



JOINT OPERATIONS AND TECHNICAL COMMITTEE REGULAR MEETING MINUTES

LOS ANGELES REGIONAL INTEROPERABLE
COMMUNICATIONS SYSTEM AUTHORITY

Tuesday, June 20, 2023 • 1:30 p.m.

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

TECHNICAL COMMITTEE MEMBERS PRESENT:
Leslie Luke , County of Los Angeles, Chief Executive Office
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
TECHNICAL ALTERNATE COMMITTEE MEMBERS PRESENT:
Robert Weber , County of Los Angeles Sheriff's Department
TECHNICAL COMMITTEE MEMBERS ABSENT/VACANT:
Vacant , California Contract Cities Association
David Povero , At-Large Seat #8
Jeff LaGreek , At-Large Seat #9
Vacant , At-Large Seat #10

OFFICERS PRESENT:
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.

APPROVED