



AGENDA

LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

JOINT OPERATIONS AND TECHNICAL COMMITTEE MEETING

Tuesday, July 16, 2019 • 1:30 p.m.
LA-RICS Headquarters – Large Conference Room
2525 Corporate Place, Suite 200, Monterey Park, CA 91754

Los Angeles Regional Interoperable Communications System Authority (the “Authority”)

AGENDA POSTED: July 11, 2019

Complete agendas are made available for review at the designated meeting location. Supporting documentation is available at the LA-RICS Office located at 2525 Corporate Place, Suite 200, Monterey Park, CA 91754 during normal business hours and may also be accessible on the Authority’s website at <http://www.la-rics.org>.

OPERATIONS COMMITTEE

Members:

1. **John Geiger**, Los Angeles County, CEO
2. **Kyle Zuniga, Chair**, County of Los Angeles Fire Dept.
3. **Hiroshi Yokoyama, Vice-Chair**, L.A. County Sheriff’s Dept.
4. **Cathy Chidester**, Los Angeles County DHS
5. **Chris Donovan**, Los Angeles Area Fire Chiefs Association
6. **Anthony Vairo**, L.A. County Police Chiefs Association
7. **Vacant**, CA Contract Cities Assoc.
8. **Jeff LaGreek**, Inglewood Police Dept.
9. **Ron Sagmit**, Signal Hill Police Dept.
10. **John Curley**, Covina Police Dept.

Alternates:

Mike Iwanaga, Los Angeles County, CEO
Tony Ramirez, County of Los Angeles Fire Dept.
Kevin Unland, L.A. County Sheriff’s Dept.
Kay Fruhwirth, Los Angeles County DHS
Eric Zanteson, Los Angeles Area Fire Chiefs Association
Shelly Vander Veen, L.A. County Police Chiefs Association
Vacant, CA Contract Cities Assoc.
Paul Devlin, Inglewood Police Dept.
Nick Davenport, Signal Hill Police Dept.
Ric Walczak, Covina Police Dept.

TECHNICAL COMMITTEE

Members:

1. **John Geiger**, Los Angeles County, CEO
2. **Scott England, Vice-Chair**, County of Los Angeles Fire Dept.
3. **Hiroshi Yokoyama**, Los Angeles County Sheriff’s Dept.
4. **Jeffrey Morgan**, Los Angeles County DHS
5. **James Craig**, Manhattan Beach Fire Dept.
6. **Ted Pao, Chair**, Los Angeles County Internal Services Dept.
7. **Vacant**, CA Contract Cities Assoc.
8. **Jeff LaGreek**, Inglewood Police Dept.
9. **Ron Sagmit**, Signal Hill Police Dept.
10. **John Curley**, Covina Police Dept.

Alternates:

Mike Iwanaga, Los Angeles County, CEO
Hugo Ballesteros, County of Los Angeles Fire Dept.
Kevin, Unland, Los Angeles County Sheriff’s Dept.
Kim Buard, Los Angeles County DHS
Eric Zanteson, Los Angeles Area Fire Chiefs Association
Nancy Yang, Los Angeles County Internal Services Dept.
Vacant, CA Contract Cities Assoc.
Paul Devlin, Inglewood Police Dept.
Nick Davenport, Signal Hill Police Dept.
Ric Walczak, Covina Police Dept.

Officers:

Scott D. Edson, Executive Director
Joann Huerta, Committees Secretary



NOTE: ACTION MAY BE TAKEN ON ANY ITEM IDENTIFIED ON THE AGENDA

I. CALL TO ORDER

II. ANNOUNCE QUORUM – Roll Call

III. APPROVAL OF MINUTES (A)

A. May 21, 2019 – Regular Meeting Minutes

IV. PUBLIC COMMENTS

V. CONSENT CALENDAR – NONE

VI. REPORTS (B-C)

B. Status Report Update for
a. LTE Round 1 Transition - Televate
b. LTE Round 2 Deployment - Jacobs

C. Status Report Update for LMR - Jacobs

VII. DISCUSSION ITEMS (D-F)

D. Spectrum Use and Roaming Agreements

Agenda Item D

E. Encryption of Digital Trunked Voice Radio System

Agenda Item E

F. Cache Radio Subscriptions

Agenda Item F

VIII. ADMINISTRATIVE MATTER – NONE

IX. MISCELLANEOUS – NONE



X. ITEMS FOR FUTURE DISCUSSION AND/OR ACTION BY THE COMMITTEE

XI. CLOSED SESSION REPORT – NONE

XII. ADJOURNMENT AND NEXT MEETING:

Tuesday, September 17, 2019, at 1:30 p.m., LA-RICS Headquarters, 2525 Corporate Place, Suite 200, Large Conference Room, Monterey Park, California 91754.



COMMITTEE MEETING INFORMATION

Members of the public are invited to address the LA-RICS Committee on any item on the agenda prior to action by the Committee on that specific item. Members of the public may also address the Committee on any matter within the subject matter jurisdiction of the Committee. The Committee will entertain such comments during the Public Comment period. Public Comment will be limited to three (3) minutes per individual for each item addressed, unless there are more than ten (10) comment cards for each item, in which case the Public Comment will be limited to one (1) minute per individual. The aforementioned limitation may be waived by the Committee's Chair.

(NOTE: Pursuant to Government Code Section 54954.3(b) the legislative body of a local agency may adopt reasonable regulations, including, but not limited to, regulations limiting the total amount of time allocated for public testimony on particular issues and for each individual speaker.)

Members of the public who wish to address the Committee are urged to complete a Speaker Card and submit it to the Committee Secretary prior to commencement of the public meeting. The cards are available in the meeting room. However, should a member of the public feel the need to address a matter while the meeting is in progress, a card may be submitted to the Committee Secretary prior to final consideration of the matter.

It is requested that individuals who require the services of a translator contact the Committee Secretary no later than the day preceding the meeting. Whenever possible, a translator will be provided. Sign language interpreters, assistive listening devices, or other auxiliary aids and/or services may be provided upon request. To ensure availability, you are advised to make your request at least 72 hours prior to the meeting you wish to attend. (323) 881-8291 or (323) 881-8295

SI REQUIERE SERVICIOS DE TRADUCCION, FAVOR DE NOTIFICAR LA OFICINA CON 72 HORAS POR ANTICIPADO.

The meeting is recorded, and the recording is kept for 30 days.



JOINT OPERATIONS AND TECHNICAL COMMITTEE MEETING MINUTES

LOS ANGELES REGIONAL INTEROPERABLE
COMMUNICATIONS SYSTEM AUTHORITY

Tuesday, May 21, 2019 • 1:30 p.m.
LA-RICS Headquarters – Large Conference Room
2525 Corporate Place, Suite 200, Monterey Park, CA 91754

Operations Committee Members Present:

John Geiger, Los Angeles County, CEO
Frank Garrido, Captain, County of Los Angeles, Fire Department
Hiroshi Yokoyama, Vice-Chair, Lieutenant, Los Angeles County Sheriff's Department
Kay Fruhwirth, Los Angeles County DHS
Jeff LaGreek, Inglewood Police Department
Ric Walczak, Lieutenant, Covina Police Department

Technical Committee Members Present:

John Geiger, Los Angeles County, CEO
Scott England, Vice-Chair, Telecommunications Engineer Command and Control, LACoFD
Information Officer, EMS Agency, County of LADHS
Hiroshi Yokoyama, Lieutenant, Los Angeles County Sheriff's Department
Jeffrey Morgan, Los Angeles County DHS
Ted Pao, Chair, Information Technology Specialist, Los Angeles County Internal Services Department
Jeff LaGreek, Inglewood Police Department
Ric Walczak, Lieutenant, Covina Police Department

Absent:

Chris Donovan, Fire Chief, Los Angeles Area Fire Chiefs Association
Anthony Vairo, Los Angeles County Police Chiefs Association
James Craig, Manhattan Beach Fire Department
Ron Sagmit, Signal Hill Police Department

Officers Present:

Joann Huerta, LA-RICS Committee Secretary



NOTE: ACTION MAY BE TAKEN ON ANY ITEM IDENTIFIED ON THE AGENDA

I. CALL TO ORDER

Operations Committee Vice-Chair Hiroshi Yokoyama called the meeting to order at 1:35 p.m.

II. ANNOUNCE QUORUM – Roll Call

Operations Committee Vice-Chair Yokoyama asked for a roll call and acknowledged a quorum was present for Joint Operations and Technical committee.

APPROVAL OF MINUTES (A)

A. March 19, 2019 – Regular Meeting Minutes

Operations Committee Vice-Chair Yokoyama asked for a motion to approve the minutes. Operations and Technical Committee (Joint Committees) Member John Geiger had an amendment to the minutes presented. Member Geiger moved to approve first, seconded by Member Ric Walczak.

Ayes 9: Geiger, Garrido, Hiroshi, Kay Fruhwirth, LaGreek, Walczak, England, Morgan, and Pao

III. PUBLIC COMMENTS – (NONE)

IV. CONSENT CALENDAR – (NONE)

V. REPORTS (B-C)

B. Status Report Update for LTE – Steve Sidore

Steve Sidore, a consultant with Televate provided an update on the Long Term Evolution (LTE) Public Safety Broadband Network (PSBN) Round 2.

The PSBN network continues to be transitioned to the First-Net network. As of now, there are 36 sites that have transitioned by July 1, 2019. The Cell On Light Truck (COLT) continue to move towards the Request for Quotation (RFQ) and we are looking at a target date of mid July 2019.

This concluded the Status Report for LTE.

C. Status Report Update for LMR – Deputy Program Manager Tanya Roth



Deputy Program Manager Roth provided an update on which sites are in construction and those active, planned, with corresponding details supporting the construction-related activities occurring at these sites to date.

LMR – Major focus is all thing Construction

- Entails digging in with our partners at CEO RED and DPW to map out expedited paths forward to get the remaining sites into Construction
- Commencing and completing Construction tasks in the field

Phase 2 – Seven (7) Active Sites:

- CRN
- OAT
- POM
- AGH
- BKK
- MIR
- INDWT

Phase 4 – Seven (7) Active Sites:

- BMT
- FCCF
- LAN
- LDWP243
- PLM
- POM
- MVS

Upcoming Sites:

- UCLA

Pending BOK Sites 14:

- Catalina 3
- CPK
- 072
- DelValle
- RHT
- RPVT



- SPH
- SPN
- TOP
- UCLA
- UNIV
- WWY

LTE2 – Race to deliver 26 sites to AT&T First-Net

Working with two (2) vendors:

First Vendor: Motorola Solutions, Inc. (MSI) as a Design Build Vendor

- Collocation on 9 USFS LMR tower
- Kick off meeting with MSI earlier this month, designs in process

Second Vendor: DEA Sites contracted to design and permit the balance of 17

- First 13 Sites: Drawing development
- Final 4 Sites: Team is evaluating a pool of 15

For the sites that David Evans and Associates (DEA) is taking through to Building Permit (BP) the construction vendors will be procured through a public bidding process, which entails prequalifying General Contractors (GC) and then releasing bids per site once the drawings are ready. A major milestone achieved by the project team last week was release of the prequalification package, posted to County Website and all of our social media outlets.

This concluded the Deputy Program Manager's Report.

VI. DISCUSSION ITEMS (D-F)

D. Mutual Roaming Access Agreements

Operations Committee Vice-Chair Hiroshi Yokoyama gave an update on the Mutual Roaming Access Agreements and provided the following update:

Operations Committee Vice-Chair Yokoyama stated roaming is not to be confused with a mutual aid agreement, where mutual aid is meant to extend access to non-subscribers during times of emergency.

Roaming extends the coverage of the home Land Mobile Radio (LMR) system, allowing the subscriber seamless extension of coverage between the home LMR system and a visited LMR system.



One way of enabling roaming is through an Inter-RF Subsystem Interface (ISSI). The ISSI is between two Radio Frequency Subsystems (RFSSs), which are the basic elements in the network infrastructure to compose a P25 System.

Examples of roaming are when a Sheriff's prisoner transportation bus travels up the I-5 through the state to deliver or pickup prisoners between Los Angeles County and State Prisons.

Another example could be when State Parole from Bakersfield is working in the Los Angeles area.

An RFSS can have at least one of two functional roles (home or serving). When an RFSS functions as a serving RFSS, it means that the RFSS is serving a subscriber unit (SU) or a group. When an RFSS functions as a home RFSS, it means that the RFSS is responsible for tracking the SU's movement or is home for the group. These functional roles are expanded to include whether the home RFSS or serving RFSS is either the calling or called for SU-to-SU voice calls.

A roaming agreement would need to address the technical components required to enable the service, which is the reason for this discussion. I would like this discussion to include the technical components from our Technical Committee members, such as Mobility Management, Call Control, and Transmission Control.

Discussion relating to the roaming agreement took place among committee members. They concluded that a draft agreement will need to include the technical requirements to enable roaming. Operations Committee Vice-Chair Yokoyama questioned what the necessary technical requirements are for a functioning roaming agreement, in order to not over tax a digital trunk system. Technical Vice-Chair Scott England stated that an analysis was looked into and they are ready to bring it up to California Statewide Interoperability Executive Committee (CalSIEC). In addition, we can send out the analysis to the Joint Committee Members.

This concludes the Mutual Roaming Access Agreements discussion item.

E. Encryption of Digital Trunked Radio System Talk Groups

Operations Committee Vice-Chair Yokoyama stated that he surveyed some LMR systems in southern California region and found both Orange County and Riverside County are 100% encrypted.

San Diego County Sheriff's Department (SDSD) leaves the decision to encrypt to the respective agencies. Los Angeles County Fire Department (LACoFD) agencies are all in the clear. SDSD is 40% of their system, and their normal patrol



dispatch talk groups are in the open, but each patrol station has an encrypted tactical talk group. One agency has an option to switch to an encrypted dispatch talk group in case of a call of a sensitive nature. They all have a wants and warrants encrypted talk group to run persons so personal criminal information is not open to the public.

The purpose of this discussion is to garner a recommendation on encryption for LA-RICS.

Discussion relating to Encryption of Digital Trunked Radio System Talk Groups took place among committee members. They concluded more information gathering will be done to address encryption talk groups.

This concludes the Encryption of Digital Trunked Radio System Talk Groups discussion item.

F. Outreach to Coast Guard Investigative Service

Operations Committee Vice-Chair Yokoyama stated on April 11, 2019, Operations Committee Chair Battalion Chief Kyle Zuniga, Deputy Dana Gower and Lt. Yokoyama met with members of the Coast Guard Investigative Service (CGIS) based at Sector Los Angeles/Long Beach. They were very appreciative of the outreach, as their eight-loaner radios had stopped working. We took back the eight (8) loaner APX 7000XE radios to run diagnostics and upgrade firmware.

It was interesting to note the portables could not reach Rolling Hills (RHT) from their office, as it was shadowed by San Pedro Hill (SPH). We noticed that as we got farther away from their offices, we were able to use the radio without much difficulty. LA-RICS will have a site at both SPH and Signal Hill (SGH), which will provide robust coverage for the entire port area, but that will not be until 2021.

The workaround would be to move forward with the ESChat application for the CGIS cell phones, through a "donor radio" setup. A connection with the ESChat servers directly to the LA-RICS core would allow CGIS to use both of their LA-RICS talk groups via the smartphone app at their headquarters.

This concludes the Outreach to Coast Guard Investigative Service discussion item.

Joint Committee Member John Geiger asked if the Committee will be bringing back item VII D. Cache Radio Subscriptions on a regular discussion for status and progress and if not I would make that request.



- VII. ADMINISTRATIVE MATTERS (NONE)**
- VIII. MISCELLANEOUS – (NONE)**
- IX. ITEMS FOR FUTURE DISCUSSION AND/OR ACTION BY THE COMMITTEE**
- X. CLOSED SESSION REPORT – NONE**
- XI. ADJOURNMENT AND NEXT MEETING:**

Operations Committee Vice-Chair Yokoyama announced adjournment of this meeting at 2:26 p.m., and the next Committee Meeting is on Tuesday, July 16, 2019, at 1:30 p.m., at LA-RICS Headquarters, 2525 Corporate Place, Suite 200, Large Conference Room, Monterey Park, California 91754.



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SCOTT EDSON
EXECUTIVE DIRECTOR

July 16, 2019

To: LA-RICS Joint Operations and Technical Committee Members

From: Scott Edson
Executive Director

A handwritten signature in black ink that reads "Scott Edson".

SPECTRUM USE AND ROAMING AGREEMENTS

The purpose of this item is for Committee Members to continue the discussion on the best practices for establishing policies relating to spectrum use and roaming agreements with non-member agencies, using an ISSI connection.

HY:jh

AGENDA ITEM D



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EXECUTIVE DIRECTOR

July 16, 2019

To: LA-RICS Joint Operations and Technical Committee Members

From: Scott Edson
Executive Director

A handwritten signature in black ink that reads "Scott Edson".

ENCRYPTION OF DIGITAL TRUNKED VOICE RADIO SYSTEM

The purpose of this discussion item is for the Committee Members to continue the discussion regarding encryption of the Digital Trunked Voice Radio System, and how this will be achieved amongst a unified command involving Fire and Law agencies.

HY:jh

AGENDA ITEM E



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July 16, 2019

To: LA-RICS Joint Operations and Technical Committee Members

From: Scott Edson
Executive Director

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CACHE RADIO SUBSCRIPTIONS

The purpose of this item is for Committee Members to continue the discussion on how to treat cache radios as it relates to the draft subscription rates. Items to consider include pros and cons associated with subscriptions charged per position vs. subscriptions charged per user.

HY:jh