



ALBUQUERQUE PUBLIC SCHOOLS

Request for Information

RFI # 22-008 RA

TITLE: Private LTE Network

RFI SCHEDULE

Action	Date & Time
Issued	06/22/2021
Non Mandatory Pre-Bid Meeting	N/A
Non-Mandatory Pre-Bid Meeting Location	N/A
Deadline for Questions	07/8/2021 @5:00 PM (local)
Due Date & Time	07/29/2021 @3:00 PM (local)
Information must be received by the due date and time.	

BUYER CONTACT INFORMATION

Name	Rennette Apodaca, MPA, CPPO, CPO
Phone Number	505-878-6112
E-Mail	Rennette.Apodaca@aps.edu
Any inquiries or requests regarding clarification of RFI document shall be submitted to the buyer in writing.	

RFI SUBMITTAL

Information must be submitted electronically via electronic bidding system (Vendor Registry) by required date and time as noted on document.

<https://vrapp.vendorregistry.com/Vendor/Register/Index/albuquerque-public-schools-nm-vendor-registration>

Offerors understand and agree that technical support may not be readily available the day of and or the hours/minutes prior to a bid closing time (Due Date/Time). Offerors also understand and agree that internet access, browsers, and operating systems are not supported by the District and/or its agents. **Offerors are strongly encouraged to review, create, and submit all electronic responses several days in advance of the due date and time.**

Introduction

Albuquerque Public Schools Technology Department is issuing this Request for Information (RFI) to gather current market information for Private LTE Network.

Intent of RFI

Private LTE Network vendors are strongly encouraged to respond to this RFI. The information received in response to this RFI will help determine the structure, type and approach to implementation of Private LTE Network for the District.

This is not a solicitation for quotations, bids or proposals. No contract award will result from this RFI. The District may contact vendors, at its sole discretion for additional information.

Response to this RFI is Not mandatory to be considered for any future solicitation for Private LTE Network Services. The District will determine, in its sole discretion, whether to proceed with a solicitation following this RFI. It is entirely the vendor's responsibility to remain informed of the District's issuance of any future solicitations. The District assumes no liability for failure of vendor to obtain and respond to any such solicitation.

Purpose

The purpose in issuing this RFI is to obtain information to assist the District in understanding current options for and approaches to LTE to select an efficient and effective approach to meet District needs.

About Albuquerque Public Schools

Albuquerque Public Schools is the largest school district in New Mexico and one of the nation's largest school districts, covering more than 1,230 square mile geographical area. Currently, APS has 13 high schools, 4 K-8 schools, 12 schools of choice, 27 middle schools, 88 elementary schools plus 30 APS authorized Charter schools. APS has approximately 75,000 students and 11,000 employees. An elected Board of Education composed of seven members serving staggered terms of four years each governs APS. The Superintendent is Scott Elder.

Background

Albuquerque Public Schools District is considering constructing a private LTE network infrastructure to provide fixed wireless internet connectivity to the homes of District students and families. The proposed wireless solution must be reliable, scalable, commercially supported, and is not limited to any specific manufacturer or wireless standard.

The intent is to furnish and installing new radios and antennas using existing towers or aerial structures, configurations of all equipment, fiber backhaul to the District schools if the towers are not located on the campus, licensing, testing/certifying of all the new cabling, permitting, if applicable, as well as all other associated work. Scope could include up to 100,000 subscribers.

Information Requested

1. How does a private LTE system work?
2. What type of infrastructure is required to build a Private LTE network?
3. Provide information regarding the following:
 - Coverage
 - Capacity
 - Control
 - Ability to provision and de-provision subscriber service based on information from student information system.
 - Range/Link Budget
 - Spectral efficiency/capacity
 - Mobility
 - Wide Interoperability
 - High to low rate scaling
 - Spectrum options
 - Security
 - Co-exist, complement and enhance existing Wi-Fi infrastructure
 - Roadmap to 5G
 - Timelines for building a private LTE System
 - Typical costs for building a private LTE System
 - Best practices
 - Alternative approaches
 - White papers/case studies

Responses

All costs incurred during response preparation or in any way associated with the vendor's preparation, response or submission shall be the sole responsibility of the vendor and will not be reimbursed by the District. Furthermore, there is no guarantee that a procurement of Private LTE Network will take place as a result of this RFI.

Response Items

All material submitted in response to this RFI becomes the property of the District. The responses may be for review by the public in accordance with Public Information Act. By submitting a response, the vendor acknowledges and accepts that the contents of the response and associated documents may become available to the public, except items that have been identified as proprietary by the vendor. Vendors shall label all information deemed proprietary or confidential in their response.

The District is not obligated to conduct subsequent discussions with any respondent to this RFI and reserves the right to conduct discussions regarding its subject matter with other vendors that do not respond to this RFI.

Introductory Materials

Title Page or Cover. The title page or cover must include the RFI number and title, The RFI due date and time, and the Respondent name and address.

Table of Contents. Each response shall be submitted with table of contents that clearly identifies and denotes the location of each section and sub-section of their response.

Executive Summary

In the Executive Summary, the Respondent should condense and highlight the contents of of the response in such a way as to provide the District with a broad understanding of the information provided.

Information Requested

The Responded shall include information as requested in this RFI.

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