







THE LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS
SYSTEM (LA-RICS) AUTHORITY
WELCOMES YOU TO THE CONFERENCE


REQUEST FOR INFORMATION (RFI) FOR
PORTABLE RADIOS TO BE USED ON THE
LA-RICS LAND MOBILE RADIO (LMR)
SYSTEM

RFI NO. LARICS-018

MAY 17, 2023



			
<p>Mute your microphone and turn off camera. Turn cell phones off or place on silent.</p>	<p>Sign in if you are in person or virtually via the Teams chat. Provide Name, Company, Email, Phone No.</p>	<p>Questions may be asked during presentation and/or during the Q&A. Type your questions in the meeting chat. Official responses will be issued via written addendum.</p>	<p>Sign-In Sheet will be posted on LA-RICS website post conference and attached via addendum.</p>



CONFERENCE AGENDA



1. Introductions
2. Point of Contact
3. LA-RICS Background
4. LMR System
5. RFI Objective
6. RFI Schedule of Events
7. RFI Response Format
8. Exhibit A (Portable Radio Requirements Matrix)
9. Exhibit B (Portable Radio Testing Criteria)
10. Portable Radios Required for Testing
11. RFI Response Submission
12. Presentations + Demonstrations
13. Reminders
14. Questions + Answers
15. Closing



INTRODUCTIONS

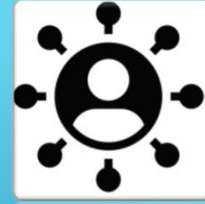


- **Ted Pao**, Technical Lead (LA-RICS & LASD)
- **Scott England**, Technical Lead (LACoFD)
- **Lieutenant Robert Weber**, Operations Lead (LA-RICS & LASD)
- **Melissa Saradpon**, LA-RICS Contract Analyst



POINT OF CONTACT

(Section 2.3 of RFI)



All contacts and communications regarding this RFI or any matter relating thereto must be in writing and mailed or e-mailed to the Authority's point of contact (Authority's RFI Contact) at:

Melissa Saradpon

Phone: 323.881.8289

Email: Melissa.Saradpon@la-rics.org



WHAT IS LA-RICS?

(Section 1.0 of RFI)



A California Joint Powers Authority (JPA) comprised of member agencies throughout the County of Los Angeles region, including the County of Los Angeles and other independent cities and agencies.

- City of Avalon
- City of Azusa
- City of Bell
- City of Cerritos
- City of Claremont
- City of Compton
- County of Los Angeles
 - LASD
 - LACoFD
- City of Covina
- City of Glendora
- City of Hawaiian Gardens
- City of Inglewood
- Inglewood Unified SD
- City of Irwindale
- City of La Puente
- City of La Verne
- City of Lynwood
- City of Maywood
- City of Pasadena
- City of Rancho Palos Verdes
- City of San Fernando
- City of Sierra Madre
- City of Signal Hill
- UCLA
- City of West Covina



WHAT IS LA-RICS?

(Section 1.0 of RFI)



Currently building out a Land Mobile Radio (LMR) System to provide interoperable public safety communications to the region.



THE LMR SYSTEM

(Section 1.0 of RFI)



1

The Digital Trunked Voice Radio Subsystem (DTVRS) utilizes both UHF T-Band and 700MHz spectrum to provide an APCO Project 25 (P25) Phase 1 and Phase 2 compliant interoperable public safety communications to the Los Angeles County region.

2

Analog Conventional Voice Radio Subsystem (ACVRS) channels are separated into simulcast cells for analog operations throughout LA County: Countywide, North County, South County, West County, and East County.

3

Los Angeles Regional Tactical Communications System (LARTCS) include four (4) analog Countywide mutual aid radio bands, two (2) channels on Low Band, five (5) channels on VHF, five (5) channels on UHF, and five (5) channels on 800Mhz band.

4

Narrowband Mobile Data Network (NMDN) include twenty-two (22) UHF 22Kb radio channels that provide low speed data for CAD operations to vehicles in cellular dead spots or where cellular services are down.

5

LMR System will consist of fifty-eight (58) sites across the Los Angeles County region. While the RFI is focusing on P25 operations, Respondents are welcome to highlight their Radios should they work on the other LA-RICS Subsystems.



RFI OBJECTIVE

(Section 1.2 of RFI)



Understand the capabilities of the current telecommunications market for handheld portable radios (Radios) and supporting ecosystems.



Ensure safe compatibility and operating capability on the LMR System infrastructure utilizing features currently installed and used by the Authority.



RFI OBJECTIVE

(Section 1.2 of RFI)



Authority will share list of tested and approved Radios for use on the LMR System with Member Agencies.

Member Agencies can decide which LA-RICS compatible Radios best suit their communications needs.



RFI SCHEDULE OF EVENTS

(Section 2.2 of RFI)



RFI Issuance – April 17, 2023



RFI Conference – May 17, 2023



Last Day to Submit Questions – May 22, 2023, 5:00 pm
(for the initial RFI response submission)



Initial RFI Responses Due – June 12, 2023, 5:00 pm
(RFI will remain open on a continuous basis until Authority deems it appropriate to close)



RFI RESPONSE FORMAT

(Section 3.1 of RFI)

• 1. **Cover Page** (Section 3.2)

• 2. **Corporate Overview / Executive Summary** (Section 3.3)

• 3. **Exhibits** (Sections 3.4 and 3.5)

- Exhibit A (Portable Radio Requirements Matrix)
- Exhibit B (Portable Radio Testing Criteria) – Information Only

• 4. **Other Respondent Information** (Section 3.7)

• 5. **Portable Radios Required for Testing** (Section 3.6)



EXHIBIT A (Section 3.4 of RFI)

PORTABLE RADIO REQUIREMENTS MATRIX



- Respond to each line item on the matrix.
- Respondents need to submit a separate matrix for **EACH PORTABLE RADIO MODEL** it is submitting in response to the RFI.
- Two (2) versions of the matrix are available: PDF (included in RFI) and a separate writable Word version.
- Each matrix shall be provided in a separate electronic file (one each in PDF and Word versions). Each file shall include the following in its title:
 - LA-RICS Portable Radio RFI Exhibit A (Portable Radio Requirements Matrix) Response
 - Respondent’s Organization Name
 - Radio Name and Model Number



EXHIBIT A (Section 3.4 of RFI)

PORTABLE RADIO REQUIREMENTS MATRIX

PORTABLE RADIO REQUIREMENTS MATRIX				
ITEM	DESCRIPTION	MANDATORY <small>(if indicated)</small>	COMPLY "YES" OR "NO"	RESPONSE
A. GENERAL REQUIREMENTS				
A.1	Respondent acknowledges the LA-RICS LMR System is an APCO Project 25 (P25) Phase 1 and Phase 2 compliant system that uses a Motorola Astro P25 Multi Zone Simulcast System 7.18. In addition, LA-RICS LMR System uses an Analog Voice Simulcast Radio System LMR for mutual aid and analog communications.			
A.2	Respondent who wishes to submit radios pursuant to this RFI has not been: <ul style="list-style-type: none"> a. Debarred within the last five (5) years by any public agency in the United States; b. Barred at any time, for reasons of national security, by any agency of the federal government, from bidding on a contract, participating in an auction for frequencies, or receiving a grant; or c. Identified at any time, as a security threat, or potential security threat, to the United States, by any agency in the federal government or any committee or subcommittee of Congress. 	Mandatory		
A.3	All equipment being tested must be fully compatible and capable of operating on LMR System infrastructure as identified in this RFI.	Mandatory		

- **MANDATORY** – Authority determined requirement as a mandatory minimum requirement.
- **COMPLY** – Respondents shall indicate "yes" or "no" if Radio complies with a requirement, in particular, Mandatory requirements.
- **RESPONSE** – Respondents can expand on their "yes" or "no" response. Also, indicate "Not Applicable" where appropriate.



EXHIBIT A (Section 3.4 of RFI)

PORTABLE RADIO REQUIREMENTS MATRIX

PORTABLE RADIO REQUIREMENTS MATRIX CATEGORIES

A. General Requirements	B. Hardware Requirements	C. Ergonomics	D. Transmission + Reception	E. Audio Specifications
F. User Interface	G. Encryption	H. Software	I. Programming	J. Text Messaging Service
K. GPS Specifications	L. Analog Signaling Format	M. Batteries	N. Required Accessories	O. Warranty



EXHIBIT B (Section 3.5 of RFI)

PORTABLE RADIO TESTING CRITERIA



- Sets forth the criteria and methodology the Authority will use to test the Radios Respondents submit in response to the RFI.
- Exhibit B (Portable Radio Testing Criteria) informs Respondents how the Authority will test Radios for safe compatibility on the LMR System.
- No action required in RFI response submission. Exhibit B is informational only.



EXHIBIT B (Section 3.5 of RFI)

PORTABLE RADIO TESTING CRITERIA

PORTABLE RADIO TESTING CRITERIA		
ITEM	DESCRIPTION	TEST METHOD
B.4	Identify if the Radio is a sealed internal housing, allowing it to retain its immersion and/or water-resistant rating when the outer housing is cracked or otherwise compromised.	Inspection
B.5	Identify if the Radio display has high resistance to scratching and impact.	Demonstration
B.6	Identify if Radio displays are clearly legible when viewed from multiple angles.	Inspection
B.7	Identify if the Radio has a display with multi-color backlighting on its front face.	Inspection
B.8	Identify if display panels comply with all terms of Sections C (ERGONOMICS), and F (USER INTERFACE) of Exhibit A, contained herein.	Inspection
B.9	Identify if the Radio has an integrated GPS option and/or any external GPS attachments. The GPS antenna definition must show if it is internal or external to the Radio. If Radio has GPS, the Respondent must demonstrate how it transmits GPS location data via P25 conventional and/or digital trunking-enabled communications systems. If the Radio has GPS, the Radio must demonstrate how it operates within regards to Section K (GPS SPECIFICATIONS) of this Exhibit A, contained herein.	Inspection / Testing / Analysis
B.10	Identify if the Radio has an integrated Bluetooth transceiver option within its internal hardware. If so, the Respondent must provide the Bluetooth transceiver information to include use near-field out-of-band pairing for secure operation and transfer of security keys.	Inspection / Demonstration / Analysis
B.11	If the Radio has an integrated Bluetooth, the Respondent must demonstrate how the Radio automatically and quickly it connects to the Bluetooth accessories, without a requirement for menu navigation, once initial setup is completed.	Demonstration
B.12	Identify if the Radio is equipped with a tri-axis accelerometer option, the Respondent must demonstrate if the sensor can be enabled or disabled through software the Respondent. The demonstration must include integrated support for "Man Down" functionality. "Man Down" must demonstrate if it's capable of triggering emergency notification and sending user ID and GPS location over the air to the LA-RICS LMR System.	Demonstration

Testing methods are as follows:

- Compliance Certificate Inspection
- Demonstration
- Demonstration Analysis
- Inspection
- Testing / Analysis
- Respondent Declaration
- Information Only



PORTABLE RADIOS (Section 3.6 of RFI)

REQUIRED FOR TESTING

- Provide, at no cost, to the Authority TWO fully functional and compliant samples PER RADIO MODEL.
- Radios should be accompanied with all required cables, accessories, and software to allow programming and testing, all on a gratis basis, WITH YOUR RFI RESPONSE.
- Provide a shipping tag with the Radios for the Authority to utilize when returning Radios back to Respondents.
- Authority is not liable or responsible for reimbursement of any costs for damaged equipment or any costs related to Respondent presentations, demonstrations, and/or functionality demonstrations to test the Radios.



RFI RESPONSE SUBMISSION

(Section 3.8 of RFI)

RFI Responses shall include the following:

- One (1) original printed response,
- One (1) printed response copy,
- One (1) electronic version in both Microsoft Word and Adobe PDF formats on a Universal Serial Bus (USB) drive, **AND**
- Sample Radios – Two (2) Radios per model

The RFI Response should be delivered to the following:

LA-RICS Project
2525 Corporate Place, Suite 100
Monterey Park, CA 91754
Attention: Melissa Saradpon
RFI No. LA-RICS 018



PRESENTATIONS + DEMONSTRATIONS

(Section 3.6 of RFI)

- Authority may, at its sole discretion, invite Respondents to provide a non-competitive presentation, demonstration, functionality demonstration, and/or testing component for information gathering purposes only.
- Administered by Authority and/or its partners (Authority personnel, LASD, LACoFD, LA County Internal Services Department, etc.)
- Authority will coordinate with Respondents, should the need exist, based on number of Radio models submitted.
- Respondents should have their technical teams available to participate in presentation/demonstration.



REMINDERS



It is in all Respondents' best interests to read the RFI in its entirety. This presentation does not, in any way, replace Respondents' need to read and understand the RFI in its entirety.



RFI is solely for informational and planning purposes. There is no commitment of future solicitations or contracts. Authority reserves its rights to use the information from RFI responses to develop future solicitations.



QUESTIONS + ANSWERS

- Type questions in the meeting chat if you are joining via the Teams platform.
- If you are calling into the conference, please ask your questions verbally.
- If you have a question after the end of this conference, please submit any question(s) via email to the RFI Point of Contact.
- **Final day to submit questions** (for the initial RFI response) **deadline is May 22, 2023, at 5:00 p.m. PST**
- Your question(s) will be addressed via issuance of an addendum which will be posted on County of Los Angeles Bid Posting website, www.la-rics.org, and will be distributed to Respondents that participate in this RFI conference.



CLOSING

REMINDERS

- Be sure to sign-in via hardcopy (in-person) or via Microsoft Teams chat. This will ensure any new or updated information is received in a timely manner.
- Last day to submit questions for initial RFI response – 05/22/2023, 5:00 pm PST.
- Initial RFI response submission date – 06/12/2023, 5:00 pm PST.
- Any contact or communication (mailed/emailed) to RFI Point of Contact.
- Submit two (2) Radio samples per Radio model.
- Authority makes no commitment of a future solicitation and/or contract.
- RFI will remain open on a continuous basis until the Authority deems it appropriate to close.

Thank you for attending the conference.

