial terms development
- Conducts contract negotiations.
- Provides strategic and tactical leadership
- Manages key client accounts.

*Education*

Bachelor of Science from a four-year college in Electrical Engineering (BSEE) or comparable field and a Master of Business Administration.

*Experience*

Twelve years work experience with wireless carriers or telecommunications equipment manufacturers, including having served in positions of technical leadership. Minimum of 8 years of “big 4” or similar consulting support to clients in the telecommunications industry. Should have prior experience with group or division P&L responsibilities.

**Project Manager 1**

*General Experience*
The Project Manager 1 manages and coordinates projects leading to the development of regional telecommunications systems. Responsibilities include the development of project proposals, project planning, decision-making, and project fiscal management. Organizes the preparation of Requests for Proposals; evaluates and recommends the selection of vendors to secure and deploy necessary equipment. Supervision is exercised over professional, technical and administrative personnel. Duties include directing and coordinating the engineering and deployment of telecommunications networks and systems, and facilitating interdisciplinary operational meetings and discussions.

**Functional Responsibilities**

- Manages all phases of project development to ensure user satisfaction, project continuity and internal consistency.
- Develops project schedules and processes to ensure user satisfaction, project continuity and the timely delivery of services.
- Prepares regular progress, project status and problem resolution reports regarding status of telecommunications construction plans.
- Works within stringent deadlines to complete assignments within a restricted time period.
- Performs needs assessment of strategic telecommunications requirements.
- Effectively communicates orally and in writing at all levels.
- Exercises good judgment in safeguarding confidential or sensitive information.

**Education**

Requires a Bachelor's degree in a technical field or project management training in managing projects of a technical nature with a telecommunications focus.

**Experience**

Five years of telecommunications experience specializing in electronic telecommunications systems and the design, construction, and maintenance of large regional or statewide communications system. Must have three years of progressively responsible project management experience in a large regional telecommunications system.

**Project Manager 2**

**General Experience**

The Project Manager 2 manages and coordinates projects leading to the development of regional telecommunications systems. Responsibilities include the development of project proposals, project planning, decision-making, and project fiscal management. Organizes the preparation of Requests for Proposals; evaluates and recommends the selection of vendors to secure and deploy necessary equipment. Supervision is exercised over professional, technical and administrative personnel. Duties include directing and coordinating the engineering and deployment of telecommunications networks and systems, and facilitating interdisciplinary operational meetings and discussions.

**Functional Responsibilities**

- Manages all phases of project development to ensure user satisfaction, project continuity and internal consistency.
➢ Supervises and coordinates professional, technical, and non-technical staff by establishing performance measures, goals, objectives and priorities, providing direction and feedback, and ensuring assigned projects/tasks are completed accurately and by the specified due date.

➢ Prepares regular progress, project status and problem resolution reports regarding status of telecommunications construction plans.

➢ Manages relationships with vendors and contractors to ensure equipment and services procured and installed meet requirements and specifications.

➢ Works within stringent deadlines to complete assignments within a restricted time period.

➢ Prepares budget and cost estimates to determine necessary funding for assigned area budget through projections.

➢ Analyzes and interprets financial data to determine and project budget needs.

➢ Conducts needs assessment of telecommunications requirements.

➢ Communicates effectively orally and in writing at all levels.

**Education**

Requires a Bachelor's degree in a technical field or project management training in managing projects of a technical nature with a telecommunications focus.

**Experience**

Seven years of telecommunications experience specializing in electronic telecommunications systems and the design, construction, and maintenance of large regional or statewide communications system. Must have five (5) years of progressively responsible project management experience in a large regional telecommunications system.

**Project Manager 3**

**General Experience**

The Project Manager 3 manages and coordinates projects leading to the development of regional telecommunications systems. Responsibilities include the development of project proposals, project planning, decision-making, and project fiscal management. Organizes the preparation of Requests for Proposals; evaluates and recommends the selection of vendors to secure and deploy necessary equipment. Supervision is exercised over professional, technical and administrative personnel. Duties include directing and coordinating the engineering and deployment of telecommunications networks and systems, and facilitating inter disciplinary operational meetings and discussions.

**Functional Responsibilities**

➢ Manages all phases of project development to ensure user satisfaction, project continuity and internal consistency.

➢ Develops project schedules and processes to ensure user satisfaction, project continuity and the timely delivery of services.

➢ Prepares regular progress, project status and problem resolution reports regarding status of telecommunications construction plans.

➢ Oversees the preparation of bid specifications for major telecommunication projects to include towers, buildings, standby power plants, test equipment, land mobile radios and private microwave.
➢ Monitors time and dollar expenditures to ensure projects and budgets meet established targets.
➢ Ability to manage multiple large projects.
➢ Works within stringent deadlines to complete assignments within a restricted time period;
➢ Interpret, analyze and evaluate available data and make decisions concerning complex and comprehensive operational problems.
➢ Prepares budget and cost estimates to determine necessary funding for assigned area budget through projections.
➢ Analyzes and interprets financial data to determine and project budget needs;
➢ Communicates effectively orally and in writing at all levels;

Education
Requires a Bachelor's degree in a technical field or project management in managing projects of a technical nature with a telecommunications focus.

Experience
Eight years of telecommunications experience specializing in electronic telecommunications systems and the design, construction, and maintenance of large regional or statewide communications system. Must have seven years of progressively responsible project management experience in a large regional telecommunications system.
## GSA PRICING

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