

# Request for Information (RFI) - Sources Sought Notice



Viavi Solutions wants to identify potential sources capable of providing the design, construction, and installation of a Multi-User Multiple Input Multiple Output (mMIMO) Radio Unit (RU) chamber at Viavi's Chandler, AZ facility. This is a Sources Sought announcement to determine the availability and capability of qualified contractors interested in fulfilling the requirements outlined herein.

## Background

Multi-User Multiple Input Multiple Output (mMIMO) technology is a key component of next-generation wireless communication systems, promising significant improvements in spectral efficiency and network capacity. Testing the system-level performance of mMIMO base stations over-the-air requires specialized chambers that can provide controlled conditions for experimentation and validation.

## Objective

The objective of this notice is to gather information from potential offerors to determine their capability to meet the requirements outlined and to assess the level of competition for the upcoming procurement.

## Scope of Work

Design, construction, and installation of a Multi-User Multiple Input Multiple Output (mMIMO) Radio Unit (RU) chamber. The purpose of this chamber is to facilitate testing and system-level over-the-air performance validation of mMIMO base stations in a controlled environment.

## Minimum Experience Requirements

To be considered for this opportunity, contractors must possess the following minimum experience:

- **Experience in RF Chamber Design and Construction:**
  - The contractor must have a demonstrated track record of designing and constructing RF chambers specifically tailored for telecommunications testing purposes.
  - Experience in designing chambers for mMIMO testing or similar advanced wireless communication technologies would be highly desirable.
- **Technical Expertise:**
  - The contractor must possess a team of engineers and technicians with expertise in RF engineering, electromagnetics, and telecommunications.
  - Familiarity with industry-standard testing procedures and equipment for mMIMO radio units is essential.
- **Previous Projects and References:**
  - The contractor must provide evidence of successfully completed projects involving the design and construction of RF chambers.
  - References from past clients who can attest to the contractor's capabilities and the quality of their workmanship must be included.
- **Compliance with Regulations and Standards:**
  - The contractor must demonstrate knowledge of relevant regulations and standards governing RF chamber design and construction, such as FCC regulations and ANSI standards.

- Compliance with safety and environmental regulations is also required.
- **Financial Stability:**
  - The contractor must have financial stability and sufficient resources to undertake the project, including access to necessary materials, equipment, and labor.
- **Quality Assurance and Control Processes:**
  - The contractor must have established quality assurance and control processes to ensure that the final product meets or exceeds specifications.
  - Documentation of quality control procedures and certifications (e.g., ISO 9001) must be provided.
- **Ability to Meet Project Timeline:**
  - The contractor must demonstrate the capacity to complete the project within the specified timeline, including design, construction, and installation phases. This project must be completed by December 31, 2024.
  - Clear milestones and deliverables must be outlined in the contractor's proposal.
- **Communication and Collaboration Skills:**
  - Effective communication and collaboration skills are essential for coordinating with the client, subcontractors, and other stakeholders throughout the project lifecycle.
  - The contractor must demonstrate the ability to address client requirements and adapt to changing project needs.
- **Insurance and Liability Coverage:**
  - The contractor must carry appropriate insurance coverage, including general liability insurance and workers' compensation insurance, to protect against potential risks and liabilities associated with the project.
- **Legal and Regulatory Compliance:**
  - The contractor must be in good standing legally and ethically, with no history of litigation or regulatory violations that could impact their ability to fulfill contractual obligations.

## Response Instructions

Interested parties are invited to submit a capability statement addressing the following:

- Company name, address, point of contact, phone number, and email address.
- Description of the company's relevant experience, including past performance on similar projects.
- Confirmation of the company's ability to meet the minimum experience requirements outlined above.
- Any additional information or capabilities relevant to this opportunity.

## Submission Deadline

Responses to this notice must be submitted by May 7, 2024.

## Disclaimer

This notice is for informational and planning purposes only and does not constitute a solicitation or commitment on the part of Viavi Solutions to proceed with any potential procurement action. All information received will be used solely for market research purposes.

## Contact Information

For inquiries or to submit responses, please contact Manny Ben at [manny.ben@viavisolutions.com](mailto:manny.ben@viavisolutions.com). Thank you for your interest and participation in this market research effort.