



Knowledge Services
State of Mississippi
Managed Service Provider
Request for Project Services Work Order

Project Name: MSWIN Technical Consultant

State Agency: Mississippi Wireless Communications Commission

Vendor Name: LMR Strategies

Estimated Project Start Date: March 31, 2025

Estimated Project Completion Date: March 31, 2026
with optional 4 one year renewals through 2030

Scope of Work

Project Overview

The MS Wireless Communication Commission (WCC) is seeking the services of a Vendor or Vendors with extensive expertise and experience related to the engineering and deployment of large-scale public safety wireless communication systems to provide. The vendor should specialize in wireless communications; have experienced, skilled, and knowledgeable staff of engineers, telecommunications specialists, project managers, and other qualified professionals to comprise a team of individuals who can successfully provide comprehensive technical oversight to the Mississippi Wireless Information Network (MSWIN) as outlined below.

Background

Mississippi has developed the Mississippi Wireless Information Network (MSWIN) to provide a statewide system for first responders. The overall vision, goal and objective of the Wireless Communication Commission (WCC) for the MSWIN project was to develop and implement a wireless network with bandwidth which will support full voice, data, and interoperability for all users in the emergency services community.

The WCC has deployed MSWIN which includes 160+ communications sites (collocation on commercial towers or construction), purchase and installation of 700 MHz RF equipment, microwave telecommunication backbone network (TBN), equipment shelters, network integration, acceptance testing, communication hardware optimization, system exercising and piloting of interoperability capabilities of the MSWIN, subscriber units, dispatch equipment, and engineering and technical services.

Currently tower site construction, hardware and software implementation and system testing are complete on the entire MSWIN system as originally designed. To ensure the reliability and survivability of the MSWIN system the following actions are needed:

- Microwave network Refresh
- Universal Power Supply Batteries and Power Modules Refresh
- System Hardware, Software, and Firmware Refresh

MSWIN has been widely accepted by Mississippi's public safety and first responder community. At this time, the MSWIN system supports 65,000+ users representing over 500 Local Governing Agencies, 80 State, Tribal and Federal Agencies, and 30 Public Safety Non-Governmental Organizations.



Knowledge Services
State of Mississippi
Managed Service Provider
Request for Project Services Work Order

Scope of Work

Invoicing will be on an hourly basis as requested by the WCC.

The following project expectations will be ongoing throughout the life of the SOW:

- Project Meetings (estimated 120 hours annually)
- Region 23 Reviews (estimated 48 hours annually)
- Procurement Reviews (estimated 96 hours annually)
- Document and Contract Review (estimated 100 hours annually)
- Security Review and Recommendation (estimated 50 hours annually)
- Future Growth Review and Recommendation (estimated 120 hours annually)

The following is additional work that may be required as requested by the WCC

- Backhaul Audit (estimated 660 hours)
- Lifecycle Planning (estimated 500 hours)
- Critical Connect (estimated 200 hours)
- Local System Expansion Projects (estimated 200 hours)

The following list is an example of work to be requested

- Detail Design Reviews (DDRs)
- Detail Design Plan (DDPs)
- Site Candidate Information Packages (SCIPS)
- Console and Subscriber procurements
- MSWIN system configuration
- MSWIN coverage needs
- RF and MW technology changes
- Evaluate MSWIN potential uses
- Site Candidate Information Packages (SCIPS)
- Review of contract technical details
- Participate in meetings as required to discuss the MSWIN projects
- Assist with tracking project punch list items as requested

Technology / Technical Requirements

- Deployment and implementation of at least four (4) large-scale wireless communication systems for statewide public safety projects of similar size or scope to MSWIN
- Quality Assurance and Quality Control Services
- Experience in the design, licensing, deployment and testing of Sonet and MPLS Aviat, Alcatel-



Knowledge Services
State of Mississippi
Managed Service Provider
Request for Project Services Work Order

Lucent, and Cielo microwave networks

- Experience in the analyses and corrective action(s) necessary to resolve microwave path performance issues
- Experience with Motorola digital trunked two-way radio systems
- Experience in the deployment and testing of a state-wide, five master site P25 public safety network
- Experience in the upgrade and testing of a state-wide P25 700 MHz FDMA network to a P25 phase 2 TDMA network
- Governance of statewide or enterprise-wide wireless initiatives

Project Management/Planning/Work Breakdown

- The Vendor must explain how he/she would come up to speed on a project already in progress, and specifically what steps he/she would use to advise the State on whether to pay large invoices from the radio system implementation vendor for deliverables completed prior to this award.
- The Vendor must provide a description of his/her organization with sufficient information to substantiate proven experience in the services being proposed. Information to be provided includes but is not limited to:
 - Disclosure of any company restructurings, mergers, and acquisitions over the past three years that have impacted any services the Vendor has included in this proposal;
 - The location of its principal office and the number of executive and professional personnel employed at this office;
 - The number of years the Vendor has been in the business providing engineering, quality assurance/quality control, project management, and contract management services for wireless communications systems implementation and support;
 - The number of clients for whom the Vendor is currently providing wireless communications systems services;
 - The number of clients for whom the Vendor has provided wireless communications systems services in the past five years and the number of those clients whose project was completed on time and within budget;
 - The organization's size (e.g., employees, offices, locations) and structure (e.g., state, national, or international organization); and



Knowledge Services
State of Mississippi
Managed Service Provider
Request for Project Services Work Order

- Whether the Vendor is based locally, regionally, nationally, or internationally as well as its relationship to any parent firms, sister firms, or subsidiaries.
- The Vendor must propose appropriate quantity and quality of staff to ensure successful completion of this project and must provide details supporting the number of staff proposed.
- The Vendor proposal must contain an organizational chart identifying all individuals proposed by name, their assigned roles, and the chain of command inside the Vendor's organization for the proposed project team. In addition to the individual(s) proposed in response to this LOC, Vendor must indicate the number of individuals with similar skills and experience employed by their organization that could provide backup to the proposed project team.
- The Vendor must describe the issue resolution and escalation process that will be used within the Vendor's organization to resolve any problems or issues that may arise during the course of the project.

Required Vendor Experience

- | | |
|---|----------|
| • Experience in the direct supervision and management of tower construction for wireless communication systems | 20 Years |
| • Experience with and knowledge of the operational characteristics and design of digital trunked radio communications infrastructure | 15 Years |
| • Experience with and knowledge of the operational characteristics and design of microwave communications infrastructure | 20 Years |
| • Experience with Motorola digital trunked two-way radio systems | 20 Years |
| • Experience in the implementation, management, and administration of statewide, enterprise wide, or other large-scale wireless initiatives | 15 Years |
| • Experience in the supervision of site acquisition and development for tower construction | 20 Years |
| • Direct experience in acquiring and selling lease space on towers for a large-scale radio system | 15 Years |
| • Direct experience and familiarity with the composition and structure of soils throughout the state of Mississippi | 15 Years |
| • Experience with public safety radio projects | 15 Years |
| • Experience with statewide radio projects | 10 Years |
| • Direct experience in the design, deployment and implementation of public safety LTE/broadband networks | 5 Years |
| • Experience in the routine maintenance of tower sites, electrical generation equipment, microwave and LMR repeater infrastructure | 15 Years |
| • Experience in contracting for LMR system maintenance services | 10 Years |



Knowledge Services
State of Mississippi
Managed Service Provider
Request for Project Services Work Order

- Direct experience in the planning, emergency deployment, and operation of mobile communication sites and radios 15 Years
- Experience with Motorola TDMA digital trunked two way radio systems 5 Years
- Successful engagements with state entities in the past. Vendor must specifically describe the proposed personnel's relevant experience with state entities 10 Years
- Experience in development of communications interoperability solutions in response to emergencies. 15 Years
- Direct experience in the development of the technical features necessary for public safety use of 4G networks 5 years
- Ability to effectively communicate in English verbally and in writing No Min.
- Ability to interact with functional users and technical staff regarding business and information technology needs No Min.
- Ability to listen and solve problems No Min.
- Effective time management skills No Min.
- Ability to work independently in accordance with priorities set by the WCC Executive Officer No Min.

Vendor Resumes, if applicable

Submission required as provided in this procurement.

Other Requirements

Preference given to candidates with the below skills/experience. Must also meet minimum requirements.

- Local candidates always preferred
- Previous State/Gov experience preferred
- Ten years direct experience with the WCC's MSWIN System infrastructure, sites and operation.
- Working background in public safety, law enforcement, and emergency operation centers.
- Direct experience with FirstNet deployment efforts

These requirements will be included in the Quality of Experience - Evaluation process and criteria.

Place of Performance

The WCC is located in Jackson, MS. While the vendor can work remotely, the WCC prefers to have the tech consultant in person at least 50% of the time.

Period of Performance

One year upon signature, (with the option for four one-year renewals).



Knowledge Services
State of Mississippi
Managed Service Provider
Request for Project Services Work Order

Acceptance Criteria

Billable hours must be submitted for approval into the VMS dotStaff upon completion. Email, hand delivery, postal service submittals are considered incomplete.

WCC will have 10 working days to review/validate the invoice and either notify Vendor of acceptance in writing or provide Vendor a detailed list of deficiencies that must be remedied prior to approval of the invoice.

WCC reserves the right to take additional time to review submitted invoices if it's in the best interest of the department to do so.

In the event WCC notifies the Vendor of deficiencies, the Vendor shall make necessary corrections within five working days unless WCC consents in writing to a longer period of time. WCC has 10 working days to review and accept or reject the corrected plan of action. If WCC deems the corrected plan of action as not acceptable WCC reserves the right to terminate the SOW contract with selected vendor and payment for the unacceptable invoice(s) will not be authorized. While this procedure allows a Vendor two opportunities to correct deficiencies, WCC, at its sole discretion, may choose to allow the Vendor an additional correction cycle if the deficiencies are not substantial or if it is in WCC best interest to do so.

Pricing

Project Scope
Project Meetings (estimated 120 hours annually)
Region 23 Reviews (estimated 48 hours annually)
Procurement Reviews (estimated 96 hours annually)
Document and Contract Review (estimated 100 hours annually)
Security Review and Recommendation (estimated 50 hours annually)
Future Growth Review and Recommendation (estimated 120 hours annually)
Backhaul Audit (estimated 660 hours over 5 years)
Lifecycle Planning (estimated 500 hours over 5 years)
Critical Connect (estimated 200 hours over 5 years)
Local System Expansion Projects (estimated 200 hours over 5 years)

Resource's Role / Job Title	Hourly Bill Rate	Project Hours	Total Cost
Role 1: Principal Consultant	\$ 240	200	\$ 48,000
Role 2: Senior Consultant	\$ 230	4,030	\$ 926,900
Total Project Costs:		4,230	\$ 974,900

*** Note:** Total Project Costs are not to exceed amount submitted/proposed. Price must be **ALL INCLUSIVE**, including, but not limited to, any and all travel and delivery costs.



Knowledge Services
State of Mississippi
Managed Service Provider
Request for Project Services Work Order




In the event of any inconsistencies between this Request for Project Services Work Order and the terms of the Master Services Agreement, the following order of precedence shall be:

1. Master Services Agreement; and
2. Request for Project Services Work Order

Until the contract is approved and fully executed, any actions you take in reliance of contract approval are at your own risk. Therefore, it may be unwise to expend funds or incur expenses in anticipation that contract negotiations will be successful, and a tendered contract will be approved.

All project milestones, deliverables, tasks, or other such project activities shall be entered and approved in the dotStaff™ VMS by the State. Vendor acknowledges and agrees that Knowledge Services' payment to Vendor is contingent upon approval by the State and receipt of payment from the State by Knowledge Services. The State is solely responsible for approval and payment of all project activities, and Knowledge Services is not responsible or liable to Vendor for non-approval or non-payment by the State.

Authorization

Vendor Authorized Signature	Vendor Printed Name	Date
 <small>Bradley Johnson (Apr 3, 2025 19:05 CDT)</small>	Bradley Johnson	04/03/2025
Agency Authorized Signature	Agency Printed Name	Date
 <small>Karana Carroll (Apr 3, 2025 17:17 CDT)</small>	Karana Carroll	04/03/2025
MSP Authorized Signature	MSP Printed Name	Date
	Katie Belange	04/03/2025