



AGENDA

LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

JOINT OPERATIONS & TECHNICAL COMMITTEE MEETING

Tuesday, August 25, 2015 • 10:00 a.m.

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

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

AGENDA POSTED: August 21, 2015

Complete agendas are made available for review at the designated meeting location. Supporting documentation is available at the LA-RICS Office located at 2525 Corporate Place, Suite 100, Monterey Park, CA 91754 during normal business hours and may also be accessible on the Authority’s website at <http://www.la-rics.org>.

OPERATIONS COMMITTEE

Members:

1. **Mehrdad Larijaniha**, City of Los Angeles, CAO
2. **Kevin Nida**, City of Los Angeles, Fire Dept.
3. **Horace Frank**, City of Los Angeles, Police Dept.
4. **Matias Farfan**, City of LA, Office of Chief Legislative Analyst
5. **Ted Pao**, County of Los Angeles, CEO
6. **Chris Bundesen**, County of Los Angeles, Fire Dept.
7. **Scott Edson - Chair**, County of Los Angeles, Sheriff’s Dept.
8. **Cathy Chidester**, County of Los Angeles, DHS
9. **Jose Santome**, Los Angeles School Police Dept.
10. **Chris Donovan**, Los Angeles Area Fire Chiefs Assoc.
11. **Paul Cooper – Vice Chair**, LA County Police Chiefs Assoc.
12. **Darrell George**, California Contract Cities Association
13. **VACANT** – At Large #3
14. **Paul Villalobos**, At Large #4 – Monterey Park PD

Alternates:

Martin Enriquez, City of Los Angeles Fire Dept.
Martin Enriquez, City of Los Angeles Fire Dept.
Sean Fox, City of Los Angeles Police Dept.
Cheryl Banares, City of Los Angeles CAO
Sherry Collister, County of Los Angeles CEO
Kirby Neese, Los Angeles County Fire Dept.
Alex Radovic, Los Angeles County Sheriff’s Dept.
VACANT -, County of Los Angeles DHS
George Sandoval, Los Angeles School Police Dept.
VACANT - Los Angeles Area Fire Chiefs Association
Shelly Vander Veen, LA County Police Chiefs Association
VACANT, California Contract Cities Association
VACANT
VACANT

TECHNICAL COMMITTEE

Members:

1. **Mehrdad Larijaniha**, City of Los Angeles, CAO
2. **Kevin Nida - Chair**, City of Los Angeles, Fire Dept.
3. **Tri Nguyen**, City of Los Angeles, Police Dept.
4. **Matias Farfan**, City of LA, Office of Chief Legislative Analyst
5. **Ted Pao**, County of Los Angeles, CEO
6. **Scott England**, County of Los Angeles, Fire Dept.
7. **Alex Radovic -Secretary**, County of Los Angeles, Sheriff’s Dept.
8. **Jose Betance**, County of Los Angeles, DHS
9. **Jose Santome**, Los Angeles School Police Dept.
10. **Steven Page**, Los Angeles Area Fire Chiefs Assoc.
11. **Jim Hunt**, Los Angeles County Police Chiefs Assoc.
12. **Phil Wagner**, California Contract Cities Association.
13. **VACANT** – At Large #3
14. **Elliot Kase**, At Large #4 – Alhambra Police Department

Alternates:

Martin Enriquez, City of Los Angeles Fire Dept.
Martin Enriquez, City of Los Angeles Fire Dept.
Sean Fox, City of Los Angeles Police Dept.
Cheryl Banares, City of Los Angeles CAO
Sherry Collister, County of Los Angeles CEO
VACANT, Los Angeles County Fire Dept.
Al Ortega, Los Angeles County Sheriff’s Dept.
VACANT -, County of Los Angeles DHS
George Sandoval, Los Angeles School Police Dept.
Eric Zanteson, Los Angeles Area Fire Chiefs Association
Jim Emmett, LA County Police Chiefs Association
VACANT, California Contract Cities Association
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Officers:

Patrick Mallon, Executive Director
Susy Orellana-Curtiss, LA-RICS Project Team



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

I. CALL TO ORDER

II. ANNOUNCE QUORUM – Roll Call

III. APPROVAL OF MINUTES (A)

A. January 13, 2015 – Special Meeting Minutes

Agenda Item A

IV. REPORTS (B)

B. Director's Report – Pat Mallon

- Funding Plan Status
- LTE Project Status
- LMR Project Status
- Grant Status

V. NEW BUSINESS (C – F)

C. PSBN Status

D. Security Planning

E. Operational / Training Planning

F. Agency Onboarding Planning



VI. ACTION ITEM (G)

- G. REVIEW THE DRAFT MEMORANDUM OF UNDERSTANDING (MOU) BETWEEN ICIS AND LA-RICS AND MAKE RECOMMENDATIONS TO THE BOARD.

Agenda Item G – Enclosure 1& 2

VII. ADMINISTRATIVE MATTERS – (None)

VIII. MISCELLANEOUS – (None)

IX. PUBLIC COMMENTS

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

XI. ADJOURNMENT AND NEXT MEETING:

Tentatively scheduled for Tuesday, September 22, 2015, at 10:00 a.m., at the LA-RICS Headquarters, 2525 Corporate Pl., Large Conference Room, Monterey Park, CA 91754.



COMMITTEE MEETING INFORMATION

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

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

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

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

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

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



MINUTES

LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

SPECIAL JOINT COMMITTEE MEETING

(OPERATIONS • TECHNICAL)

January 13, 2015 • 9:00 a.m.

LA-RICS Headquarters, Large Conference Room
2525 Corporate Pl., Monterey Park, CA 91754

Operations Official Voting Members Present:

Mehrdad Larijaniha, representative for City of Los Angeles ITA-CAO
Kevin Nida, representative for the City of Los Angeles Fire Department
Bob Davis, representing Horace Frank, for the City of Los Angeles Police Department
Joshua Drake, representative for City of Los Angeles, Chief Legislative Analyst
Ted Pao, representative for the County of Los Angeles ISD
Kirby Neese, representing Chris Bundesen for County of Los Angeles Fire Department
Scott Edson, Chair, representative for County of Los Angeles Sheriff's Department
Joe Betance, representing Cathy Chidester for County of Los Angeles, EMS
Paul Villalobos, representative for Monterey Park Police Department, At Large Seat #4

Operations Official Voting Members Absent:

Jose Santome, representative for City of Los Angeles School Police Department
Scott Ferguson, representative for Los Angeles Area Fire Chiefs Association
Paul Cooper, Vice Chair, representative for Los Angeles County Police Chiefs Association
Darrell George, representative for the California Contract Cities Assoc.
VACANT, At Large Seat #1
Milt McKinnon, representative for the Culver City Police Department, At Large Seat #2
VACANT, At Large Seat #3
VACANT, Seat #10

Technical Official Voting Members Present:

Mehrdad Larijaniha, representative for the City of Los Angeles ITA-CAO
Kevin Nida, Chair, for the City of Los Angeles Fire Department
Tri Nguyen, representative for the City of Los Angeles Police Department
Matias Farfan, representative for the City of Los Angeles, Chief Legislative Analyst
Ted Pao, representative for the County of Los Angeles ISD
Scott England, representative for the Los Angeles County Fire Department

AGENDA ITEM A



Alex Radovic, Secretary, representative for the Los Angeles Sheriff's Department
Joe Betance, representing Cathy Chidester for County of Los Angeles, EMS
Rick Beck, representative for the Los Angeles Unified School District
Steven Page, representative for the Los Angeles Area Fire Chiefs Association
Steve Hronek, representative for Los Angeles County Police Chiefs Association
John Oropeza, representing Phil Wagner for the California Contract Cities Association

Technical Official Voting Members Absent:

VACANT, Seat #10
VACANT, At Large Seat #1
VACANT, representative for the California Contract Cities Association, At Large Seat #2
VACANT, At Large Seat #3
Elliot Kase, representative for the City of Alhambra Police Department, At Large Seat #4

Others Present:

Pat Mallon, LA-RICS Executive Director
Susy Orellana-Curtiss, LA-RICS Administrative Manager
Joe Ross, Televote
Steve Sidore, Televote



- I. CALL TO ORDER - Committee Chair Kevin Nida called the meeting to order.
- II. ANNOUNCE QUORUM – Chair Scott Edson and Chair Kevin Nida took roll call for each Committee both having reached quorum.
- III. APPROVAL OF MINUTES – Motion approved for the previous Minutes
- IV. CONSENT CALENDAR – None
- V. REPORTS - None
- VI. DISCUSSION ITEMS –
 - A. Long Term Evolution (LTE) Connectivity Status.
 - 1. Public Safety Enterprise Network (PSEN) to PSBN Connectivity Status and Next Steps. (Refer to power point document presented by Steve Sidore, Consultant from Televate.)

Steve Sidore responded to Chair Edson’s question regarding whether or not AT&T and Verizon would be the core to the UE.

Scott England asked if we can keep our network and use it as a pipe. Steve Sidore responded yes.

Steve Sidore responded to Ted Pao’s question that PSBN would not put in any internet access unless it is for remote operation, on a private basis and will be accessible via VPN.

Joe Ross added that agencies will have the control over internet usage.

Mehrdad Larijaniha commented on the PSEN that the PSBN must be built first before connectivity to PSEN is considered to each agency.

Tri Nguyen asked if Verizon and AT&T will co-exist with PSBN at the same time. Steve responded yes. The user equipment actually supports more than one carrier, the primary carrier will be Band 14 for the PSBN and the second carrier like AT&T or Verizon.



B. LTE User Equipment (UE) Status

1. RFSQ Status and Next Steps – (Refer to document presented by Joe Ross from Televate.)

Chair Edson asked Joe Ross if LA-RICS anticipates member agencies will have their own account like with Verizon and an account with Band 14, for roaming agreement and bill member agencies for the use of LA-RICS devices or is it necessary to have a full blown account on the Verizon side.

Director Mallon stated that within the contract with Motorola, they did partner with Verizon for roaming capability. They received some pricing information but need to solidify that. The Board has to decide if the price is advantageous to the members of the Authority and if so, how that will be averaged out. He added that they were also looking to FirstNet, which was investigating the same kind of relationship with one or more carriers, but have not received any information from them.

Joe Ross said in terms of major a decision for LA-RICS, they have to decide on who will provide the SIMS, or the two parts of the device, the UE and UICC. The RFSQ is in the final stages and is out for review by the team and we hope to get it out by the middle of February before the BTOP window closes.

Mehrdad asked when is the drop dead date to release the RFSQ? Joe Ross said no later than beginning of February.

Jeanette Arismendez clarified that LA-RICS will be issuing these work orders on behalf of agencies and there would be a master agreement with LA-RICS, but it will be a very stream-lined process and not nearly as complex as a long-drawn out solicitation.

2. Device and UICC Logistics and Provisioning Status and Next Steps
(Refer to document presented by Steve Sidore.)

Director Mallon suggested that with regard to Provisioning Services, the Committee recommend the establishment of some protocols on what kind of priority is needed to give to first, second and third tier responders. Input from the Committee members is needed to establish provisioning to avoid agencies having to individually establish their own hierarchy of protocol.

Chair Nida suggested developing a Working Group that could work with Televate and come up with recommendations for the Committee. He also mentioned that what they need from Televate is a list of all the issues and their recommendations and rationale behind it.

Mehrdad Larijaniha commented that no option can be recommended for the device and UICC logistics due to lack of Operations' input at this time. Also, that this is pending the "OMA-DM" capability.



Bob Davis asked if this will also apply with the devices in response vehicles via law enforcement. Those devices would need some type of changes like new routers to be able to use the system.

Steve Sidore responded that to be able to use Band 14 it will need new routers in the vehicles since none of the existing routers are upgradable.

Director Mallon added that there is a hard match requirement for the grant. User equipment is applicable to hard match if it is acquired during the grant performance period. If it is acquired in October we still have to come up with other match to make up the 10% hard match required.

C. LTE Special Operations Test Status and Next Steps
(Refer to the document presented by Steve Sidore.)

Joe Ross commented that there is a full system acceptance testing.

Mehrdad Larijaniha stated that the tentative date on the grant chart is April 2015, which may be unlikely to meet.

D. Public Safety Broadband Network (PSBN) Overview and Radio Frequency Emissions Safety (Refer to presentation made by Joe Ross.)

Joe Ross responded to Chair Nida that Motorola is doing some modeling for the stations. They want it to occur in extremely low levels, which is fifty times lower than FCC limits.

Pat Mallon indicated that the Fire Union demanded that the Authority do modelling at every station before any installation. They don't have time for that to be able to complete within the time frame of the grant and must do modeling as a parallel activity.

Jim Hardimann added that modelling takes about two to three weeks. You will not see substantial differences. Once the system is implemented they will do the actual measurements at the site. They already did sample modelling for ten sites for Conditional Use Permits. They did an analysis for LMR and LTE antennas on the same sites and they are all well below FCC established levels.

Mehrdad Larijaniha commented that the most concerning scenario would be for the roof-top installations at the public safety facilities where the staff stationed at the facility would need to spend significant time(s) on the roof-top, and thus being exposed to the RF radiation, at close range, for a long duration. Joe Ross added that it is the most concerning scenario.



VII. ADMINISTRATIVE MATTERS

A. Lack of Frequencies for Land Mobile Radio System

Pat Mallon discussed all the options to consider in resolving the problem with lack of frequencies for LMR, (Agenda Item E).

Chair Edson asked if there are any agency members who know they have frequencies and if they would be interested in providing.

Member Larijaniha stated that we should generate an operationally driven fleet map and not a technically driven one. He went on to state that the operational requirements; i.e. as a minimum, the number of talk-groups for each agency, number of radio units in each talk-group(s), and further defining which talk-groups would need to communicate with each other, would set the foundation for how many frequencies are needed in Motorola's designed architecture to satisfy the operational need(s).

Chair Edson mentioned that there are some contractual issues and a grant-funding deadline that is driving these decisions. He added if we had time to do something like this at this point or do we really have to push forward the decisions here for grant reasons.

Susy Orellana-Curtiss said the design deliverables was supposed to be completed December of 2014. They were asked by the Grant Administrator to provide an explanation for the delay of the completion of design deliverables. She added that at this point, if we had to wait for the final count of who is in and out, we put the performance period, not only design deliverables, but all other items within the grace period of 2011 and 2012 grants at risk.

Chair Nida said that we have to convene the working group within a week or two, because one of the concerns is the finance plan.

Susy Orellana-Curtiss said on the finance side, the discussion is do we build for member agencies only or do we build with the subscribers that we count on incorporating into the system as well? The members and the Authority are counting on subscribers' participation to alleviate the cost, so do we build for subscribers inclusions or do we build for membership contemplated only?

Director Mallon added that the idea of a working group would be beneficial. The bottom line is, contractually, a minimum of six channels per cell is needed for Motorola to move forward to complete their preliminary design and meet their contractual requirements.

Chris Odenthal said the number of sites will remain the same. They may reduce the amount of equipment to be deployed on those sites or reconfigure the cells that link the sites together. He added that from the contractual perspective, Motorola requires (85) sites. Members are not obligated to buy every piece of equipment that Motorola has



said is required in every single site. Ultimately, the Authority is responsible for paying whatever equipment gets ordered. The request is we need two frequencies to continue and wrap the design review process that Motorola is working on for the last 18 months. He added that the outstanding piece in the system design is the 700 MHz frequency plan.

Jim Hardimon added that from a design perspective, it is much better having all channels in and knowing what you have, then you can take it out versus the other way around.

Chris Odenthal and Jim Hardimon agreed that fleet mapping is absolutely necessary.

Chair Edson asked to defer the decision for another two weeks since no one is committing to put in the necessary six channels. He suggested having an emergency meeting prior to the JPA Board meeting on February 5, 2015.

Mehrdad Larijaniha added that we want to make sure that the system will be built to customer satisfaction and it is prudent to do that now to minimize any issues down the line. He added that they have a core group that deals on the design and all other members are welcome to attend.

Chair Nida commented that the working group will follow the same format we had in the past.

Chair Edson asked who will take the lead in setting up the working group and make sure the right invitations are sent out.

Chris Odenthal responded that PM team will address it.

Mehrdad Larijaniha made a motion to continue with the working group and Steve Hronek made the second.

Chair Nida said the committee will develop a working group and keep everybody informed of the progresses.

Chair Edson made a comment that if you have frequencies, please go back to your organizations and see if you can make a decision whether you can commit them or not.

VIII. PUBLIC COMMENT - None

IX. ADJOURNMENT AND NEXT MEETING: Motion to adjourn was called by Chair Nida and motion was approved.

MEMORANDUM OF UNDERSTANDING BETWEEN LA-RICS AND ICIS

1. This Memorandum of Understanding (MoU) is entered into by the Joint Powers Authority (JPA) for the Los Angeles Regional Interoperable Communications System (LA-RICS) and the JPA for the Interagency Communications Interoperability System (ICIS) in order to further the goal of achieving Land Mobile Radio (LMR) interoperability for all first responder agencies operating in the County of Los Angeles.
2. The overall LMR goal for both LA-RICS and ICIS is that radios used by first responders in Los Angeles County (the County) should work and be able to communicate, as needed, on a channel or frequency, with any and all other first responders operating in the County, without patches or other cumbersome workarounds.
3. The consequences of not achieving LMR interoperability will be profound, especially during and following a large-scale disaster or terrorist attack within the County. Interoperability will likely save lives. It will also facilitate mutual aid requests and response to law enforcement and fire emergencies that cannot be handled by and/or go beyond the capacity of one jurisdiction or which implicate multiple jurisdictions within the County.
4. LA-RICS has contracted for and is in the process of building a county-wide LMR interoperable system.
5. ICIS was formed in 2003 to govern the development of an LMR interoperable system within Los Angeles County for member and subscribing agencies.
6. The LA-RICS LMR system will be based on the installation of communication facilities at new and existing monopole and lattice tower and roof top sites throughout the County.
7. The ICIS LMR system is a system of systems. It links existing LMR systems in the member cities of ICIS by trunking repeater towers owned and maintained by member cities and linking them to a Central Switch or Master Site located in Glendale.
8. Limited funding is available to achieve the region's goal of interoperability. To be effective, efficient, and responsible with the funding available, it is necessary to

maximize uses of existing infrastructure and the uses of the infrastructure that is planned to be built.

9. It is in the best interests of both LA-RICS and ICIS to achieve an overarching LMR system that enables first responders in the County immediately to communicate via radio, as and when needed and pursuant to appropriate protocols, on a dedicated channel or frequency, with radios being used by any and all other first responders in the County, without patches or work arounds.
10. Therefore, both LA-RICS and ICIS, through their respective governing boards, mutually agree to the following:
 - a. The goal of achieving an overarching LMR system will be achieved by adopting a “system of system” (SoS) approach. A SoS will build on existing P-25 compliant systems and avoids unnecessary duplication of repeater towers and central switches. Under a SoS, cities and entities with existing systems will continue to own, control and maintain them and will make them available to all other members and participants as part of the larger County-wide interoperable system.
 - b. As part of the SoS approach, ICIS and LA-RICS, as soon as the latter becomes operational, will be integrated or linked to create interoperability.
 - c. This MoU may be amended as needed to include any cities and entities desiring to integrate or link their systems as part of the SoS approach.
 - d. A joint technical committee of LA-RICS and ICIS will be formed immediately, but no later than thirty (30) days hereof, and tasked to study and determine the best technical design to accomplish an integration of the two systems to create interoperability across the County. The joint technical committee will be selected by the JPA Chair, on behalf of LA-RICS, and by the Executive Director of ICIS, on behalf of ICIS. Each will select up to three (3) technical representatives.
 - e. Because a significant portion of the region’s interoperability effort is being funded through the Urban Area Security Initiative (UASI) grants, the technical committee will be chaired by a designee of the UASI Approval Authority. At this time, the Approval Authority’s designee is the Honorable Robert C. Bonner. Should for any reason Judge Bonner not be able to

fulfill these responsibilities, the Approval Authority shall designate an alternate.

- f. The joint technical committee shall involve the LA-RICS contractor, Motorola Solutions, in their discussions, as needed to define the process and timeline for integration. Judge Bonner (or the Approval Authority's designee) shall provide written updates regarding the progress of the joint technical committee to the Approval Authority.
- g. The joint technical committee will develop a report containing its recommended integration plan. The plan shall include a timeline that jointly identifies and prioritizes recommended design, equipment, and installation needs. The joint technical committee shall provide their report and recommendation to the JPA boards of LA-RICS and ICIS within 90 days of the effective date of this MOU. Judge Bonner shall approve the recommended integration plan and present it to the Approval Authority.

This memorandum of understanding is effective on _____, 2015.

THE LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS
SYSTEM AUTHORITY

THE INTERAGENCY
COMMUNICATIONS
INTEROPERABILITY SYSTEM

A California Joint Powers Authority

A California Joint Powers Authority

By: _____
Print Name:
Its:

By: _____
Print Name:
Title:

MEMORANDUM OF UNDERSTANDING BETWEEN LA-RICS AND ICIS

1. This Memorandum of Understanding (MoU) is entered into by the Joint Powers Authority (JPA) for the Los Angeles Regional Interoperable Communications System (LA-RICS) and the JPA for the Interagency Communications Interoperability System (ICIS) in order to further the goal of achieving Land Mobile Radio (LMR) interoperability for all public safety~~first responder~~ agencies operating in the County of Los Angeles.
2. The overall LMR goal for both LA-RICS and ICIS is that radios used by first and second responders in Los Angeles County (the County) should work and be able to communicate, as needed, on a channel or frequency or talk groups, with any and all other first and second responders operating in the County, without patches or other cumbersome workarounds.
3. The consequences of not achieving LMR interoperability will be profound, especially during and following a large-scale disaster or terrorist attack within the County. Interoperability will likely save lives. It will also facilitate mutual aid requests and response to law enforcement and fire emergencies that cannot be handled by and/or go beyond the capacity of one jurisdiction or which implicate multiple jurisdictions within the County.
4. LA-RICS has contracted for and is in the process of building a county-wide LMR interoperable system.
5. ICIS was formed in 2003 and is an existing County-wide operating system to govern the development of an LMR interoperable system within Los Angeles County for member and subscribing agencies. ICIS has been fully operational since 2004 and is an existing single-platform Project 25 digital trunked LMR system operating throughout the county in support of thirty-seven public safety agencies and twenty three 9-1-1/Dispatch Centers. ICIS members - and cities actively migrating to ICIS membership - are optimizing existing interoperable system cells, and replacing non-interoperable system sites, through the installation of upgraded communications equipment at existing towers and rooftop locations.
6. The LA-RICS LMR system will be based on the installation of communication facilities at new and existing monopole and lattice tower and roof top sites throughout the County.

7. The ICIS LMR system is a system of like systems. It links existing LMR systems in the member cities of ICIS by trunking repeater towers owned and maintained by member cities and linking them to a Central Switch or Master Site located in Glendale. Each member maintains its own system cell on a platform that is standardized to the ICIS system and employs the same technologies.
8. Limited funding is available to achieve the region's goal of interoperability. To be effective, efficient, and responsible with the funding available, it is necessary to maximize uses of existing infrastructure and the uses of the infrastructure that is planned to be built.
9. It is in the best interests of both LA-RICS and ICIS to achieve an overarching LMR system that enables first responders in the County immediately to communicate via radio, as and when needed and pursuant to appropriate protocols, on a dedicated channel or frequency or talk group, with radios being used by any and all other first responders in the County, without patches or workarounds~~work-arounds~~.

10. The purpose of this joint system access agreement is to establish interoperability for purposes of essential communications during the course of official public safety operations and field emergencies. Resources of either system shall not routinely roam into nor operate upon the others network in a manner that unnecessarily adversely affects a cells loading capacity. Systems may restrict the access to and loading of their network on a cell by cell basis at the discretion of the system cell owner in order to preserve essential capacity and capability.

~~10-11.~~ Therefore, both LA-RICS and ICIS, through their respective governing boards, mutually agree to the following:

- a. The goal of achieving an overarching LMR system will be achieved by adopting a "system of system" (SoS) approach. A SoS will build on existing P-25 compliant systems and avoids unnecessary duplication of repeater towers and central switches. Under a SoS, cities and entities with existing systems will continue to own, control and maintain them and will make them available to all other members and public safety agency participants as part of the larger County-wide interoperable system by means of interfacing and integration technologies. System owners may employ reasonable and appropriate system loading limitations necessary to ensure said access does not interfere with that system's vital operations. Access to and sharing of existing systems will be via

interfaces and integration agreed to by both the LA-RICS and ICIS governance bodies.-

- b. As part of the SoS approach, ICIS and LA-RICS, as soon as the latter becomes operational, will be integrated, interfaced, or linked to create interoperability. For purposes of this agreement, integrated, interfaced, or linked means the technological joining of both the LA-RICS and ICIS LMR systems to effectively enable the systems to operate as a single platform for purposes of interoperability, as well as the policy level approval of cross-platform radio programming, talk group access, and encryption sharing.-or linked to create interoperability.
- c. This MoU may be amended as needed to include any cities and entities desiring to integrate or link their systems as part of the SoS approach to either the LA-RICS or ICIS platform.
- d. A joint technical committee of LA-RICS and ICIS will be formed immediately, but no later than thirty (30) days hereof, and tasked to study and determine the best technical design to accomplish an integration or linking of the two systems to create interoperability across the County. The joint technical committee will be selected by the JPA Chairs of LA-RICS~~LA-RICS~~ and ICIS. Each will select up to three (3) technical representatives. The joint technical committee shall function as an advisory body to the Urban Area Security Initiative (UASI) Approval Authority.
- e. Because a significant portion of the region's interoperability effort is being funded through the UASI~~Urban Area Security Initiative (UASI)~~ grants, the technical committee will be chaired by a designee of the UASI Approval Authority. At this time, the Approval Authority's designee is the Honorable Robert C. Bonner. Should for any reason Judge Bonner not be able to fulfill these responsibilities, the Approval Authority shall designate an alternate.
- f. The joint technical committee shall involve representatives of the LA-RICS and ICIS contractor, Motorola Solutions, in their discussions, as needed to define the process and timeline for integration. Judge Bonner (or the Approval Authority's designee) shall provide written updates regarding the progress of the joint technical committee to the Approval Authority.

- g. The joint technical committee will develop a report containing its recommended integration, interface, or linking plan. The plan shall include a timeline that jointly identifies and prioritizes recommended design, equipment, and installation needs. The joint technical committee shall provide their report and recommendation to the JPA boards of LA-RICS and ICIS for their approval within 90 days of the effective date of this MoU. Judge Bonner shall approve the recommended integration plan and present it to the Approval Authority.

This memorandum of understanding is effective on _____, 2015.

THE LOS ANGELES REGIONAL
INTEROPERABLE COMMUNICATIONS
SYSTEM AUTHORITY

THE INTERAGENCY
COMMUNICATIONS
INTEROPERABILITY SYSTEM

A California Joint Powers Authority

A California Joint Powers Authority

By: _____
Print Name:
Its:

By: _____
Print Name:
Title: