



# AGENDA

## LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY (“AUTHORITY”)

### JOINT OPERATIONS AND TECHNICAL REGULAR COMMITTEE MEETING

Tuesday, July 18, 2023 • 1:30 p.m.

LA-RICS Headquarters  
2525 Corporate Place, Suite 200, Large Conference Room  
Monterey Park, CA 91754

**Microsoft Teams Meeting\* Link:** [Click here to join the meeting](#)

**Call-in Number for the Public:**

Public May Submit Public Comment during the meeting to the Joint Committee by accessing the Microsoft Teams Meeting Link or Call-In Number below:

**Telephone Number for the Public:** (323) 886-6924

**Conference ID:** 592 531 528#

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

**AGENDA POSTED: July 13, 2023**

Complete agendas are available on the Authority’s website at <http://www.la-rics.org>.

OPERATIONS COMMITTEE MEMBERS		ALTERNATES	
1.	<b>Leslie Luke</b> , County of Los Angeles Chief Executive Office	1.	<b>Brian Hoffman</b> , County of Los Angeles Chief Executive Office
2.	<b>Dayton Calhoun (Vice-Chair)</b> , County of Los Angeles Fire Department	2.	<b>August Dougherty</b> , County of Los Angeles Fire Department
3.	<b>David Sum (Chair)</b> , County of Los Angeles Sheriff’s Department	3.	<b>Robert J. Weber</b> , County of Los Angeles Sheriff’s Department
4.	<b>Adam Martinez</b> , County of Los Angeles Department of Health Services	4.	<b>Alfred Reyes</b> , County of Los Angeles Department of Health Services
5.	<b>Vincent Capelle</b> , Los Angeles Area Fire Chiefs Association	5.	<b>Phil Ambrose</b> , Los Angeles Area Fire Chiefs Association
6.	<b>Aaron Fate</b> , Los Angeles County Police Chief’s Association	6.	<b>Shannon Robledo</b> , Los Angeles County Police Chief’s Association
7.	<b>Vacant Seat</b> , California Contract Cities Association	7.	<b>Vacant Seat</b> , California Contract Cities Association
8.	<b>David Povero</b> , At-Large Seat #8	8.	<b>Ric Walczak</b> , At-Large Seat #8
9.	<b>Jeff LaGreek</b> , At-Large Seat #9	9.	<b>Paul Devlin</b> , At-Large Seat #9
10.	<b>Vacant Seat</b> , At-Large Seat #10	10.	<b>Vacant Seat</b> , At-Large Seat #10

TECHNICAL COMMITTEE MEMBERS		ALTERNATES	
1.	<b>Leslie Luke</b> , County of Los Angeles Chief Executive Office	1.	<b>Brian Hoffman</b> , County of Los Angeles Chief Executive Office
2.	<b>Scott England (Vice-Chair)</b> , County of Los Angeles Fire Department	2.	<b>August Dougherty</b> , County of Los Angeles Fire Department
3.	<b>David Sum</b> , County of Los Angeles Sheriff’s Department	3.	<b>Robert J. Weber</b> , County of Los Angeles Sheriff’s Department
4.	<b>Lipin Tan</b> , County of Los Angeles Department of Health Services	4.	<b>Adam Martinez</b> , County of Los Angeles Department of Health Services
5.	<b>Vincent Capelle</b> , Los Angeles Area Fire Chiefs Association	5.	<b>Phil Ambrose</b> , Los Angeles Area Fire Chiefs Association
6.	<b>Ted Pao (Chair)</b> , County of Los Angeles Sheriff’s Department	6.	<b>Nancy Yang</b> , County of Los Angeles Internal Services Department
7.	<b>Vacant Seat</b> , California Contract Cities Association	7.	<b>Vacant Seat</b> , California Contract Cities Association
8.	<b>David Povero</b> , At-Large Seat #8	8.	<b>Ric Walczak</b> , At-Large Seat #8
9.	<b>Jeff LaGreek</b> , At-Large Seat #9	9.	<b>Paul Devlin</b> , At-Large Seat #9
10.	<b>Vacant Seat</b> , At-Large Seat #10	10.	<b>Vacant Seat</b> , At-Large Seat #10

OFFICERS
<b>Scott D. Edson</b> , LA-RICS Executive Director
<b>Beatriz Cojulun</b> , LA-RICS Committee 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 – C)**

A. March 21, 2023– Regular Meeting Minutes

Agenda Item A

B. May 2, 2023 – Special Meeting Minutes

Agenda Item B

C. June 20, 2023 – Regular Meeting Minutes

Agenda Item C

**IV. PUBLIC COMMENTS**

**V. CONSENT CALENDAR – NONE**

**VI. REPORTS (D – F)**

D. Land Mobile Radio Update – Brian Smyth

Agenda Item D

E. Regional Interoperability Update – Ted Pao

Agenda Item E

F. LMR Network Operation Status and Issues – Ted Pao

Agenda Item F

**VII. DISCUSSION ITEMS – (G – H)**

G. Review of Bobcat Fire Communications Issues – Operation Vice-Chair Chief  
Dayton Calhoun

Agenda Item G



- H. LAW/FIRE Unified Command Scenarios - Operation Vice-Chair Chief Dayton Calhoun

Agenda Item H

**VIII. ADMINISTRATIVE MATTERS – NONE**

**IX. MISCELLANEOUS**

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

**XI. CLOSED SESSION REPORT – NONE**

**XII. ADJOURNMENT AND NEXT MEETING**

Joint Operations and Technical Regular Committee Meeting on Tuesday, August 15, 2023, 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 participate in the Teleconference/WebEx meeting via the phone number provided above, and 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) requests 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.)*

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 as soon as possible. (323) 881-8291 or (323) 881-8295

SI REQUIERE SERVICIOS DE TRADUCCION, FAVOR DE NOTIFICAR LA OFICINA LO MAS PRONTO POSIBLE.

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, March 21, 2023 • 1:30 p.m.

<b>OPERATIONS COMMITTEE MEMBERS PRESENT:</b>
<b>Leslie Luke</b> , County of Los Angeles, Chief Executive Office, Office of Emergency Management
<b>Dayton Calhoun</b> , County of Los Angeles Fire Department
<b>Adam Martinez</b> , County of Los Angeles Department of Health Services
<b>Aaron Fate</b> , Los Angeles County Police Chiefs Association
<b>Jeff LaGree</b> , At-Large Seat #9
<b>OPERATIONS ALTERNATE COMMITTEE MEMBERS PRESENT:</b>
<b>Robert Weber</b> , Chair, County of Los Angeles Sheriff's Department
<b>Ric Walczak</b> , At-Large Seat #8
<b>OPERATION COMMITTEE MEMBERS ABSENT/VACANT:</b>
<b>Vacant</b> , Los Angeles Area Fire Chiefs Association
<b>Vacant</b> , California Contract Cities Association
<b>Vacant</b> , At-Large Seat #10

<b>TECHNICAL COMMITTEE MEMBERS PRESENT:</b>
<b>Leslie Luke</b> , County of Los Angeles, Chief Executive Office
<b>Scott England</b> , Vice-Chair, County of Los Angeles Fire Department
<b>Lipin Tan</b> , County of Los Angeles Department of Health Services
<b>Ted Pao</b> , Chair, Los Angeles County Internal Services Department
<b>Jeff LaGree</b> , At-Large Seat #9
<b>TECHNICAL ALTERNATE COMMITTEE MEMBERS PRESENT:</b>
<b>Robert Weber</b> , County of Los Angeles Sheriff's Department
<b>Ric Walczak</b> , At-Large Seat #8
<b>TECHNICAL COMMITTEE MEMBERS ABSENT/VACANT:</b>
<b>Vacant</b> , Los Angeles Area Fire Chiefs Association
<b>Vacant</b> , California Contract Cities Association
<b>Vacant</b> , At-Large Seat #10

<b>OFFICERS PRESENT:</b>
Scott Edson, LA-RICS Executive Director
Beatriz Cojulun, LA-RICS Committee Secretary



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

**I. CALL TO ORDER**

Operations Committee Chair Lieutenant Robert Weber called the meeting to order at 1:32 p.m.

**II. ANNOUNCE QUORUM – ROLL CALL**

Beatriz Cojulun acknowledged a quorum was present for both Joint Operations and Technical Committees (Joint Committees).

**III. APPROVAL OF MINUTES (A)**

**A. September 20, 2022 – Regular Meeting Minutes**

Operations Lead Weber asked the Committees for approval of the minutes.

Technical Committee Chair Ted Pao motioned first, seconded by Operations Member Dayton Calhoun.

Operations Committee

Ayes 6: Luke, Calhoun, Weber, Martinez, Fate, and Walczak.

Technical Committee

Ayes 6: Luke, England, Weber, Tan, Pao, and Walczak.

**MOTION APPROVED.**

**IV. PUBLIC COMMENTS – NONE**

There was no public comment.

**V. CONSENT CALENDAR – NONE**

There were no Consent Calendar items.

**VI. REPORTS (B – E)**

**B. Land Mobile Radio System Update – Riad EIMasri**

Deputy Program Manager, Riad EIMasri presented Agenda item B the Land Mobile Radio (LMR) System Update.



### March Successes

Deputy Program Manager EIMasri reported the Authority is currently tracking work progress of the approved Integrated Master Schedule (IMS), which was accepted as of February 7, 2023, Data Date (DD). Deputy Program Manager EIMasri further reported that Phase 2 and Phase 4 construction activities have been completed.

Deputy Program Manager EIMasri reported that Motorola Solutions, Inc. (MSI) continues to make corrections on the Microwave mounts and building envelope corrections on the shelters.

Deputy Program Manager EIMasri further reported the Narrowband Mobile Data Network 1 (NMDN 1) cutover for live use and the bridge warranty is in place.

Deputy Program Manager EIMasri said the South and West Cell drive testing for data collection has been completed.

Deputy Program Manager EIMasri stated the overall as-built composite maps for the entire Digital Trunked Voice Radio Systems (DTVRS) were submitted by MSI earlier this month.

Deputy Program Manager EIMasri shared the County of Los Angeles (County) Sheriff's Department (LASD) patrol station cutover and testing is tracking on time.

Deputy Program Manager Riad EIMasri stated that the DTVRS cutover was scheduled to start on March 16, 2023. However, Deputy Program Manager EIMasri, detailed the Mount McDill (MMC) site went down due to a large block of ice that fell on the ice bridge due to poor design and took down the site. Deputy Program Manager EIMasri detailed the block of ice, which stretched the coaxial cables and disconnected the equipment connectors, which the team is working on a plan with MSI to get the site back online. Deputy Program Manager EIMasri shared that MSI reported that it will not cutover until the site is back online following repairs.

Deputy Program Manager Riad EIMasri further stated that in an effort to overcome the County of Los Angeles Regional Tactical Communications System (LARTCS) and Analog Conventional Voice Radio Subsystem (ACVRS) schedule compression caused by lack of site access due to the storms, the MSI team identified some ACVRS channels that could be enabled earlier than expected, which can be utilized for acceptance testing.

Deputy Program Manager EIMasri stated that Low Band Testing and Audio Capture (ACAP) activities started on Wednesday March 15, 2023, and will continue until the end of April.



### March Challenges

Deputy Program Manager EIMasri reported that interference mitigation efforts have been completed, and it is anticipated that interference will be minimized to a level that will not adversely affect DTVRS or UHF performance. However, Deputy Program Manager EIMasri went on to say the late February 2023 blizzard left three (3) sites, Hauser Peak (HPK), Magic Mountain Link (MML), and MMC without commercial power for at least twenty (20) days and took one site down MMC along with damaging access roads to at least ten (10) sites.

Deputy Program Manager EIMasri said that with the exception of Whitaker Middle Peak (WMP), the Authority was able to get access to all the damaged road sites. Deputy Program Manager EIMasri stated WMP is on the critical path and the Authority is working with LASD and United States Forest Services (USFS) to obtain access to the site by ground or by air.

### Phase 2 Substantially Complete

Deputy Program Manager EIMasri stated that all fifty-eight (58) sites are substantially complete in Phase 2 and on air.

### Still to Come

Deputy Program Manager EIMasri mentioned the DTVRS system cutover was scheduled for March 16, 2023, but was postponed until the MMC site goes back online.

Deputy Program Manager EIMasri stated there are three (3) teams working on the analog testing, two (2) in the Low Band drive testing, as well as two (2) others in the dispatch and two (2) more people in the ACAP testing which started on March 15, 2023.

Deputy Program Manager EIMasri stated Closeout Books (COBs) are still a work in progress with issues still with MSI but are going through it slowly but steadily.

Deputy Program Manager EIMasri expressed that assistance continues with the Pre-Onboarding agencies.

This concluded the report on Agenda Item B presented by Deputy Program Manager EIMasri. There was no further discussion.





**C. Regional ISSI Interoperability Working Group Update – Scott England**

Technical Alternate Lead Scott England said the Inter Subsystem Interface (ISSI) is the interface that connects the P25 systems from different agencies to each other. Alternate Technical Lead England shared the Authority currently has only one (1) connection up and going up between the Authority and Interagency Communications Interoperability (ICI). Alternate Technical Lead England mentioned the Authority has a connection port available for the Port of Los Angeles (POLA), which is working with MSI to get their Port up and going, as well as configured. Alternate Technical Lead England shared the team is just waiting for MSI to reach out to the Authority on the technical side. Alternate Technical Lead England concluded his report by saying the Authority have received other quotes from MSI for other portions and expansion on the ISSI.

This concluded the report on Agenda Item C presented by Alternate Technical Lead England.

There was no further discussion.

**D. Spectrum and Licensing Issues Impacting Land Mobile Radio Deployment Update – Technical Lead Ted Pao**

Technical Lead Pao provided a Federal Communications Commission (FCC) license update, the Authority's two (2) pending license applications for the Tejon Peak (TPK) site have made progress after a long stall process. Technical Lead Pao said that one (1) of the licenses was for the Narrowband Mobile Data Network (NMDM) and the other license is for the Analog Conventional Voice Radio System (ACVRS).

Technical Lead Pao continued by saying the FCC put the item on their Agenda for public comment for a Notice of Proposed Rule Making with public comments due date of January 17, 2023. Technical Lead Pao said one (1) set of comments in support was received on January 17, 2023, with no reply comments in opposition. Technical Lead Pao further mentioned the public comment period was closed, with the matter under submission with the FCC. Technical Lead Pao said the Authority expects the notice in April or May 2023, with hopes of a positive ruling outcome.

This concluded the report on Agenda Item D presented by Technical Lead Pao. There was no further discussion.



**E. County of Los Angeles Fire Department, NMDM Subsystem Cutover Update  
– Alternate Technical Lead England**

Technical Lead Alternate Lead England shared that Narrowband Mobil Data Network (NMDN) is used by the County of Los Angeles Fire Department (LACoFD) to supplement and augment the cellular services. Technical Alternate Lead England said typically when LACoFD has fires they lose the cellular service while driving in wildlife areas. Alternate Technical Lead England further stated that LACoFD does not have that kind of coverage and depends on NMDN as one of the primary alerting dispatch systems. Alternate Technical Lead England said LACoFD cut over to the new LA-RICS system, which has been working really well. Technical Alternate Lead England reported that today is a very challenging day due to the weather, with a site being down, and the system is still resilient with coverage from multiple different sites. Alternate Technical Lead England further reported that all of the fire stations and all of the vehicles are up and going and there is minimal impact to the actual operations. Alternate Technical Lead England said that LACoFD has been working with their internal services, as well as with the MSI groups for maintenance and sustainment. Technical Alternate Lead England stated the process for communicating the calls with all the back and forth with the different agencies has been working really well. Alternate Technical Lead England said LACoFD has been happy and looks forward to the Phase 2 cutover which is the second layer of sites. Alternate Technical Lead England asked if there were any questions.

Technical Alternate Lead England further mentioned that data systems are open and available. Alternate Technical Lead England shared that what is now being done is a standardized interface, which the LACoFD is able to communicate that with CAL FIRE. Alternate Technical Lead England stated that LACoFD used the standardized interface to transmit all of the Automotive Vehicle Location (AVL) information to CAL FIRE which they are able to send their information over to LACoFD and are able to see every Agency on its AVL and Mobile Data Computer (MDC) systems via that standardized interface. Alternate Technical Lead England believes it is revolutionary to LACoFD. Alternate Technical Lead England said the LACoFD was able to filter them by incidents, agencies, and by actual Memorandum of Understanding (MOUs). Alternate Technical Lead England concludes his report by saying that those agencies are also creating Method of Procedure (MOP) of all the different agencies and expressed excitement in being able to take it to the next step.

There was no further discussion.



## VII. DISCUSSION ITEMS – (F)

### F. LA-RICS System Management and Site Access Profile Management – Operations Lead Lt. Weber and Technical Lead Pao

#### Site Access Management

Technical Lead Pao stated that on the P25 trunking system, Digital Trunk Voice Radio Subsystem (DTVRS) the Authority has a number of sites to cover the County of Los Angeles. Technical Lead Pao explained that because the County being so large and with the challenging topography, the sites are grouped by what is called a “simulcast cell”. Technical Lead Pao said that for example the Los Angeles basin being flat and then the Angeles National Forest including the Antelope Valley area, which results in them being broken into many simulcast cells.

Technical Lead Pao stated that in the management of Talkgroups for a trunk system, it is preferred to have the Talkgroup service area, for instance the local Police Department (PD) or a local Station operate within an area of one (1), two (2), or three (3) simulcast cells. Technical Lead Pao further stated that it would allow other cells to support other agencies elsewhere. Technical Lead Pao said if we provision a Talkgroup to talk a “so called” System-wide or Countywide that would light up all cells. Technical Lead Pao continued by saying that it could potentially start running into resource congestion. Technical Lead Pao went on to say that end-users could be affected and would experience a bonk tone when trying to talk due to another group talking, who may be lighting up all sites Countywide. Technical Lead Pao went on to explain that it would take a resource from every single site. Technical Lead Pao mentioned that instead, by limiting that particular Talkgroup to a service area, it is possible to free up other cells and allow other agencies to operate and talk.

Technical Lead Pao further said the Authority understands that there are a lot of services such as Law Enforcement and LACoFD, that requires Countywide communications, this is where a discussion is needed amongst the group on how to manage resources to possibly allow having local Talkgroups, area Talkgroups, and County Talkgroups, as well as being able to talk Countywide.

#### Operations Management

Operations Lead Lt. Weber commented that from an operational standpoint this is very important because the Authority does not want to shut down the system, the Authority needs to have the system available for the emergency responders who have their feet on the ground. Operations Lead Lt. Weber mentioned that at this point it is not a problem, but it is an issue that could be a problem in the future. Operations Lead Lt. Weber believes this is why the Authority would like to address



the issue and start getting input, as well as coming up with different ways and avenues to address it. Operations Lead Lt. Weber said one way to address this issue is by monitoring the system, then doing the site access as the Authority moves forward. Operations Lead Lt. Weber stated, as the Joint Technical and Operations team, they do not feel that it is the best way to go, there are some other technologies available that can be integrated throughout ISSI and push to talk system, which would allow control and still give the Authority the ability to have Countywide listening ability.

Operations Lead Lt. Weber presented some guests that are SMEs in their fields of expertise here today from the LASD Special Enforcement Bureau (SEB) to give us some examples of situations where they would be responding to something from one side of the County. Operations Lead Lt. Weber provided an example of officers being in one cell, probably in Monterey Park, as they would be responding to something out in Palmdale, and while responding they would be able to listen as well. Operations Lead Lt. Weber introduced the SMEs, Sergeant Edwardo Sanchez, Deputy Andrew Smith (LASD Special Weapons and Tactics [SWAT]), and Lieutenant Santiago Cabrera (SEB).

Deputy Smith said the Special Enforcement Bureau provides tactical expertise to the entire County of Los Angeles and various smaller Agencies. Deputy Smith stated the LASD SEB deals with armed barricade suspects and the most important operations are hostage rescues. Deputy Smith stated that hostage rescues are completely driven by intelligence, e.g., in December 2022, in the outskirts of the City of Lancaster, at 1:30 a.m. a father held his 17-month year old son hostage at gun point, which was a Code 3 (Response is needed). Deputy Smith said that as the call went off, LASD law enforcement all responded from their homes. Deputy Smith said he lives outside the County (he lived in Orange County) and is about one (1) hour and ten (10) minutes away and stated that distance time is vital. Therefore, Deputy Smith said he was able to hear from Deputies and what was happening in the field. Deputy Smith mentioned, being a marksman or a sniper for instance, cannot be learning the intelligence once they land, they need every minute of time and every update possible, and understanding that they may have to intervene once they touch ground. Deputy Smith said he is the fourth (4<sup>th</sup>) man on his team, which is the sole Intel for the entire team once they land. Deputy Smith went on to say as the story develops it is never immediately clear what gets called into the desk, patrol might say this is what is happening, but law enforcement can tell by the tone of voice what is being said, officers can ask questions and modify our responses based on them. Deputy Smith mentioned that at least from their standpoint, officers have to have the ability to listen and communicate to the team on the ground. Deputy Smith concluded his scenario, t which Operations Lead Lt. Weber thanked Deputy Smith.



Technical Lead Pao posed Deputy Smith a question of what if while driving to the particular scene if officers would be monitoring that particular station's working channels.

Deputy Smith responded yes, that as soon as a request is made and the Special Enforcement Bureau (SEB) is activated, the address and the location Command Post (CP) and their working frequency is sent on LASD text. Deputy Smith said that officers immediately switch to handheld or their car radios to that working frequency, so they can hear what is going on with those Deputies. Deputy Smith further stated this is the most important bit of the Intel, it is preferable to hear Intel firsthand than second hand, and the case is being built with precise information. Deputy Smith stated that LASD Scouts, the guys in charge, the Deputies, are at the point where they are directing patrols to do stuff before officers even get there. Deputy Smith said it has got to be two-way, officers need to receive information and they need to give them tactical advice over the radio and one of LASD Scouts lives in Menifee (Riverside County), which is a long drive.

Sgt. Sanchez joined the conversation and added to Operations Lead Lt. Weber's scenario, that at the same time, they always have someone monitoring the radio here in Monterey Park, and constantly scanning. Sgt. Sanchez went on to say that if the officers monitoring the radio hear emergent traffic, they would focus on it and prior to officers making a call to a Lieutenant or a Sergeant. Sgt. Sanchez further said that if there would be Deputies in Lancaster or if they are on an operation in Lancaster, the Lancaster Deputy would get on the radio and state if there is an active shooter currently happening at that moment and would announce their location. Sgt. Sanchez mentioned the need to have the ability to communicate with them from the basin to the Antelope Valley and vice-versa to give direction and critical information.

Technical Lead Pao responded by saying he is familiar with the LASD Radio system and knows that LASD does not operate everywhere in the County and asked how they deal with radio communication. Technical Lead Pao said that for instance, Santa Clarita or Lancaster channels are in north County, Orange County or Menifee are not going to be able to monitor very well.

Sgt. Sanchez stated that when they are on the dispatch frequencies, they are good no matter what, regardless if they are in Palmdale or Lancaster. Sgt. Sanchez said the only instance where the situation was weird was A-TAC-1 Talkgroup. Sgt. Sanchez would be received in Norwalk, but it would be piecemeal in Orange County. Sgt. Sanchez stated it was the only frequency that had a problem with distance, the rest of the LTAC were good, including the Lancaster and Palmdale LTAC Talkgroups. Sgt. Sanchez continued to express that dispatch frequencies were always good, but A-TAC-1, which is the local area tactical Channel in Orange County was a little weird, but they ended up getting it. Sgt. Sanchez mentioned he



would rather have it rollout in ten (10) minutes, which he currently has fifteen (15) minutes of listening to it.

Alternate Technical Lead England commented that dispatch infrastructure is built in the Antelope Valley, it is not built down here. Alternate Technical Lead England mentioned they are listening from afar, on the fringes. Technical Lead Pao responded by saying the Authority has FRP site, which has a pretty big footprint.

Executive Director Edson based his comment on Technical Lead Pao's opening scenario, what he heard was that there are tactical frequencies that are available, but what the Authority looks for how technologies and operations can work this out. Executive Director Edson stated that ideally there is going to be an operational procedure that will come out of this, with the technology adjusted based on that operational procedure. Executive Director Edson clarified the Authority hears the business need for wanting to hear what is taking place as early as possible so the Deputies can start forming in their mind what their strategy would be so when the full team arrives, they can deploy them appropriately and have good intelligence to properly address that situation. Executive Director Edson said he is also hearing they make tactical channels available, and it is not uncommon for the Deputy's team to be listening in on a tactical channel because they have changed out the dispatch and they have gone into an LTAC Talkgroup or an area Area TAC or Tactical channel.

Executive Director Edson asked, if there were an SEB call out situation, for instance, with five (5) Countywide or ten (10) channels available, on an event that is going to be a swap-out callout, it would seem appropriate for that station to operationally then turn over to Countywide Tactical 1. Executive Director Edson continued by saying they would then receive the notification, which they would be told they were operating on Countywide Tactical 1. Executive Director Edson said and as soon as they hit any repeater on any of the Authority's fifty-eight (58) sites that are accessed, they would be able to pick up that particular incident. Executive Director Edson wonders if it is a potential operational solution. Technical Lead Pao said that from a technical point of view, yes.

Executive Director Edson expressed that in that scenario, it was better than having everything on. Executive Director Edson said that it may not fix it, but for instance, if the SEB Desk Deputy is listening to dispatch channels and hears some activity then they go to a L TAC Talkgroup but wants to switch to LTAC Talkgroup to hear what is going on, at this point the Desk Deputy would be able to access that it would be a call-out. Executive Director Edson continued to say that since it is not an official call-out yet, the Deputy is probably alerting the team and he would need the ability to listen to all the stationed dispatches in LTAC Talkgroups for the purposes of being "alert" and to better provide the team with advanced notification as possible. Executive Director Edson believes that it could be done with a scanner



versus a radio, but then again, that brings the discussion into encryption issues. Alternate Technical Lead England brought up the ESChat service.

Executive Director Edson asked SEB if they continue to have ESChat, the ability to Push-to-Talk (PTT) service on the phones to access different radio channels, which they should have on their phones since it was added a few years ago. Executive Director Edson said ESChat is a service the Authority intends to provide at LA-RICS, which means there is a menu with all the dispatch, tactical, and Countywide channels, he said there would be a lot of channels on the phone. Executive Director Edson mentioned theoretically, it is possible to have all of the dispatch channels on the phone. Executive Director Edson provided the Committees with an example of being able to set-up a phone on the dispatch channel, whereas, if the officer is in the car, they put one on Countywide and the other one on Special Units Dispatch (SUD), which then it operates. Executive Director Edson mentioned the other issue is that SUD would have to take up a Countywide channel, which it currently does, therefore, today that needs to be taken into consideration. Executive Director Edson stated there is an opportunity for PTT.

Committee Member Fire Chief Calhoun wondered if there is a subscription series to ESChat, as well if it is possible to configure a Talkgroup which includes encryption. Joint Committee Member Fire Chief Calhoun stated that on the backside, it be possible to add people that may not have the encryption for a particular event, then be removed from access to that event as well. Committee Member Fire Chief Calhoun further stated that it has the capability for people who do not have that program. Executive Director Edson agreed with Committee Member Fire Chief Calhoun.

Operations Lead Lt. Weber shared that from an operational standpoint he believes that ESChat Push to Talk (PTT) has strong possibilities and the Authority has even in the past tested ESChat with several specialized units, which is what Executive Director Edson was alluding to.

Operations Lead Lt. Weber introduced Deputy Kambara from the Aero Bureau to tell the group what her thoughts are on the issue and how it would affect how Aero Bureau operates and since often times there are limitation on their airships which are coming out of Long Beach.

Deputy Rene Kambara stated that similar to the issues that SEB would have, Aero also operates on a Countywide basis. Deputy Kambara stated the airships have jurisdiction of the whole County of Los Angeles, it is not uncommon to enter into Orange County for a pursuit. Deputy Kambara shared an incident that originated in Lakewood and quickly moving into Anaheim, Buena Park or even further. Deputy Kambara said that in those instances Aero would need to talk to the originating Sheriff Station that began the pursuit, even if Aero hands it off to the Orange County



agencies. Deputy Kambara expressed that aside from that, when Aero responds to calls, just like SEB, if something is emergent in Lancaster, Aero could be responding from Long Beach, Compton, Lomita, wherever, they are listening. Deputy Kambara stated, similar to SEB issues, Aero needs all of the information they can get. Deputy Kambara said it is not uncommon for the helicopter deputies and aero deputies to set-up a containment in the event the ground units that are tied up in a pursuit. Deputy Kambara expressed this would have detrimental effects if Aero went to a regional type of talk. Operations Lead Lt. Weber understood that if the Aero deputies could be doing this from a significant distance away.

Operations Lead Lt. Weber stated that what he understood Technical Lead Pao said in regards to how it would affect the problem for Aero Bureau units, as well as understood there was a difference between the Aero units, once in the air, they will hit the towers more readily than somebody on the ground, but wondered what the effect it would have and how it would affect the problem for Aero Bureau.

Technical Lead Pao said that once Aero is above ground, they can see a lot of sites verses ground units as sometimes they are limited to how many sites they can see. Technical Lead Pao continued by saying that depending on the elevation of the flight they would be able to see a good percentage of the Authority's sites in the basin including North County and the Los Angeles National Forest that does help in their case when operating. Technical Lead Pao went on to say that just like SEB, the Technical team would have to take a look at Aero Bureau's needs much more closely and see how to fulfill their needs, as well as being able to manage the Authority's resources as efficiently as possible.

Alternate Technical Lead England asked if Aero was currently working on a regional system that works for them.

Alternate Technical Lead England mentioned that for instance, Antelope Valley dispatch 15 and sites are being added to those platforms. Alternate Technical Lead England said, therefore hypothetically, Antelope Valley has had the same sites that have not changed, and everyone has been set up to operate on the system, the sites are available to use when out in the area.

Alternate Technical Lead England expressed that if it modeled as the Authority is currently doing so and giving the ability to put in Countywide channels allowing really good coverage and the use of ESChat.

Alternate Technical Lead England further expressed the Authority is adding Countywide and ESChat, therefore, two (2) different layers of operations would be available.





Alternate Technical Lead England stated nothing is being taken away, but two (2) layers of extra communications was being added. Alternate Technical Lead England mentioned from listening to the situation from the outside is his understanding.

Deputy Smith concurred and provided an example of a scenario in which Palmdale goes to a duplex patch and they are notified of an active shooter that is holding six (6) people hostage at a school, as the team rushes to the helipads to board an Air Ship (which take 20 minutes to get to the helipads), Deputy Smith said the most important thing is knowing what is happening at that very moment. Deputy Smith expressed that it is literally a life and death Intel, in which Intel drives that life and death situation, they need as much of the live information as possible while are setting up. Deputy Smith stated that as long as it is not cut out, it is 100 percent good. Deputy Smith continued before the encryption ability with ATAC, the existing system was not audible until getting into the lower basin but now it is crystal clear and perfect.

Executive Director Edson mention to Alternate Technical Lead England's point on ESChat, if there was heads-up to start monitoring dispatch fifteen (15) and they used their smartphones, it will be able to be heard anywhere no matter where you are, Orange County or Menifee. Executive Director Edson continued that it would be able to be heard while suiting up.

Executive Director Edson questioned whether they have to hear dispatch 15 while on the mobile and portable immediately or if they would be okay with there being a slight delay while the station is changing over to a Countywide tactical. Executive Director Edson continued that it is possible to stay on the phone for dispatch 15 forever, but at some point, if a mobile or portable needs to be used, it might be more operationally and more technically advantages to turn everyone over to A TAC and then skip listening to dispatch on mobile or portables.

Deputy Smith inquired if the delay mentioned by Executive Director Edson occurs when the patch is drawn, and they go to ATAC. Executive Director Edson affirmed Deputy Smith's inquiry that was correct. That is acceptable operationally and be an operational issue that can be adjusted to.

Sgt. Sanchez confirmed yes exactly, that is acceptable as an operational issue, and it is what is done now by switching over to a radio check for example. Sgt. Sanchez continued that people in certain encrypted positions are actually monitoring the frequency to switch over to. Deputy Kambara stated the Aero bureau does not have ESChat.

Executive Director Edson concurred that Aero Bureau does not have ESChat. Executive Director Edson believes that from an Aero Bureau standpoint, it would



be a little more difficult because most of the Aero Bureau immediate responses happen from the dispatch channel, such as an alert or being alerted to an event happening on a dispatch channel and changing over to the channel and they you might be flying across County to get to that call.

Executive Director Edson mentioned that it would be similar to a situation when the Covina or Claremont police departments, for instance, received a pursuit call that started heading Westbound on the 10 Freeway, and these pursuits seem to go on forever, when suddenly they are going Southbound on the 110 Freeway and they are transitioning all of the sites that they go through to get there, yet there is an ability to be on a dispatch channel typically for the region they are in.

Executive Director Edson further mentioned that officers are outside their footprint and the system is not necessarily programmed to allow them to be outside of the footprint. Executive Director Edson went on to say that operationally, they have to change to a tactical frequency during a pursuit and if it is going to leave a footprint, they would want to have a tactical procedure in place to leave that dispatch channel and change over to a tactical frequency of some kind. Executive Director Edson also said that it is similar to Aero Bureau, where the police department for the most part stays within their jurisdiction, but once they leave it, one of the biggest reasons for them to leave is due to a pursuit.

Sergeant Sanchez added there was an incident recently where a police officer was shot in Arcadia and the team was at an operation in Lancaster. Sgt. Sanchez continued, the initial radio traffic was that he was pinned down and the suspect was still actively shooting. Sgt. Sanchez The team was driving down Code 3 and requesting Aero to pick them up to get them down closer and faster and one of the problems that they came across was that they received third-hand information from Arcadia PD and they do have mutual aid. Sgt. Sanchez asked if this could be addressed in this segment. Executive Director Edson stated it is going to get better.

Sgt. Sanchez continued by saying that it is mutual aid, it would be great if when they are on the telephone, they are able to relay information to and from the Sheriff Deputies. Sgt. Sanchez stated that true mutual aid has been used before in training where they were able to talk to one another clear as day but wondered that if in those cases would there be some type of system or something that could help.

Technical Lead Pao answered yes that we do have a system. Technical Lead Pao further stated that Arcadia PD is part of ICI and there is what is called an "ISSI connection" with them, it is a matter of, operationally, your team needs to work out how to do that. Technical Lead Pao explained further, technically, the two systems are connected, and they can make that happen.



Executive Director Edson stated Now they are connected, and the delivery system is new as you know, and the ICI system has been around, and we have an interconnection with ICI which means that our system can talk to anybody who is on the ICI system just as if it is another Sheriff's Department.

Executive Director Edson continued that Operations Lead Lt. Weber is here from the LASD to be assigned to the program for the purpose of helping your department to build operational procedures for those kinds of business needs.

Executive Director Edson stated that as the radio system is rolled out, there will be more operational opportunities and more operational policies that will help fill those gaps and hope to have a lot of independent police departments on the system as well that are directly connected, not necessarily through an interface, and those will be just like driving past another Sheriff's Department.

Alternate Technical Lead England went on to add that it was exciting to have had LARTCS that was patching everything together. Alternate Technical Lead England said the new system is Countywide coverage, analog channels, old school with two (2) low band channels, five (5) VHF (Very High Frequency) channels, five (5) Ultra High Frequency (UHF) channels, and five (5) 800 MHz (Megahertz) channels, they all fall mutually with operations. It can easily translate that county coverage everywhere and being about to incorporate that into operations would be really beneficial as well, especially into a situation like that.

Deputy Kambara mentioned that Executive Director Edson brought up a point for a local police department and what is the business reason for them to leave their so-called region or reporting district. Deputy Kambara shared an example which happened over the weekend, the Century Sheriff station in the and the Florence Firestone district area had a robbery call at one of their local businesses. Deputy Kambara detailed the scenario and further shared that when the suspect was getting away with their loot and stolen items the store managers had placed a GPS tracking device within the stolen items. Deputy Kambara said that deputies on the ground were not on the scene as of yet, however, the Century Sheriff's station's dispatch was on the phone with the business owner providing updates. Deputy Kambara further said the business owner was providing location/direction as to where the GPS was pinging. Deputy Kambara provided an example that as the minutes went on the suspect with the stolen item indicated that they were tracking further and further away from Century Station's jurisdiction. Deputy Kambara continued to detail the scenario and said that by the time that deputies could have coordinated anything the suspect was well into Los Angeles Police Department (LAPD) and Downtown Los Angeles area, while continuing further north. Deputy Kambara expressed this is not an uncommon situation either, and it would be a shame if the radio communications systems were not available outside the immediate area.



Operations Lead Lt. Weber responded from an operational standpoint Deputy Kambara has brought up a very good example and he reported the Authority radios are equipped with those frequencies, and although LAPD is a little different system, Aero Bureau acts as the conduit between the LAPD and the Authority.

Operations Lead Lt. Weber continued, the Authority hopes from an operational standpoint to make that more standardized with LAPD, along with all the other agencies and as far as the Authority's channels and the SEB, those are outstanding examples of what the system can do and the bottom line is the Authority is formulating and coming up with the operational plans to make those things happen because with the ISSI connection it can connect Deputy Kambara in.

Operations Lead Lt. Weber continued that even the incident here in Monterey Park when they found the suspect in Torrance the Authority had the ability, the Authority just did not have the operations in, because the Authority is bringing in LA-RICS online as these things are happening and that information wasn't quite where it needed to be, the Authority ended up bringing analog and digital channels together in order to communicate with Torrance Ca. and that is never the best case scenario. Operations Lead Lt. Weber said, it sounded to him that there is definitely very good information or evidence that push to talk is good for the Authority in the future for the stuff that Deputy Cabrera was talking about and possibly investigating further regional tactical channels to make these things work.

Operations Lead Lt. Weber explained the difference with the LASD, from an operational perspective, and said the stations never had these tactical channels specifically assigned to them and with the new LA-RICS system assigned to the LASD, they will have their own LTAC Talkgroup assigned to the LASD, Detective Bureau Talkgroup and their own Metro Talkgroup. Operations Lead Lt. Weber believes that leaves a lot more of a wide-open area and the Authority, with full station testing, had several incidents where the stations ended up on the Metro Talkgroup, and they are handling this on their Metro and it ends up going all the way through.

Operations Lead Lt. Weber further added the Authority would have to take a hard look at what is being done and see if a tactical, or maybe figuring out when a Regional Tactical Talkgroup or Countywide Tactical Talkgroup would be more appropriate for those kinds of situations and when is the Authority going to get them to switch the Sheriff has given out new tools at the stations and Operations Lead Lt. Weber gestured that the others have seen them and they are being used already. Operations Lead Lt. Weber continued, the technology is pretty amazing and can do a lot of things so with your input the Authority hopes to formulate the best operational procedures to make it work and there is still a lot to come so we really do appreciate any input, and asked any of the Operations and Technical Members from the police department had any input.



Operations Committee Member Fate said that one of the things to consider is tactical operations, if the Authority were to silo off radio systems into groups that would need to be done very thoughtfully. Operations Committee Member Fate recalled that a few years ago that some agencies on the air were on VHF and some others were on UHF. Operations Committee Member Fate continued that those cities that had the ease of operation at a very base level, the average for patrolmen, Community Service Officer (CSO). Operations Committee Member Fate continued, those agencies work well together and the other ones almost didn't exist because it was difficult to communicate, and if it is difficult or takes extra steps, it will create further silos and if they are on the day-to-day operations, stuff, it's great if you're in person and you can switch to a tactical channel where you know you're going draw on other agencies, but just on a day-to-day operation, if Operations Committee Member Fate wanted to know what's going on in his neighboring city or two cities over, or Covina and Claremont, which are both in the east end of the valley, if something is going on in Claremont, Operations Committee Member Fate wants to be able to listen to it and not have to bug Chief Aaron Fate on the cell phone about what's going on in his city. Operations Committee Member Fate thought trading those areas and being very thoughtful about it something to plan for if that is the direction it is going.

Operations Lead Weber wholeheartedly agreed with Operations Committee Member Fate, as well as basing it on his experience feels that if the Authority makes it too hard for the officers, deputies, public safety people, feet on the ground, then it would not work and live up to its full potential.

Operations Lead Weber said the Authority does not believe that restrictions would affect that type of operation where the Authority has entities that are close together. Operations Lead Weber expresses the Authority has a bigger issue when things are spread out across the County, that is from dealings in Long Beach to all the way up in Santa Clarita or some distance across the County.

Operations Lead Weber reiterated, the Authority wholeheartedly agreed with Operations Committee Member Fate this should not be restrictive in a way that makes it too onerous for the people that are the feet on the ground but to try to get the job done and keep our community safe.

Alternate Technical Lead England mentioned it is not boundary specific, the County is so large, and the Authority does not want to burn all of the resources. Alternate Technical Lead England said, the majority of the work is going to be here, and it is modeled after what the current systems are right now, it is the same type of infrastructure and same type of coverage and that is where the bulk of the work is.

Alternate Technical Lead England added, where it is appropriate, received are these tactical ones that are Countywide, so the system is not overloading our day-



to-day resources and when using PTT, it doesn't "busy" out for the deputies. Alternate Technical Lead England further said, it is the balance of what is done day-to-day, and it is not going to drop off at the end of it, it is pretty much the same coverage that is being received now in those areas, which are pretty large. Alternate Technical Lead England continued, then getting those areas like Antelope Valley driving over to the other area and go on to those tactical channels and give the deputies the resources. Alternate Technical Lead England said further, this is incredible, there is no black and white here that is what the Authority had before, and are building off of that model, and doing the loading off of that model and talking about what is appropriate for regionals systems and giving even LTE resources. Alternate Technical Lead England added, this is some exciting stuff, the groups perspective here is really, really important, testing, validating, modeling and just because it is set up this way doesn't mean it just needs to be that way.

Technical Alternate Lead England continued, it is the deputies who go out into the field and all of us working together to make it the best.

Captain Walczak, added, even if you are not in that region, and situational awareness is needed, there will still be the ability to go up to ESChat that are not in your region and if you are on standby for a resource service, something like that.

Alternate Technical Lead England added, someone may be in Sacramento at a meeting for instance, this happens, they can start to dial in to see what is going on while flying back and knowing what they will be engaged in, this is some great stuff, however, the more the group attending works together, the better it is going to be.

Operations Lead Weber replied, that Alternate Technical Lead England brought up the key to this and that is there has to be a balance, on the one hand the system has to be managed so that it works appropriately for the people that are feet on the ground but on the other hand, we have to get the input from the field experts to make sure that it is done in a way that works for them that it is not too onerous for the people feet on the ground or the specialize units. Operations Lead Weber asked if there was any other input from the group of attendees.

Operations Committee Member Fate added, to Alternate Technical Lead England's point, the likelihood of, let's say a city like Claremont. having to talk Countywide is very slim, it does not happen that often. Someone brought up a pursuit as example, that is probably the most common reasons for it, right now, it is going to operate very similar to the way this is being constructed, and it will actually be even easier to, because right now, it is a call to Sheriff's communication, trying to clear mutual aid channel. We switch over to that in the car and on the portable handheld radios,

Operations Committee Member Fate further added then we go and we're good for the county. Operations Committee Member Fate added, the one issue that we run



into with being the last outpost of County of Los Angeles on the eastern edge of the world is that we've got San Bernardino on the other side that it would create some additional radio challenges for us as far as mutual goes. Operations Committee Member Fate said but also to Rick's point, it doesn't happen that often, but let's say he's got a shooting in his city and he is asking for extra resources and we all get there, there is just in our local San Gabriel Valley area, there is VHF, UHF, 800 and the communication center is saying, "patch this one to this and patch this one to that" and you have people out there in the field saying, "here just take my spare radio".

Speaker Operations Committee Member Fate added, so you've got these cops out there with two or three radios trying to communicate and it sounds like this is really going to tie in all of those things, just knowing that they need to speak Countywide all of the time.

Speaker Operations Committee Member Fate added they don't need that ability and theirs is going to be very specialized and it is going to be with unique circumstances involved, and it also might involve other Countywide resources, for instance, if we are in a pursuit and ended up with a barricaded suspect somewhere deep into Los Angeles County, they are probably going to want to listen to what we're saying also, and Operations Committee Member Fate thinks operationally it sounds like things are going good and like what was said, the days of passing each other a portable handheld radio is going to what is being dealt with now, is pretty exciting.

Alternate Technical Lead England said, for the next Joint Operations and Technical meeting, the attendees can present on the Antelope mutual aid and go over what and where these systems work for them and the Authority will be able to present what is there, but the attendees are going to have to come up with the plans on how to use it and the Authority can definitely work with them to help technically what we can but in the end, Alternate Technical Lead England posed the question, how are the attendees going to use them? These plans need to be pre-established, pre-practiced setting the Standard Operating Procedures (SOPs).

Executive Director Edson added another scenario he presented and using Joint Committee Member Leslie Luke from the Office of Emergency Management, (OEM) and talked about emergency management a bit. Executive Director Edson continued, this effects Police more so than Fire to some degree, but when there is a major disturbance in County of Los Angeles, it is not uncommon for the civil defense areas to activate, and to say, the area G cities will all be activated and sent down, including the Police department to the beach area to help with a riot going on, on the pier. Executive Director Edson continued, those cities that are leaving one part of the County to go to another part of the County to help under mutual aid and such for this disturbance are going to need to have the ability to talk from the



same radio that one officer is holding to the same radio the other officer is holding. Executive Director Edson said the solution to that scenario is, that the radio's in the region will be similarly programmed and for instance, Claremont had to respond to Huntington Park to help with some civil disturbance, and it is not within the Claremont footprint, all they have to do is switch to a Huntington Park footprint, tactical channel, or regional channel or Metro channel that is designated to the particular event and without ever having to exchange radios or dial in any frequencies, they will be able to assist with that event, Executive Director Edson asked Technical Lead Pao if that was correct.

Technical Lead Pao responded that it was correct if the radio has been programmed properly, yes.

Executive Director Edson continued by asking Mr. Leslie Luke if that was a possible or routine operational emergency civil defense kind of thing?

Mr. Leslie Luke of the Office of Emergency Management responded that is available, or going back to the Woolsey Fire when we had everyone going out there from all over the County, both law enforcement and fire.

Alternate Technical Lead England added one of the good things about the Woolsey Fire the Authority did a lot of the fire fighting on the VHF channels and they were used at just thirteen (13) sites. Alternate Technical Lead England continued as we migrate them to the Los Angeles Regional Tactical Communications System LARTCS, part of the LA-RICS system.

Alternate Technical Lead England asked Technical Lead Pao if it went out to twenty-nine sites. Technical Lead Pao responded it went out to twenty-two (22) sites. Alternate Technical Lead England continued that twenty-two (22) sites was a significant increase in coverage, and not only does the Authority have the VHF, they also have the UHF and 800 even Low Band, there are a lot more tools for disposal to be able to incorporate communications like that.

Alternate Technical Lead England added at the Woolsey fire, they lost all the cell phone coverage and everything else out there and were able to seamlessly migrate into the NMDN and still the Authority had coverage. Alternate Technical Lead England continued they were able to get their calls and all of the radio information. Alternate Technical Lead England further said this level of redundancy and having operations, it is seamless and part of the normal day-to-day that takes advantage of these levels of redundancy becomes key and now the Authority has so many more resources, this is pretty exciting, the Authority just has to make sure that the Authority is seriously using these resources and when they are being used, they are being incorporated and taking in to mind the redundancy and how it works,





because the guy in the field doesn't want to change channels or doesn't want to move things around, he just wants to deal with what is in front of him.

Fire Chief Committee Member Calhoun said, it just needs to work.

Alternate Technical Lead England concurred with the Speaker and said, if the Authority can turn it around and focus on that platform, this whole infrastructure for that has the tools here. Alternate Technical Lead England continued that it is just working with each other to come up with the processes and procedures.

Fire Chief Committee Member Calhoun added there are a lot of resources now, it is just getting the processes to match the resources now.

Technical Lead Pao concurred with the Speaker and said yes absolutely. Technical Lead Pao continued; the Digital Trunk Voice Radio System (DTVRS) is going to offer a lot more tools than the Sheriff has been used to for the last thirty years and on top of that the Authority built out the analog system which is called Los Angeles Regional Tactical Communications System (LARTCS), it is for anybody that is currently not on the trunking system, that falls back onto analog which doesn't require much pre-programming as a trunk system.

Technical Lead Pao continued, all of these tools are available now and need to figure out how to use them.

Fire Chief Committee Member Calhoun commented it is not necessary to have the Los Angeles Regional Tactical Communications System, (LARTCS) in your system, only analog convention.

Technical Lead Pao concurred with the Speaker, it is not necessary to have a system key to program it and there is both analog and digital to offer the whole region to utilize.

Operations Lead Lt. Weber stated, from an operational standpoint, speaking from the LA-RICS perspective and from the Sheriff department's perspective, the Authority looks forward to the technology that we have with what we're getting with LA-RICS to be able to affect big incidents and collaborate with the OEM and to bring to bear more resources. Operations Lead Lt. Weber continued, the more resources the Authority can bring to bear, the better communication we have and the better chances we have, especially in an area like that especially in an area like that where it's canyons, it's, it's a tough area to communicate in but it is a lot better now and it is still tough out there. Operations Lead Lt. Weber added the Authority did a bunch of testing out there recently for Lost Hills station and it is a much better system for the deputies and the fire fighters and the OEM personnel but it is still a very challenging terrain and the Authority really does look forward to collaborating



more as moving on because there is a lot more that the system can do. Operations Lead Lt. Weber state the Authority, literally, metaphorically speaking driving a 1980 Chevy Caprice right now, correct Sir? Operations Lead Lt. Weber said referring to the current system and this is a 2023 Police interceptor or the brand new fire truck that has all the new technology available, it is the P-25 Phase 2. Operations Lead Lt. Weber added, it is a matter of how the Authority is going to figure out how to best utilize it to best serve the citizens of County of Los Angeles.

Operations Lead Lt. Weber continued, with that being said, the meeting would move on unless anybody had any comments in regard to this issue. The Authority got some very good input and it will be very helpful for the Authority with this issue moving forward.

**VIII. ADMINISTRATIVE MATTERS – NONE**

**IX. MISCELLANEOUS – NONE**

**X. ITEMS FOR FUTURE DISCUSSION AND/OR ACTION BY THE COMMITTEE – NONE**

**XI. CLOSED SESSION REPORT – NONE**

**XII. ADJOURNMENT AND NEXT MEETING**

Operations Lead Weber called for a motion to adjourn the Regular Joint Committee Meeting. Technical Lead Pao motioned first.

Operations Lead Weber adjourned the Regular Joint Operations and Technical Committee Meeting at 2:33 p.m. and the next Joint Committee Meeting will be held on Tuesday, June 20, 2023, at 1:30 p.m., at the LA-RICS Headquarters, 2525 Corporate Place, Suite 200, Large Conference Room, Monterey Park, California, via in person and using Microsoft Teams Meeting.



# JOINT OPERATIONS AND TECHNICAL COMMITTEE SPECIAL MEETING MINUTES

LOS ANGELES REGIONAL INTEROPERABLE  
COMMUNICATIONS SYSTEM AUTHORITY

Tuesday, May 2, 2023, • 1:30 p.m.

<b>OPERATIONS COMMITTEE MEMBERS PRESENT:</b>
Adam Martinez, County of Los Angeles Department of Health Services
Vincent Capelle, Los Angeles Area Fire Chiefs Association
Aaron Fate, Los Angeles County Police Chiefs Association
Jeff LaGreek, At-Large Seat #9
<b>OPERATIONS ALTERNATE COMMITTEE MEMBERS PRESENT:</b>
Brian Hoffman, County of Los Angeles, Chief Executive Office
August Dougherty, County of Los Angeles Fire Department
Robert Weber, Chair, County of Los Angeles Sheriff's Department
Ric Walczak, At-Large Seat #8
<b>OPERATION COMMITTEE MEMBERS ABSENT/VACANT:</b>
Vacant, California Contract Cities Association
Vacant, At-Large Seat #10

<b>TECHNICAL COMMITTEE MEMBERS PRESENT:</b>
Scott England, Vice-Chair, County of Los Angeles Fire Department
Lipin Tan, County of Los Angeles Department of Health Services
Vincent Capelle, Los Angeles Area Fire Chiefs Association
Ted Pao, Chair, Los Angeles County Internal Services Department
Jeff LaGreek, At-Large Seat #9
<b>TECHNICAL ALTERNATE COMMITTEE MEMBERS PRESENT:</b>
Brian Hoffman, County of Los Angeles, Chief Executive Office
Robert Weber, County of Los Angeles Sheriff's Department
Ric Walczak, At-Large Seat #8
<b>TECHNICAL COMMITTEE MEMBERS ABSENT/VACANT:</b>
Vacant, Los Angeles Area Fire Chiefs Association
Vacant, California Contract Cities Association
Vacant, At-Large Seat #10

<b>OFFICERS PRESENT:</b>
Scott Edson, LA-RICS Executive Director
Beatriz Cojulun, LA-RICS Committee Secretary



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

**I. CALL TO ORDER**

Operations Committee Chair Lieutenant Robert Weber called the meeting to order at 1:33 p.m.

**II. ANNOUNCE QUORUM – ROLL CALL**

Beatriz Cojulun acknowledged a quorum was present for both Joint Operations and Technical Committees (Joint Committees).

**III. APPROVAL OF MINUTES – NONE**

**IV. PUBLIC COMMENTS – NONE**

There was no public comment.

**V. CONSENT CALENDAR – NONE**

There were no Consent Calendar items.

**VI. REPORTS (A)**

**A. Land Mobile Radio System Update – Riad ElMasri**

Deputy Program Manager Riad El Masri presented Agenda Item A, the Land Mobile Radio (LMR) System Update.

April Successes

Deputy Program Manager ElMasri reported that in April, dry conditions, a warming trend, and elevated temperatures, helped dry out the hills at the Angeles Forest sites and made sites access roads easier to navigate.

Deputy Program Manager ElMasri further reported that stretch of dryness came after the February and March storms, which caused equipment damage at the Mount McDill (MMC) site and damaged access roads to key Digital Trunked Voice Radio System (DTVRS) sites. Deputy Program Manager ElMasri said these events led to delays of the DTVRS subsystem cutover that was initially scheduled to start on March 16, 2023, but he was glad to report that it actually started yesterday, May 1, 2023.



Deputy Program Manager EIMasri shared that restoration work at the Mount McDill (MMC) site is in progress with Motorola Solutions, Inc. (MSI) crews working through weekends. Deputy Program Manager EIMasri further shared that crews hope wind conditions allow them to focus on repairing and restoring Microwave links and DTVRS elements which is a priority.

Deputy Program Manager EIMasri mentioned that dried site access road conditions allowed MSI crews to reach and resume repair work in an effort to restore Microwave links at several DTVRS sites. Deputy Program Manager EIMasri stated that Microwave repair and restoration efforts included the following links:

- Magic Mountain Link MML to three (3) sites, City of Los Angeles Fire Del Valle (LACFDEL), Hauser Peak (HPK), and Mount Lukens 2 (MTL2).
- Burnt Peak 1 (BUR1) to Whitaker Ridge (WTR)
- Mount McDill MMC to two (2) sites: Grass Mountain (GMT) and HPK.
- Whitaker Middle Peak WMP and three (3) sites: Portal Ridge (PRG), Tejon Peak (TPK), and to Oat Mountain Nike (ONK).

Deputy Program Manager EIMasri continued that the road to Whitaker Middle Peak WMP is closed but were able to transport MSI crew to the site to conduct the repair work on the microwave links with the help of the Los Angeles County of Los Angeles (County) Sheriff Department (LASD).

Deputy Program Manager EIMasri confirmed that commercial power at the GRM site, LA-RICS is awaiting the results of a ten (10) day load study that was requested by the City of Los Angeles (City) Department of Water and Power (LADWP) at both LA-RICS and the adjacent City of Los Angeles (City) Police Department LAPD shelters. Deputy Program Manager EIMasri stated the study would confirm if the LADWP will be able to provide adequate power to the LA-RICS service with the existing infrastructure, which would help avoid any ground disturbance.

Deputy Program Manager EIMasri said that Right of Entry (ROE) authorizations and migration coordination are currently underway with the County of Los Angeles (County) Internal Services Department (ISD).

Deputy Program Manager EIMasri expressed that Low Band Testing & Automated Capture Acceptance (ACAP) audio grading started on March 15, 2023, and would continue throughout the first week of May 2023.

Deputy Program Manager EIMasri reported that Narrowband Mobile Data Network 1 (NMDN1) Subsystem remain operational and had no major issues to report on the monthly reports.



### April Challenges

Deputy Program Manager EIMasri shared with the Joint Committees that as for April challenges to high winds at the MMC site, therefore, tower crews cancelled and lost many tower work hours due to high winds conditions.

Deputy Program Manager EIMasri also mentioned that MSI crews were not able to access the Frost Peak (FRP) site due to snow accumulation on the ground going up to the roof of shelter, as well the road closure by the Mountain High resort.

Deputy Program Manager EIMasri As reported last month, the road to the WMP site is badly washed away in many sections and currently there is no safe way to get a work truck up to the site.

### MMC Site

Deputy Program Manager EIMasri talked about the MMC site slide and said there was damage to the left side, where there were twenty-four (24) to twenty-eight (24) RF (Radio Frequency) cables.

Deputy Program Manager EIMasri noted that only eight (8), Digital Trunked Voice Radio Subsystem (DTVRS) Radio Frequency (RF) cables and four (4) Microwave (MW) cables were restored out of twenty-eight (28) lines that were damaged.

Deputy Program Manager EIMasri continued by saying that a temporary fix for the DTVRS cutover and work continues at that site. Deputy Program Manager EIMasri further said new cables need to replace old cables.

### May Focus

Deputy Program Manager EIMasri presented detailed work being done at the MMC site, which was the area of focus.

Deputy Program Manager EIMasri said they will continue to coordinate the efforts with State Parks and LADWP in finalizing the permanent power solution and planned infrastructure upgrades are needed to provide commercial utility to the Green Mountain (GRM) site.

Deputy Program Manager EIMasri Continue to explore road access options to Whitaker Middle Peak (WMP) Site. Deputy Program Manager EIMasri further added the WMP site was like an orphan site, and no one has equipment at it except LA-RICS, the Authority has been left to fix the road to the site.



Deputy Program Manager EIMasri mentioned at the MCI site currently pending put back a permanent backup generator, we currently have a loaner from the County of Los Angeles (County) Sheriff Department LASD.

#### Network Stats on Buildout

Deputy Program Manager EIMasri As with the last report, the number of sites built, optimized and on air hasn't changed. Deputy Program Manager EIMasri said, the MMC site is back online and fixed which went off-line due to the ice damage.

This concluded the report on Agenda Item A by Deputy Program Manager EIMasri.

Operations Chair Lt. Weber thanked Deputy Program Manager EIMasri and noted that after the troublesome winter, a lot of ground was made up and the DTVRS is a huge step for the program.

There was no further discussion.

Operations Chair Lt. Weber also asked if there were any public comments. There were no public comments.

Technical Chair Pao mentioned to Operations Chair Lt. Weber about the DTVRS and cutover with the LASD.

Operations Chair Lt. Weber commented on the Sheriff department and the DTVRS cutover. Operations Chair Lt. Weber said, as of May 15, 2023, the Sheriff Department is in the process of accepting or accepted the DTVRS and the Los Angeles Sheriff's Department's LASD official cutover is now in progress and expect to have full implementation of the LA-RICS cutover for LASD by May 26, 2023, or earlier.

Operations Chair Lt. Weber continued, that the Sheriff's department has been heavily testing the system and all the Sheriff stations have been on full station testing for the last several weeks to iron out any or any problems with the system.

Operations Chair Lt. Weber further continued, so far other than the issues with the Mount McDill MMC site we've had very good progress and received very good reports back on the system. Operations Chair Lt. Weber said, other than the issues with Mount McDill, we expect that to be resolved now that the site is back up again.

Operations Chair Lt. Weber concluded his reports. Technical Chair Pao had nothing to add.

There was no further discussion on the subject.



## VII. DISCUSSION ITEMS (B)

### B. Radio Demonstration – Operations Lead Lt. Robert Weber

Operations Chair Lt. Weber presented Agenda Item B and explained that a quick demonstration was going to be presented on the Inter Subsystem Interface (ISSI) connection with Interagency Communications Interoperability (ICI) using a hand-held radio.

Operations Chair Lt. Weber said, ICI is a large system here in Los Angeles County and the Authority has been in the works with a Memorandum of Understanding (MOU) for an ISSI connection that will allow direct connectivity with ICI Agencies for major incidents or critical incidents.

Operations Chair Lt. Weber proceeded to demonstrate the ISSI connection to ICI using a hand-held radio and spoke to Officer Slauson of the City of Torrance Police Department. Operations Chair Lt. Weber asked Officer Slauson if he had any comments. Officer Slauson said they really appreciate this capability, and it is a huge resource. Officer Slauson continued that they were excited to put it to use. Operations Chair Lt. Weber thanked Officer Slauson. The demonstration was successful.

Operations Chair Lt. Weber asked the group of attendees in the meeting if based on the demonstration if there were any questions on how the ISSI worked in the demonstration.

Joint Technical Committee Member Chief Vincent Capelle asked if he was on an ISSI trunking channel.

Operations Chair Lt. Weber responded, yes, Officer Slauson was on a trunking channel.

Joint Technical Committee Member Capelle followed up by asking if for LA-RICS to talk to ISSI it has to be patched. Operations Chair Lt. Weber replied that it is connected in on a console at the Network Operations Center (NOC).

Operations Chair Lt. Weber added the LASD is on Central four (4) and the way that it is set up at this point, and it is subject to some adjustment while moving forward, the LASD has tacticals for each patrol division and if there is an incident that occurs our people or the Police Department involved on ICI, can contact the Federal Communications Commission (FCC) and ask for that connection and based on whatever area it is, for instance if it is Lennox South Los Angeles station, they would be on central and could go to Central four (4), then the agency would connect them





on their side, and they would be talking just like Officer Slauson and Operations Chair Lt. Weber were talking.

Operations Chair Lt. Weber continued, it is basically the hub and spoke model that is being used to connect with Agencies that have an ISSI connection and with this MOU that is what the Authority will be able to do.

Joint Technical Committee Member Capelle asked if that was just for the law enforcement side and elaborated by saying on the Fire side, it is done differently.

Operations Chair Lt. Weber answered it can be done under the MOU with the Fire side. Operations Chair Lt. Weber continued, as a part of this MOU, there's an area laid out for technical specifications based on rules of the rules of engagement for lack of better term, all that needs to be done is develop it on that side.

Operations Chair Lt. Weber further continued, if there is something in the MOU that does not work for Fire, the intention is to come back either reading the MOU or do it again, but it is believed, based on what was put together with this MOU, that it should work for all ICI agencies, both County of Los Angeles Fire Department (LACoFD) and law enforcement.

Technical Vice-Chair England added, the MOU is the connectivity between the Authority and ICI and the regional channels are connected on both sides.

Technical Vice-Chair England continued, all the other radios are programmed with those channels and all of the Authority's radios are programmed with those channels. Technical Lead Scott England said that is what the MOU is for, not for policies and procedures for Law Enforcement or Fire, each one can use this pipe since we have established the policies and procedures, it is an MOU for the connectivity.

Technical Vice-Chair England continued, the example that was here was that they used that channel that was on both dispatches consoles and was able to patch it to the regular working channel, which meant that the operators did not have to change anything or do anything and were able to use that common channel between the two (2), then patched them onto their regular operating channel and were able to facilitate a patch using it and nobody had to change channels.

Joint Committee Member Capelle asked if that will be the plan for the Fire side when LACoFD, for instance, U 11 and West Covina is on, LACoFD is going to go to U 11 at the top of the County if that is there trunk channel LACoFD would not use the patch, Joint Committee Member Capelle inquired if that was the plan.



Technical Vice-Chair England answered, the patch is there, and it is on the console, it is facilitated by each Agency and their policies.

Joint Committee Member Capelle further continued with another example, if West Covina is on U 1 and LACoFD units are on Blue 9 for instance, someone can patch Blue 9 and West Covina U 1 together, ICI and LA-RICS who would be taking together.

Technical Vice-Chair England confirmed that it is a capability that could be, yes.

Joint Committee Member Capelle further asked Technical Vice-Chair England if the example he just described would be a test one.

Technical Vice-Chair England confirmed that it would be. Technical Vice-Chair England added, now that this pipe is established, the operational plans need to be established and it is monumental that it has been established on both sides.

Technical Vice-Chair England continued that it is possible to start talking operationally and find out how the Authority wants to use them and what is the best platform for it. Technical Vice-Chair England said this sets the tone for the interoperability for the trunking and is a major event.

Joint Committee Member Capelle asked if the plan is going to have the ability for all the ICI users and if possible, to switch over to LA County Blue trunk channel. Joint Committee Member Capelle further asked if ICI radio IDs will also have to exist in the LA-RICS system.

Technical Vice-Chair England continued, that is assuming the patches are there, Technical Vice-Chair England said that right now this is just the regional channels that are programmed into the ICI system, and the same regional channels are programmed into the Authority. Technical Vice-Chair England continued, both of the cores recognize each other, and it is possible to talk on them.

Joint Committee Member Capelle asked if channeling the programs is half of the battle, the trunk and identifications have to be on both sides and if that was correct.

Technical Vice-Chair England concurred that channels have to be allocated on both sides and pre-established which is part of the MOU and is agreed that each of the agencies have so many identifications and what the channels are going to be, including the connection points and that is all. Technical Vice-Chair England continued the MOU is establishing the connectivity for these channels, it not establishing the policies on how to use them.



Joint Committee Member Capelle concurred that he understood and wanted to make sure of that. Speaker continued that it was a great test for the way an incident was run on the Officer side, but it would not work on the Fire side. Joint Committee Member Capelle added he will be able to report that back to the Fire Chiefs, since a lot of them are on ICI.

Technical Vice-Chair England continued the path is there and operational plans need to be laid.

Technical Lead Pao commented, dialog is needed with everybody in the region on exactly how to operate the ISSI and how to talk to other Agencies, once the Authority has that framework it can be implemented.

Joint Committee Member Capelle added for the day-to-day operations, including mutual aid, this could be an operational nightmare and they would not be able to handle it at all with five (5) different dispatches.

Technical Lead Pao added maybe this is a future topic that this committee can have without Agencies to see how the committee members wants to make it work. Technical Lead Pao continued it is not necessary to do the patch as what was done in the demonstration. It can also be done by switching over to a regional Talkgroup. Technical Lead Pao added the ICI personnel can also switch over to the same regional Talkgroup and work that way. Technical Lead Pao further added it is there for how this committee wants to use it.

Joint Committee Member Capelle continued it is great for those who know how to use it but for the day-to-day Fire use, no.

Technical Lead Pao responded this information is something the Authority wants to know.

Technical Vice-Chair England said for example dispatch centers are communicating and pre-established procedures are there, including mutual aid operations, and everybody is going to be on regional two (2) and that is where the incident will be handled, and all can turn to that channel and talk on both systems.

Joint Committee Member Capelle asked if everyone goes to that one channel, he thought after everyone went to that channel, everyone would be taking on regional two (2) and talking on their channels. Technical Vice-Chair England agreed.

Executive Director Chief Scott Edson said to keep the discussion going and that there were a couple of things he wanted to point out after the discussion. Executive Director Edson asked Joint Committee Member Capelle what he was looking for in the way of Fire Department communications.



Joint Committee Member Capelle said most of the mutual aid with Los Angeles County, in La Verne Ca. and in other cities too for instance, they need to be able to say they are working on the West Covina U two (2) channel as their Admin. channel, which is the Fire Department's ICI channel and whomever comes to switch there radio to that channel can go from there and whichever non trunk channels that are utilized for the rest of the incident, they are used.

Joint Committee Member Capelle added if the incident is big, they do need to use a channel too, they have some in the ICI system and they have some in LA-RICS but as an ICI user, they want to be able to tell users to go to West Covina U two (2) to use those channels. Joint Committee Member Capelle continued that they have two (2) channels that include Talkgroups, including an emergency channel. Joint Committee Member Capelle added that is how they want to do it and that would be the day-to-day basic.

Executive Director Edson said that all are on the same page and mentioned what Technical Lead Pao stated about this committee, it needs to start talking about the operational aspects when it comes to communications in addition to, one of the committees that LA-RICS has asked the Urban Area Security Initiative (UASI) body to stand up to deal with the ICI and the Authority anticipates that all of the UASI members will send someone to that committee because, it is twofold.

Executive Director Edson continued, there is the hub and spoke model of LA-RICS that for interoperability that is driven by UASI and there is interoperability in general having to do with Law Enforcement and Fire. Executive Director Edson continued the Authority will talk about different things from the Joint Operations and Technical Committee from LA-RICS and everyone's participation is appreciated.

Executive Director Edson added the Authority will be opening and inviting people to the UASI's Interoperable working group committee to really drive the priorities of what other connections are needed in the region, for instance with the City of Los Angeles, the Port of Los Angeles, Los Angeles International Airport (LAX), Long Beach, Torrance, and South Bay dispatch. Executive Director Edson continued by saying that a lot of that will be driven through the UASI and others will be driven through LA-RICS.

Executive Director Edson thanked everyone for their participation.

Joint Committee Member Capelle stated that he Chaired the Los Angeles Fire County Association (LAFCA) Operations Committee group which they started and is coming along, and they have done some more in the last couple of months and running with LAFCA's communication plan this year and would definitely want to be involved in the LA-RICS interoperability and keep notified.



Executive Director Edson replied they will be notified through the UASI committee since he is part of that committee.

Joint Committee Member Capelle added that LAFCA is part of UASI, but West Covina is not a UASI city.

Executive Director Edson mentioned there are a number of members from the Los Angeles Fire Association who attend the meetings.

Joint Committee Member Capelle concurred that Alternate Phil Ambrose attends those meetings and will contact him. Joint Committee Member Capelle concluded that is how they would like to work it.

Executive Director Edson said the Authority will keep Joint Committee Member Capelle in the loop. Executive Director Edson continued anything that goes out to that group, Executive Director Edson will ask Technical Lead Pao to resend out to this group so all will see it.

Technical Vice-Chair England stated interoperability is a lot larger than this. Technical Vice-Chair England continued, this is one (1) connection for digital trunking and the Authority still has all of the analog that were done through Los Angeles Regional Tactical Communications System (LARTCS) which are going to be coming on-line and is operated in a whole different manner.

Technical Vice-Chair England continued the Authority has to look at how they are going to use those channels and how to use the digital channels. Technical Vice-Chair England added there is a lot of new stuff coming up for the region and that group is going to be important.

Operations Lt. Weber stated this was an outstanding conversation. Operations Lt. Weber asked Joint Committee Member Capelle if they ever had any interface with the LASD.

Joint Committee Member Capelle responded they do have a court there and they could. Joint Committee Member Capelle answered they have encrypted radios in West Covina and all of the Fire Departments have hand-held radios that are encrypted and are on the ICI portion with the police channels and may be able to be on with other Law Enforcement Agencies. Joint Committee Member Capelle added, they have Special Weapons and Tactics (SWAT) members that go into different areas, Joint Committee Member Capelle would like them to have access to ICI as well.

Operations Lt. Weber added to clarify, what he wanted to highlight and think would work, even though it is not their specific procedure and not how the Fire Department



would work, if the Authority needed to coordinate with the Fire Department, which is extremely important for LA-RICS, for instance, the Authority could be at and need medical assistance and may even bring in the Fire Department to help deal with what could be going on. Operations Lt. Weber added, this would be a way that the Authority could directly connect in because you are an ICI Agency and now there is the ability under this hub and spoke model with the Inter Subsystem Interface ISSI. Operations Lt. Weber further added, as far as the interoperability, the Authority would love to be that “umbrella” where the Fire Department could switch to the channel.

Joint Technical Committee Member Capelle stated that they would absolutely want to be included.

Operations Lt. Weber continued, to note, as a part of this, it is one step to forward as Technical Vice-Chair England mentioned, for getting the MOU approved and it is already outlined on how the Sheriff’s Department is going to work on it and will be working on that going forward and plan on doing more with the Fire Department Agencies as LACoFD starts to move in this direction. Operations Lt. Weber stated that initially there was going to be on the Analog Conventional Voice Radio Subsystem (ACVRS) including the other analog systems and as time moves on, the Authority believes this is the future and it will be even more important how those rules are set up. Operations Lt. Weber thanked Joint Committee Member Capelle.

Joint Committee Member Capelle added that they are lucky at his department since it is heavy on the technical side for operability and the folks are savvy.

Operations Lt. Weber added the Sheriff’s department, with the help of LA-RICS back up to that standard and yesterday was a huge step forward.

Operations Lt. Weber continued that LASD is getting used to the additional sound and the intricacies that go along with it and it is a huge step forward in technology for us with the LA-RICS program and it only works if this group is collaborating and come up with those avenues of communication and practice so that when things happen, we can do what we do best and that is jump right in and able to communicate. Operations Lt. Weber asked the committee if they had any other questions, for instance, how the Police Department is going to use ICI.

Operations Lt. Weber stated they would move onto Administrative Matters.

## **VIII. ADMINISTRATIVE MATTERS – (C – D)**

### **C. RECOMMENDATION TO THE LA-RICS JOINT POWERS AUTHORITY BOARD OF DIRECTORS TO APPROVE THE LA-RICS AND INTERAGENCY**



**COMMUNICATIONS INTEROPERABILITY SYSTEM AUTHORITY (ISSI)  
CONNECTION MEMORANDUM OF UNDERSTANDING - Operations Lead**

It is recommended the Joint Operations and Technical Committees:

Operations Lead Lt. Weber Approve recommendation to the Board of the ICI ISSI MOU between LA-RICS and ICI, attached hereto (Enclosure), to allow for, among other things, the oversight, use, control, coordination, and management of the regional Talkgroups using the ISSI connection.

Operations Lead Lt. Weber Approve recommendation to the Board to delegate authority to the Executive Director to execute the ISSI MOU with ICI.

Operations Lead Lt. Weber Approve recommendation to the Board to delegate authority to the Executive Director to approve and execute amendments to the (ICI) (ISSI) (MOU), provided they are approved as to form by Counsel to the Authority.

Operations Lead Lt. Weber asked for a motion of approval. Technical Lead Pao motioned first, seconded by Joint Committee Member Capelle.

Operations Committee

Ayes 8: Hoffman, Dougherty, Weber, Martinez, Capelle, Fate, Walczak, LaGreek.

Technical Committee

Ayes 8: Hoffman, England, Weber, Tan, Capelle, Pao, Walczak, LaGreek.

**MOTION APPROVED.**

**D. 2023 SCHEDULE FOR LA-RICS JOINT OPERATIONS AND TECHNICAL COMMITTEE'S MEETINGS REVISED**

Operations Lead Lt. Weber said the committee is going to have the Joint Operations and Technical meetings on a monthly basis and there is a recommended calendar.

Operations Lead Lt. Weber Committee approval is requested for the 2023 Schedule of LA-RICS Joint Operations and Technical Committees' Regular Meetings.

Operations Lead Lt. Weber said it was recommended to approve the following revised dates for the calendar year 2023 Joint Operations and Technical Committees' Regular Meeting Schedule:



- June 20
- July 18
- August 15
- September 19
- October 17
- November 14 (due to Thanksgiving Holiday)
- December 19

Operations Lead Lt. Weber continued that all Regular Meetings will be held at 1:30 p.m. on the 3<sup>rd</sup> Tuesday of each month, at the LA-RICS Headquarters, 2525 Corporate Place, Suite 200, Large Conference Room, Monterey Park, California 91754.

Operations Lead Lt. Weber asked for a motion of approval. Technical Vice-Chair Scott England motioned first, seconded by Joint Committee member August Dougherty.

Operations Committee

Ayes 8: Hoffman, Dougherty, Weber, Martinez, Capelle, Fate, Walczak, LaGreek.

Technical Committee

Ayes 8: Hoffman, England, Weber, Tan, Capelle, Pao, Walczak, LaGreek.

**MOTION APPROVED.**

Joint Technical Committee Member Capelle asked for the non-digital partners in the region for instance, Long Beach or Downey if they could have a list of what is going on.

Operations Lead Lt. Weber answered they would be contacted through the UASI meetings.

Executive Director Edson added everyone is invited to these meetings. Executive Director Edson said that Joint Committee Member Capelle brought up a good point and the Authority will outreach to all of them and let them know about these meetings. Executive Director Edson continued in addition, there is going to be an UASI memo.

Joint Committee Member Capelle asked why UASI is added when there are only three (3) cities.

Executive Director Edson answered that UASI funded the Long Beach, ICI and LA-RICS systems and the Authority meets with that group so as to prioritize which





connections are made and funded by UASI. Executive Director Edson continued that at the LA-RICS Headquarters it will be more important to discuss more of the Agency interoperability, therefore, that is why they are both important.

Technical Vice-Chair England added that there is the LARTCS group including all of the agencies that belong to it.

Executive Director Edson asked Technical Vice-Chair England to explain the LARTCS system to the new people in the committee.

Technical Vice-Chair England added there is the LARTCS, it is a group of all the local Agencies that came together to make all of the operability work.

Technical Vice-Chair England continued, the committee established a Request for Proposal (RFP) and a mutual aid system that all could work on and fell in suit with the LA-RICS platform, the Authority took over the platform and took the RFP and bid on it.

Technical Vice-Chair England continued, the Authority obtained a full analog system with Low Band including two (2) channels, a Very High Frequency (VHS) system, an Ultra High Frequency (UHF) system and an 800-megahertz system that follows the standard communications platform which was set by this committee.

Technical Vice-Chair England continued the system is now built, LASD was one of the coordinators and whenever one of those channels is used, they patched those channels together and was put together with what we had.

Technical Vice-Chair England continued now the system is what the Authority wanted, and it is Countywide communications on the channels and includes digital channels which was not even anticipated then. Technical Vice-Chair England continued there are operability tests which are conducted once (1) a month and the Authority participates in testing. Technical Vice-Chair England said this is the group that should announce this is our interoperability as a group and how we are going to operate on it.

Joint Committee Member Capelle asked were these the old mutual channels are the LAFCA channels, and explained they do not use the LARTCS channels currently and if LACoFD can use with LARTCS channels.

Technical Vice-Chair England answered there are channels associated with the Authority and are assigned on some of the hill tops, the system is obsolete now and this new system is coming up. Technical Vice-Chair England added there are Countywide systems that are available to the community and are needed to get that



out and know how to use and operate them. Technical Vice-Chair England said this reason for the RFP and is wanted for mutual aid and is part of LA-RICS. Technical Vice-Chair England added not only digital trunking.

Joint Committee Member Capelle asked if the Authority wanted them to use LARTCS. Joint Technical Committee Member Capelle asked further, for clarity, if the system was obsolete.

Technical Vice-Chair England explained the LARTCS was incorporated into LA-RICS, it is called the LARTCS section, and has been migrated to the newer communications platform.

Operations Lt. Weber added it is a new LARTCS system that is built out as a part of LA-RICS and one (1) of the subsystems.

Joint Committee Member Capelle asked if it was a repeated analog channel.

Operations Lt. Weber concurred yes it was.

Technical Lead Pao added there is an 800-megahertz channel, UHF from LA County, VHF from LACoFD and the Low Band channels.

Joint Committee Member Capelle stated it would be good to talk about in the complete Joint Operations and Technical meeting where this can be utilized.

Technical Vice-Chair England added that Joint Technical Committee Member Capelle brought up a good point regarding giving a presentation of the new LARTCS system with a presentation on what and how that system works, to set the tone, as was done here with the ISSI interface showing the connectivity. Technical Vice-Chair England said there was still a need to come up with the operational plans for this.

Operations Lt. Weber added the Authority is currently testing with Motorola Solutions Incorporated (MSI) on those systems, moving forward, it is expected with the improved Joint Operations and Technical schedule, the Authority will be presenting it to the committee and hope to be presenting it quicker.

Operations Lt. Weber added the Authority has moved forward with the testing and will present it to the committee as soon as possible, so that it can be presented here to see how it works including what is being learned about the old system and to get the committee's input. Operations Lt. Weber continued the Authority is learning about the old LARTCS system that was modeled after the Sheriff's department LASD and which is in the process of being rebuilt.



Operations Lt. Weber further added as highlighted by Technical Lead Pao and Technical Vice-Chair England, the system has new features, and it is a brand-new system. Technical Vice-Chair England added the Authority will bring it to the Joint Operations and Technical meetings to this committee, showing what it will look like and how it works for the committee's input.

Joint Committee Member Capelle thanked the Authority for allowing him to ask many questions which the answers will be shared with his group in the Los Angeles Fire Association LAFCA when he returns and for the purpose of everyone being better partners.

Operations Lt. Weber said the questions are appreciated, the more connection and input and discussion that takes place, the better. Operations Lt. Weber continued that is what the forum is about and to make interoperability more of a reality in the region.

Technical Vice-Chair England added the Authority needs to reach out to all of the mutual aid partners, this is a regional system, the committee needs to know how to drive the system. Technical Vice-Chair England continued the more questions and interfaces received, the better.

Joint Committee Member Capelle added at some point, Los Angeles Fire Chiefs Association would have LAFCA interoperable committee meet and have more of an understanding of how we can use the LARTCS system.

Executive Director Edson added, the Authority is basically seven (7) months away from going one hundred percent (100%) live. Executive Director Edson continued the Authority has seven (7) months to pick up some more subsystems to release and demonstrate them and build some of the standard operating procedures amongst all the public safety Agencies in Los Angeles County. Executive Director Edson continued not only Sheriff, Police or Fire but all of them and want everyone involved. Executive Director Edson said when the committee leaves here today, communicate with your communication friends, and have them come to the next meeting.

Executive Director Edson said the Authority will do everything it can to have everything identified and fully functional the way this committee wants to do it, not the way the technology is, the Authority wants the technology to work for the committee for the committee's business needs.

Executive Director Edson reminded the committee, even though it is an interoperable system for anyone who wants to use it especially during emergencies and disasters, the system is also an operable radio system for anyone who wants to subscribe. Executive Director Edson continued that it should not matter if you



are at Verdugo Fire Agency using LA-RICS or LACoFD Agency or Pasadena Fire Agency and want to use Verdugo's ICI, you should be able to do that, all should be able to work and available to everybody in the manner of choices wanted.

Joint Technical Committee Member Capelle inquired about having a rate plan available someday.

Executive Director Edson concurred, the Authority is a couple of months away from a consultant returning with a dollar amount.

Operations Lt. Weber added the Authority has made great strides and this has been a build out for many years as the committee knows and it is very exciting. Operations Lt. Weber continued, the Digital Trunked Voice Radio Subsystem DTVRS is running and deputies all over the County are talking on it and it will be accepted soon.

Technical Lead Pao asked the group about future discussions to have a LARTCS and, or the overall LA-RICS system presentations.

Joint Technical Committee Member Capelle said he had some knowledge but as a LAFCA representative for more understanding of the system, he would like to have a full presentation.

Technical Lead Pao agreed.

Operations Lt. Weber added to either present to LAFCA or his people come to LA-RICS Headquarters and to contact the committee or Chief Calhoun.

Technical Lead Pao stated the Authority can have a presentation at LA-RICS Headquarters in the next Joint Operations and Technical meeting and can go elsewhere to present too.

Joint Committee Member Capelle said he would bring it up at the next LAFCA meeting in the following week. Joint Technical Committee Member Capelle added that in an earlier LAFCA meeting, Chief Marrone explained a bit about cost.

Executive Director Edson added the Authority is available to come and meet with Chief Capelle at any of their meetings where it is convenient. Executive Director Edson further added they would probably present at LA-RICS Headquarters anyway.

Technical Committee Member Lipin Tan asked when the Authority receives rates plans in the near future, what type of equipment will be recommended or compatible with the system.



Technical Vice-Chair England talked about the Request for Information (RFI), which was sent out to all the vendors for their radios and equipment.

Technical Vice-Chair England continued they are going to test them on the system and validate that they work then produce a list and leave the RFI open in case there are new vendors or radios they will be able to go through the testing using the RFI.

Technical Lead Pao clarified that they will be subscriber systems.

Technical Vice-Chair England continued, all other Agencies and departments can utilize the list showing what is available and what can work.

Operations Lt. Weber added the standard is P25 Phase 2, the Authority has Motorola radios which meet the Authority's standards and are good on the system and another city brought us a radio which they wanted to use which was a Kenwood and was P25 Phase 2 compliant. Operations Lt. Weber continued the Authority went through the process for that radio and it is approved for the LA-RICS system, it is strictly Ultra High Frequency (UHF) which is a much more economical radio for city workers or parking control, for instance.

Technical Committee Member Tan mentioned the Department of Health Services (DHS) have hybrid systems that are handled through the County purchasing rules. Technical Committee Member Tan continued private ambulance companies and hospitals are going to the County for a compatible vendors and equipment list and go through their own channels and a compatible equipment list would be really helpful.

Operations Lt. Weber commented that is exactly why LA-RICS is going through the RFI process to have an approved list of radios for the system and the list will be available so the Authority can get additional feedback.

Executive Director Edson said it is not necessary to use the radio system at all, it is also possible to use a smartphone. Executive Director Edson added, the plan is to use push to talk on smartphones, for instance, some cities will take the radios out of their trucks or off of the "dog catcher's hip", they already have a cell phone, so they use push to talk. Executive Director Edson you can save a lot of money by having only one device.

Technical Lead Tan commented that everyone at DHS uses cell phones to the extent they have already begun to forget about the radios. Committee Member Tan added but every time the Fire Department comes, the phone company turns off the power even before the Fire Department even starts their work. Lead Tan continued the cell tower loses power in lots of places, so DHS still needs the radio.



Operations Lt. Weber added the push to talk will be an outstanding segue that combines both and runs through the system, it will be a push to talk application on your phone.

Operations Lt. Weber added the LASD in conjunction with LA-RICS the County has tested it and it works very well and the Authority as the Executive Director Edson said the Authority is working on the implementation of that on a much larger scale since it is going to require and ISSI.

Operations Lt. Weber added it is an outstanding avenue for entities who do not need to have a radio every day but still need to have radio access.

Operations Lt. Weber concluded that everything was covered in the meeting and asked for any more questions or comments.

Operations Lt. Weber further added, the conversation was outstanding and appreciate the committee coming and participating and allowing the input and assisting out Board and helping us move the MOU forward.

**IX. MISCELLANEOUS – NONE**

**X. ITEMS FOR FUTURE DISCUSSION AND/OR ACTION BY THE COMMITTEE – NONE**

**XI. CLOSED SESSION REPORT – NONE**

**XII. ADJOURNMENT AND NEXT MEETING**

Operations Lead Lt. Weber called for a motion to adjourn the Regular Joint Committee Meeting, Technical Lead Pao motioned first.

Operations Lead Lt. Weber adjourned the Regular Joint Operations and Technical Committee Meeting at 2:33 p.m. and the next Joint Committee Meeting will be held on Tuesday, June 20, 2023, at 1:30 p.m., at the LA-RICS Headquarters, 2525 Corporate Place, Suite 200, Large Conference Room, Monterey Park, California, 91754.



# JOINT OPERATIONS AND TECHNICAL COMMITTEE REGULAR MEETING MINUTES

LOS ANGELES REGIONAL INTEROPERABLE  
COMMUNICATIONS SYSTEM AUTHORITY

Tuesday, June 20, 2023 • 1:30 p.m.

<b>OPERATIONS COMMITTEE MEMBERS PRESENT:</b>
<b>Leslie Luke</b> , County of Los Angeles, Chief Executive Office
<b>Dayton Calhoun</b> , County of Los Angeles Fire Department
<b>Vincent Capelle</b> , Los Angeles Area Fire Chiefs Association
<b>Aaron Fate</b> , Los Angeles County Police Chiefs Association
<b>OPERATIONS ALTERNATE COMMITTEE MEMBERS PRESENT:</b>
<b>Robert Weber</b> , Chair, County of Los Angeles Sheriff's Department
<b>OPERATION COMMITTEE MEMBERS ABSENT/VACANT:</b>
<b>Adam Martinez</b> , County of Los Angeles Department of Health Services
<b>Vacant</b> , California Contract Cities Association
<b>David Povero</b> , At-Large Seat #8
<b>Jeff LaGreek</b> , At-Large Seat #9
<b>Vacant</b> , At-Large Seat #10

<b>TECHNICAL COMMITTEE MEMBERS PRESENT:</b>
<b>Leslie Luke</b> , County of Los Angeles, Chief Executive Office
<b>Scott England</b> , Vice-Chair, County of Los Angeles Fire Department
<b>Lipin Tan</b> , County of Los Angeles Department of Health Services
<b>Vincent Capelle</b> , Los Angeles Area Fire Chiefs Association
<b>Ted Pao</b> , Chair, Los Angeles County Internal Services Department
<b>TECHNICAL ALTERNATE COMMITTEE MEMBERS PRESENT:</b>
<b>Robert Weber</b> , County of Los Angeles Sheriff's Department
<b>TECHNICAL COMMITTEE MEMBERS ABSENT/VACANT:</b>
<b>Vacant</b> , California Contract Cities Association
<b>David Povero</b> , At-Large Seat #8
<b>Jeff LaGreek</b> , At-Large Seat #9
<b>Vacant</b> , At-Large Seat #10

<b>OFFICERS PRESENT:</b>
Scott Edson, LA-RICS Executive Director
Beatriz Cojulun, LA-RICS Committee Secretary



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

**I. CALL TO ORDER**

Operations Committee Chair Lieutenant Robert Weber called the meeting to order at 1:47 p.m.

**II. ANNOUNCE QUORUM – ROLL CALL**

Committee Secretary Beatriz Cojulun said there was no quorum present for either Joint Operations or Technical Committees (Joint Committees).

Committee Secretary Cojulun said Alternate Member, Officer Paul Devlin not able to stand in via teleconferencing for Sergeant Jeff LaGreek, due to mandatory in-person attendance. Committee Secretary Cojulun went on to say that unless there are special circumstances, teleconferencing would require advanced notification and approval prior to the start of the meeting. Quorum was not met for either of the Committees.

**III. APPROVAL OF MINUTES – NONE**

Operations Lead Lt. Weber said there minutes would not be approved of due to there not being a quorum present for both Joint Committees.

**IV. PUBLIC COMMENTS – NONE**

There was no public comment.

**V. CONSENT CALENDAR – NONE**

There were no Consent Calendar items.

**VI. REPORTS (A)**

**A. Land Mobile Radio System Update – Deputy Program Manager Riad EIMasri**

Deputy Program Manager Riad EIMasri presented Agenda item A the Land Mobile Radio (LMR) System Update.

June Successes

Deputy Program Manager Riad EIMasri said the team is currently tracking progress to the approved Integrated Master Schedule (IMS) February 7, 2023 Data Date (DD) with the Final System Acceptance Date of October 26,2023. However, Deputy Program Manager EIMasri mentioned that Motorola Solutions, Incorporated (MSI)'s





IMS May 9, 2023DD, submitted on May 19, 2023, reflected the forecast of a final System Acceptance date of December 12, 2023, which was rejected by the Authority. Deputy Program Manager EIMasri shared that Authority staff would be expecting the new schedule be received from MSI either today or tomorrow, June 21, 2023. Deputy Program Manager EIMasri said that in preparation for the Analog Voice Radio System (ACVRS), the Los Angeles Regional Tactical Communications System (LARTICS), and the Narrow band Mobile Data Network (NMDN2) Subsystems cutover, the team is working with County of Los Angeles Sheriff Department (County) (LASD) to clear the remaining two (2) frequencies out of thirty-nine (39) total frequencies to complete the Digital Truck Voice Radio Subsystem (DTVRS) system cut-over.

Deputy Program Manager EIMasri reported that MSI's efforts are now shifted towards the cutover preparations of ACVRS. Deputy Program Manager EIMasri mentioned the projected cutover dates for the LARTCS is September 28, 2023, the ACVRS is September 28, 2023, NMND2 is December 12, 2023, and the Final System Acceptance is December 12, 2023. Deputy Program Manager EIMasri said that MSI continues restoration work at Mount McDill (MMC), as well as commercial power continued to be pursued at the Green Mountain (GRM) site. Deputy Program Manager EIMasri further reported that County of Los Angeles Fire (County) Department (LACoFD) repaired the road at GRM.

Deputy Program Manager EIMasri stated the Authority signed a one hundred and twenty-five (125) amp Max Amperage with the City of Los Angeles (Ciry) Department of Water and Power (LADWP) at their request and now waiting on their next steps to provide power to the site

Deputy Program Manager EIMasri expressed that restoration work at the Frost Peak (FRP) site continues, since we got access back on May 15, 2023. Deputy Program Manager EIMasri went on to say the Right of Entry (ROE) Authorizations and migration coordination is underway with the County of Los Angeles Internal Services Department (ISD) and Migration installation work to start on Tuesday, June 21, 2023, at Mount Lukens 2 (MTL2) site.

Deputy Program Manager EIMasri went on to say there continues to be a lot of work remaining to be done by MSI, for instance replacing damaged ice shields at sites. Deputy Program Manager EIMasri mentioned that, access to the Whitaker Middle Peak (WMP) has been made possible with the assistance of the LASD.

#### June Focus Items

Deputy Program Manager EIMasri said the focus will be finishing work at the MMC and FRP sites along with getting commercial power back at GRM and starting repair work at WMP. The MCI site still needs backup power generator permanently installed at that site.



Deputy Program Manager EIMasri concluded his report. There were no questions.

**D. Regional Interoperability Update – Technical Lead Ted Pao**

Technical Lead Ted Pao stated that after a long hiatus, on May 18, 2023, an Interoperability Work Group, created by the recipients of LA/Long Beach Urban Area Security Initiative (UASI) agencies, such as City of Los Angeles, Los Angeles Regional Interoperable Communications System (LA-RICS), LA Port Police, Los Angeles World Airport Police, and the City of Long Beach. Technical Lead Pao stated that the group received a briefing on the connections between the Interagency Communications Interoperability (ICI) and LA-RICS. Technical Lead Pao said it has already been put to use by events such as the Super Bowl at SoFi Stadium and many other events. Technical Lead Pao went on to say that this was achieved by using common Talkgroups between ICI and LA-RICS, which proved its usefulness within the region. Technical Lead Pao mentioned that an inquiry was made to MSI to initiate a gap assessment of the Inter Subsystem Interface (ISSI) connection to LA-RICS, City of Los Angeles Police Department (LAPD), Long Beach, City of Los Angeles - Port of Los Angeles, City of Los Angeles Worlds Airport (LAWA,) and ICI.

Technical Lead Pao shared that a kick-off meeting was held on June 12, 2023 with MSI and LA-RICS to identify the region's needs to make interoperability through the ISSI connections so MSI can make an engineering assessment to meet those needs. Technical Lead Pao went on to say the P25 ISSI connection was expected to be the primary method for the region's various interoperability operation, but there are other cases without a trunk network that agencies may be needed, for instance, surrounding counties, California Highway Patrol (CHP), and including State and Federal agencies. Technical Lead Pao said the last part of the meeting was to identify communication plans for interoperability among the region's Law, Fire, Emergency Medical Services (EMS), and other stakeholders which Operations Lead Lt. Weber will be spearheading.

Technical Lead Pao concluded his report. There were no questions.

**E. Spectrum and Licensing Issues Impacting Land Mobile Radio Deployment – Technical Lead Ted Pao**

Technical Lead Pao reported the Federal Communications Commission (FCC) in regards to license updates for the Tejon Peak (TPK) site, the NMDN and ACVRS have been granted by the FCC after a two (2) year review period and the licenses complete the Land Mobile Radio (LMR) and FCC license work for the system. According to an FCC engineer saying off the record, this was the most complicated licenses for a system he has ever seen. Technical Lead Pao provided an overall summary of the LMR licenses the Authority was granted by the FCC for this project:



twenty-four (24) licenses for the Channel 14 which are NMDN and twenty-five (25) Channel 15 licenses for the Ultra High Frequency (UHF) DTVRS, forty-six (46) Channel 16 licenses for the UHF DTVRS and the ACVRS and lastly, twenty-four (24) 700 MHz licenses for the seven hundred (700) Megahertz (MHz) DTVRS.

Technical Lead Pao said for the LARTCS, there are six (6) eight hundred (800) MHz, four (4) UHF, five (5) Very High Frequency (VHF) and six (6) for Low Band. Technical Lead Pao further added the total licenses for the County of Los Angeles is one hundred and forty (140), to which Technical Lead Pao applauded the MSI Engineering team and contractor EZ Spectrum, LA-RICS Technical team, ISD, FCC Regulatory Council, and the California Governor's Office of Emergency Services (Cal OES) Regulatory team on this effort.

Technical Lead Pao went on to say that interference issues with the Crown Castle management company has been contacted in relation to the Signal Hill (SGH) site and their tower stands adjacent to the SGH tower, creating a low-level band emission where the 700 MHz resides. Technical Lead Pao mentioned the Authority has adjusted to mitigate the issue and need to see a resolution to the interference where possible. Technical Lead Pao stated a testing day has been scheduled with T-Mobile, Crown Castle's South Cell at the end of June 2023 for locating the emissions source.

Technical Lead Pao added since May 2023, the LASD has transitioned the tactical communication onto LA-RICS. With the Legacy system, there is no direct way to compile the radio usage data directly. The only way to compile the usage data is through other ancillary systems, such as computer aided dispatch and console switch. Technical Lead Pao added with the new system provides much better granularity for usage data that can be obtained directly from the radio system.

Technical Lead Pao provided further details referencing presentation slides with sample data, as he went on to say how it was possible to isolate by an agency, by site, Talkgroup or radio identification, as reports could be run with various choices.

Technical Lead Pao further detailed that at the LA-RICS sites, it would possible to track the talk time of users by minutes, and hours. Technical Lead Pao went on to explain how busy the network is by how many transmissions were processed for each cell for seven hundred (700) MHz and UHF sites for May 2023.

Technical Lead Pao stated that besides the Talkgroups utilized by the LASD patrol stations, the trunk systems could also carry other none patrol units for the LASD. Slides representing the Talkgroups for none patrol usage were showed to the board 2023.

Technical Lead Pao said the new system had expanded the LASD radio channel capacity, which was restricted before. There were roughly thirty-seven (37) channels to share for all of LASD and now they can use over three hundred (300)



Talkgroups. Technical Lead Pao using slides further showed where the busiest stations were located.

Technical Lead Pao added there is a new talk group called the Metro Talkgroup shared by LASD and can be used for any kind of event going on in their jurisdictions and move off the LTAC.

Technical Lead Pao concluded his report. There were no questions.

#### **F. LA-RICS and LMR System Overview – Technical Lead Ted Pao**

Operations Chair Lt. Weber introduced Technical Lead Ted Pao.

Technical Lead Pao reintroduce the LA-RICS system to the Committees with a PowerPoint presentation showing what has been constructed. Technical Lead Pao expressed that LA-RICS is interoperability for Los Angeles through the DTVRS and is a P25 system, both UHF and 700 MHz, Phase 1 and Phase 2 with transcoder.

Technical Lead Pao said the 700 MHz frequencies are limited in the County of Los Angeles and can only run with Phase 2 transmission for capacity purpose. For UHF, the capacity can meet with Phase 1 operation but it is also capable of Phase 2 transmissions. Technical Lead Pao added the UHF and 700 MHz are connected at the core, if the user selects the correct Talkgroup, the core will handle all the transactions.

Technical Lead said the ACVRS is a simulcast system and has two (2) County Wide channels and regional coverages partitioned by the LACoFD's the Telephone Radio Operator Assignment (TRO) configurations. Technical Lead Pao mentioned other voice subsystem, LARTCS, which are countywide channels. Technical Lead Pao talked about the NMDN network, which is used for dispatch data for hard to reach spots like the mountains, canyons, and used as a stop gap for critical dispatches.

Technical Lead Pao explained the 700 MHz was made of eleven (11) simulcast cells and nine (9) non-simulcast sites, each site has ten (10) Phase 2 talk paths, it is possible to have ten (10) Talkgroups simultaneously. Technical Lead Pao showed a table for configurations on the 700 MHz cells. Technical Lead Pao said this included all sites including the three (3) Catalina sites. Technical Lead Pao showed more detail explaining what sites were part of the cells.

Technical Lead Pao showed coverage reflecting the National Angeles Forest challenges and difficulty to cover for various reasons, including terrain, permitting, road access, power etc.

Technical Lead Pao explained UHF and DTVRS has eleven (11) simulcast cells and six (6) none simulcast sites and with a minimum of ten (10) Phase 2 talk paths.



Technical Lead Pao referred to a table showing many UHF equipment is collocated with the 700 MHz sites.

Technical Lead Pao said the NMDN sites are broken into Phase 1 and 2 deployments and for Phase 1, they use the old LASD legacy mobile digital frequencies and LACoFD Blue channels for Phase 2. LACoFD Blue channels will be going away once transitioned to the LA-RICS system.

Technical Lead Pao went on to reference slide detailing the NMDN coverage, similar to the DTVRS system or the ACVRS Portable on street coverage, the TROs, LARTCS eight hundred (800) MHz, UHF and VHF portable on-street coverage and Low Band coverage, throughout the Los Angeles County Region.

Technical Lead Pao shared that LA-RICS 1U would be simulcast; and the LA-RICS 1U could be further discussed with the Committee Members.

Technical Lead Pao confirmed it would have the same Tone as well as depending on how it is used regionally or County wide. Technical Lead Pao said Lt. Weber will figure it out with the Interoperability Group, to which Operations Lead Lt. Weber agreed and said in conjunction with the LACoFD and the Working Group they will discuss.

Vice-Chair Committee Member Scott England said that was the intent of the Technical Group to understand how to use and operate them and this was an introduction to the Committee to let everyone know that there is digital, analog, mutual aid available and for everyone to become familiar with the system.

Technical Lead Pao agreed that we have many tools and capabilities now and need to figure out how to use the right tool for the job and the Working Group will review and find how to utilize these capabilities.

Operations Lead Lt. Weber added that is the technical depth of LA-RICS and the point is to discuss the possibilities on the Operations side and thanked Steve Weston for bringing those questions up.

## **VII. MISCELLANEOUS – NONE**

### **ITEMS FOR FUTURE DISCUSSION AND/OR ACTION BY THE COMMITTEE –**

Joint Technical Committee Member Vincent Capelle asked if cost would be discussed in the future. Operations Lead Lt. Weber said the Authority hopes to have an idea on cost in the near future, maybe within the next couple of months, since the Authority is working with the Joint Powers of Authority (JPA) and the County partners.



## **XII. ADJOURNMENT AND NEXT MEETING**

Operations Chair Lt. Weber concluded his reports and reminded the Committee to invite anyone from the Interoperable circles that would benefit from these open Joint Operations and Technical meetings.

Operations Lead Lt. Weber called for a motion to adjourn the Regular Joint Committee Meeting, Technical Lead Pao motioned first.

Operations Lead Lt. Weber adjourned the Regular Joint Operations and Technical Committee Meeting at 2:30 p.m. and stated the next Joint Committee Meeting will be held on Tuesday, July 18, 2023, at 1:30 p.m., at the LA-RICS Headquarters, 2525 Corporate Place, Suite 200, Large Conference Room, Monterey Park, California, 91754.




**LOS ANGELES REGIONAL INTEROPERABLE  
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2525 Corporate Place, Suite 100  
Monterey Park, California 91754  
Telephone: (323) 881-8291  
<http://www.la-rics.org>

SCOTT EDSON  
EXECUTIVE DIRECTOR

July 18, 2023

To: LA-RICS Joint Operations and Technical Committee Members  
From: Scott Edson   
Executive Director

**LAND MOBILE RADIO (LMR) UPDATE**

The purpose of this discussion item is to provide an update on the Land Mobile Radio (LMR) System with respect to Phase 2 and Phase 4.

BS:mbc

**AGENDA ITEM D**




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SCOTT EDSON  
EXECUTIVE DIRECTOR

July 18, 2023

To: LA-RICS Joint Operations and Technical Committee Members

From: Scott Edson   
Executive Director

**REGIONAL INTEROPERABILITY UPDATE**

The purpose of this item is to provide an update on the regional interoperability effort.

TP:mbc






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SCOTT EDSON  
EXECUTIVE DIRECTOR

July 18, 2023

To: LA-RICS Joint Operations and Technical Committee Members

From: Scott Edson   
Executive Director

**LMR NETWORK OPERATION STATUS AND ISSUES**

The purpose of this discussion item is to update your Board on the LMR Network operation status and issues that may be impacting LA-RICS and/or end users.

TP:mbc

**AGENDA ITEM F**




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SCOTT EDSON  
EXECUTIVE DIRECTOR

July 18, 2023

To: LA-RICS Joint Operations and Technical Committee Members  
From: Scott Edson   
Executive Director

**REVIEW OF BOBCAT FIRE COMMUNICATIONS ISSUES**

The purpose of this discussion item is to review communications issues encountered during Bobcat Fire and how LA County Fire will benefit from LA-RICS LARTCS in the future with improved radio coverage.

DC:mbc




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SCOTT EDSON  
EXECUTIVE DIRECTOR

July 18, 2023

To: LA-RICS Joint Operations and Technical Committee Members  
From: Scott Edson   
Executive Director

**LAW/FIRE UNIFIED COMMAND SCENARIOS**

The purpose of this discussion item is to discuss Unified Command scenarios in a major incident response for law and fire.

DC:mbc

**AGENDA ITEM H**