



# AGENDA

## LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

### BOARD OF DIRECTORS MEETING

Thursday, January 7, 2016 • 9:00 a.m.  
County of Los Angeles Sheriff's Department  
Scientific Services Bureau  
1800 Paseo Rancho Castilla, BACA Room,  
Los Angeles, CA 90012

Los Angeles Regional Interoperable Communications System Authority (the "Authority")

#### **AGENDA POSTED: December 31, 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>.

---

#### **Members:**

1. **Jim McDonnell**, Chair, Sheriff, County of Los Angeles Sheriff's Dept.
2. **Daryl L. Osby**, Vice-Chair, Fire Chief, County of Los Angeles Fire Dept.
3. **Sachi Hamai**, CEO, County of Los Angeles
4. **Cathy Chidester**, Dir., EMS Agency, County of LADHS
5. **Bill Walker**, Fire Chief, City of Alhambra Fire Dept.
6. **Larry Giannone**, Chief of Police, City of Sierra Madre Police Dept.
7. **Mark R. Alexander**, City Manager, CA Contract Cities Assoc.
8. **Kim Raney**, Chief of Police, City of Covina Police Dept.

#### **Alternates:**

**Dean Gialamas**, Division Dir., County of Los Angeles Sheriff's Dept.  
**Chris Bundesen**, Asst., Fire Chief, County of Los Angeles Fire Dept.  
**Tom Tindall**, Director, CEO, County of Los Angeles  
**Karolyn Fruhwirth**, Asst., Dir., EMS Agency, County of LADHS  
**Chris Donovan**, Fire Chief, City of Monrovia Fire Dept.  
**Joe Ortiz**, Captain, City of Sierra Madre Police Dept.  
**Sam Olivito**, Executive Dir., CA Contract Cities Assoc.  
**David Povero**, Captain, City of Covina Police Dept.

---

#### **Officers:**

**Patrick Mallon**, Executive Director  
**John Naimo**, County of Los Angeles Auditor-Controller  
**Joseph Kelly**, County of Los Angeles, Treasurer and Tax Collector  
**Priscilla Lara**, Board Secretary



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

**I. CALL TO ORDER**

**II. ANNOUNCE QUORUM – Roll Call**

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

A. December 17, 2015 – Special Meeting Minutes

Agenda Item A

**IV. PUBLIC COMMENTS**

**V. CONSENT CALENDAR – (None)**

**VI. REPORTS (B-D)**

B. Director's Report – Pat Mallon

- LTE Project Status
  - LTE Environmental Status
  - LTE Construction Status
  - LTE Contract Status
- LMR Project Status
  - LMR Environmental Status
  - LMR Contract Status

C. Project Manager's Report – Pat Mallon

Agenda Item C

D. Grant Status Report – Pat Mallon



**VII. DISCUSSION ITEMS (E)**

E. Outreach Update

Agenda Item E

**VIII. ADMINISTRATIVE MATTERS (F)**

**F. 2016 VENUE CHANGE OF LA-RICS BOARD MEETINGS**

It is recommended that your Board:

Set the new Venue location of the County of Los Angeles Sheriff's Department Scientific Services Bureau for the Calendar year 2016 Board Regular Meetings.

Agenda Item F

**IX. MISCELLANEOUS – (None)**

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

**XI. CLOSED SESSION REPORT**

1. PUBLIC EMPLOYEE PERFORMANCE EVALUATION  
(Government Code Section 54957(b)(1))  
Title: Executive Director
2. PUBLIC EMPLOYMENT  
(Government Code Section 54957(b)(1))  
Title: Executive Director
3. CONFERENCE WITH LABOR NEGOTIATORS  
(Government Code Section 54957.6)

**XII. ADJOURNMENT and NEXT MEETING:**

Thursday, February 4, 2016, at 9:00 a.m., at the County of Los Angeles Sheriff's Department, Scientific Services Bureau, located at 1800 Paseo Rancho Castilla, Los Angeles, CA 90012.



## BOARD MEETING INFORMATION

Members of the public are invited to address the LA-RICS Authority Board on any item on the agenda prior to action by the Board on that specific item. Members of the public may also address the Board on any matter within the subject matter jurisdiction of the Board. The Board 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 Board'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 Board are urged to complete a Speaker Card and submit it to the Board 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 Board Secretary prior to final consideration of the matter.

It is requested that individuals who require the services of a translator contact the Board 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.



# **BOARD OF DIRECTORS SPECIAL MEETING MINUTES**

**LOS ANGELES REGIONAL  
INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY**

December 17, 2015  
Kenneth Hahn Hall of Administration  
500 West Temple Street, Conference Room 743  
Los Angeles, CA 90012

---

**Board Members Present:**

**Sachi Hamai**, Chair, CEO, County of Los Angeles  
**Daryl L. Osby**, Fire Chief, County of Los Angeles Fire Dept.  
**Jim McDonnell**, Sheriff, Los Angeles County Sheriff's Dept.  
**Cathy Chidester**, Director, EMS Agency, County of Los Angeles Department of Health Services  
**Bill Walker**, Fire Chief, City of Alhambra Fire Dept.  
**Larry Giannone**, Chief of Police, City of Sierra Madre Police Dept.  
**Mark R. Alexander**, City Manager, CA Contract Cities Assoc.

---

**Alternates For Board Members Present:**

---

**Officers Present:**

**Patrick Mallon**, LA-RICS Executive Director

---

**Absent:**

**Kim Raney**, Chief of Police, City of Covina Police Dept.

**AGENDA ITEM A**



**I. CALL TO ORDER**

Chair Sachi Hamai called the Special meeting of the Board to order.

**II. ANNOUNCE QUORUM – Roll Call**

Chair Hamai acknowledged that a quorum was present and asked for a roll call.

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

**A. November 5, 2015 – Regular Meeting Minutes**

Chair Hamai asked for a motion to approve, Board Member Jim McDonnell motioned first, seconded by Board Member Larry Giannone. The Board's consensus was unanimous.

Ayes 7: Hamai, Osby, McDonnell, Chidester, Walker, Giannone, and Alexander.

**MOTION APPROVED.**

**IV. PUBLIC COMMENTS – (None)**

**V. CONSENT CALENDAR – (None)**

**VI. REPORTS (B-D)**

**B. Director's Report – Pat Mallon**

Long Term Evolution (LTE) Project Status

Executive Director Pat Mallon stated we are continuing our effort to activate the LTE system by December 31, 2015, in support of the Pasadena Rose Parade utilizing a total of 5 sites. This deployment will include streaming video from some 15 cameras both mobile and fixed and approximately 90 hand held devices deployed with sector supervisors to support situational awareness. We will report on this deployment at your January meeting.

We have been working with Motorola over the past several weeks to resolve claims or additional compensation arising out of change orders for the construction work. That agreement is before you today for your consideration.

We have been in constant communication with the National Telecommunication and Information Administration (NTIA) to clarify a path forward on any work that can be undertaken via the Grant extension approved by Congress on September 30<sup>th</sup>. We have nothing to offer at this juncture as NTIA is still determining their roll under the extension. I will keep you posted on our progress in this regard.



Chair Hamai asked Executive Director Mallon if we submitted a grant request for the additional \$37 million. Administrative Deputy Orellana-Curtiss stated NTIA instructed us not to do so at this time, they were still evaluating what their grant guidance would be.

#### LTE Construction Status

Construction status of fixed LTE sites was concluded, with 63 sites completed. 14 of the Cell on Wheel (COW) have been deployed at 10 at SCE sites, 2 at County of Los Angeles Water Works sites, 1 at the Sheriff's STAR Center, 1 COW is in place at the California Highway Patrol (CHP) station in Woodland Hills. Activation of the COWs are pending completion of power connection. The last of the 15 COWS will be held as a Deployable and available for response as needed. Testing and optimization is ongoing with shakedown of approximately half of all sites completed by end of week. Cluster tuning will begin this week, with a total of 8 clusters in the system.

#### LMR Environmental Status

Discussions with FEMA and the City of Los Angeles are continuing relative to the Environmental Impact Analysis. Just yesterday our Programmatic Environmental Assessment was submitted to FEMA, and expect environmental clearance in February 2016. We are conducting outreach to the federal agencies on whose land we are proposing LMR installations. The Forest Service has been a good partner thus far, and is interested in using the LMR System.

#### LMR System Design

The opting out of the City of Los Angeles from the LMR system has changed the landscape of system capacity requirements particularly within the City. As a result of this change, we will be undertaking a review of system capacity requirements, and where possible reducing the size of the system. As previously mentioned, the coverage requirements of the system has not significantly changed. The review will also evaluate the need for inclusion of Los Angeles City owned sites versus those owned by the County or other member cities.

On December 9th, a meeting of the Oversight Committee was held telephonically to consider Amendment No. 15 to the LMR contract to provide project descriptions on 11 sites. The Committee approved the \$128,414 increase in the Motorola contract to provide this service. Your agenda today includes your consideration of Amendment No. 16 to regarding the system redesign as well as the dropping of some 31 sites and adding 17 alternate sites and relocation of Core 2 to a member facility.



### Membership Status

During the month of November, and as anticipated, we received a number of notices of withdraw. A recap of the impact on membership resulting from all cities that have withdrawn is reflected in Agenda Item E.

The financial net effect to those members electing to remain is no increase to their obligation as the County has offered for now to cover any shortages beyond the October 8<sup>th</sup> Funding Plan update. It is interesting to note that while the membership of the Authority has been reduced to 23 members (20 Cities, 1 School District, one University and the County), the service area required of the LA-RICS systems remains relatively unchanged. Due to number of cities remaining as well as those receiving law enforcement service as a contract city for the Sheriff's Department and fire services as a County Fire District or under the County Fire Department's Fee for Service program, the LA-RICS LMR system coverage requirement remains at approximately 83% of the County's 4,000+ square miles. That includes approximately 43% of the County-wide population. But, there is also a requirement for continued coverage in the remaining 17% of the County area as the Sheriff's Department provides many services within that area through their contract with the MTA and Community Colleges. They also provide Court support services in all areas of the County.

Chair Hamai stated the County of Los Angeles is at 47.12% as of October 8, 2015, and is based on the previous funding agreement; however, she confirmed that the percentage amount is higher because the County will be picking up the difference of the cities that have opted-out.

Executive Director Mallon proceeded with his report and stated County Fire and the Sheriff's Department also provide mutual aid to those cities that are no longer members of the Authority and their systems do not have the capacity to support the additional load during the mutual aid incidents. Many of the cities relying on County Fire for mutual aid do not support an Analog Conventional Voice Radio System that supports direct radio to radio communications. The County also provides for regional interoperability for public safety responders from neighboring counties and State agencies under the LARTAC program. That system must also cover all 4,000+ sq. miles of the County area. Support of the Emergency Medical Services also does not cease at the borders of the Cities that have opted out.

Coverage from the LTE system also does not stop at the boundaries of Cities that have opted out as we must offer a subscription model for all public safety entities under our Spectrum Lease Agreement at the local and state level and to our federal partners as well. The net effect of the changed landscape of the Authority does not change substantially in our coverage service requirement.





C. Project Manager's Report – Pat Mallon

The Jacobs Project Management Report and Motorola Monthly Report are included in your package as Agenda Item C.

D. Grant Status Report – Pat Mallon

Subsequent to your November meeting, the UASI Approval Authority voted to de-obligate approximately \$11 million in UASI '11 funds and transfer that earmark to the ICIS system. On December 11<sup>th</sup>, the Approval Authority reconsidered that action and restored that earmark to LA-RICS. We expect to gain a FEMA Finding of No Significant Impact during February and proceed with Notices to Proceed to supply and install equipment. With that, we will fully exhaust all UASI '11 funds within the performance period of the grant, as well as begin expending the UASI '12 and '13 grants.

As previously reported, we have sought an answer to the question of supplanting under the UASI grant program from the Los Angeles City grant administrators, CalOES and FEMA, formally seeking clarification in June 2015. We received a request for additional information from CalOES, the grant administrator at the State level, and will provide that information on or before the deadline of December 24, 2015.

Board Member Osby asked if there's an effort on our end to reach out to Long Beach to collaborate with their system. Board Member Osby understanding is Long Beach is building an LMR system and he wanted to know if the Authority was looking at opportunities to collocate on Long Beach's infrastructure or at their sites. Executive Director Mallon stated if they have capacity we can operate on their channels. Board Member Osby stated we have an issue with coverage in the South Bay and Long Beach is a good example of connecting with their system. Executive Director stated yes we are looking into working with Long Beach.

Following the Director's Report, Chair Hamai took up Item H – Elections of the Chairperson & Vice-Chairperson. Please see Section H.

**VII. DISCUSSION ITEMS (E-G)**

E. Status of Membership

The purpose of this discussion item is to update your Board on the remaining LA-RICS members and corresponding impact on the Adopted Funding Plan.



#### F. Replacement of Oversight Committee Member

It is recommended that the Chair of the Board fill the Oversight Committee seat, for the purpose of continued monitoring of change orders, amendments, completion of Tasks, Subtasks, Deliverables and Milestones, or any deviation thereof, as it relates to the LMR and LTE contracts. The replacement member should not be someone representing the County or the Contract Cities, who currently already serve on the Oversight Committee.

Members who are interested in serving on the Oversight Committee should notify the Chair.

#### G. Outreach Update

The purpose of this discussion item is to update your Board on the status of outreach pertaining to the Land Mobile Radio (LMR).

### VIII. ADMINISTRATIVE MATTERS (H-P)

#### H. ELECTIONS OF THE CHAIRPERSON AND VICE-CHAIRPERSON

[THIS ITEM WAS HEARD FOLLOWING THE DIRECTOR'S REPORT.]

In light of the recent changes in Authority membership and Board composition following the November 24, 2015, opt-out date, the Board should consider whether to take action to elect a new Chair and Vice-Chair of the JPA. Any Chair and Vice-Chair that would be elected, if any, would not assume this role until December 18, 2015, the day after this Special Board Meeting.

Chair Hamai then read in a motion, "LA-RICS has reached a major milestone working on the LTE system. We are transitioning from a system in development to an operation resource for first responders. It is an appropriate time for the Chair to transfer from a public administrator to a law enforcement leader. The California State Code confirms the Sheriff's is the Director of emergency services. I move that the Sheriff Departments serves as the Chair and the Los Angeles County Fire Department take the Vice-Chair position. The County Sheriff's and Fire Department share the responsibility of providing law enforcement and firefighting services to over 40 contract and independent cities and over a million unincorporated residents. Both of these County agencies intend to use the LA-RICS system, so it is appropriate for the Sheriff's and Fire Department to guide the leadership of the JPA. Chair Hamai asked for a second to her motion, Board Member Osby seconded.



Chair Hamai asked for a motion to approve, Chair Hamai motioned first, seconded by Board Member Osby. The Board's consensus was unanimous.

Ayes 7: Hamai, Osby, McDonnell, Chidester, Walker, Giannone, and Alexander.

**MOTION APPROVED.**

## **I. ELECTIONS FOR AT-LARGE BOARD MEMBERS**

It is recommended that your Board:

Set March 3, 2016 for mail-in-ballot elections of the three (3) At-Large Director and four (4) Alternate Director seats. If the seats are uncontested, the Board can appoint the members at the January or February 2016 Board meetings. The Board should note that only member agencies of the Authority are eligible to vote for the At-Large Director seats and to hold such seats.

Board Member Alexander asked if there's urgency for elections. The reason Board Member Alexander asked is because last time there was an election there was a dispute regarding Contract Cities ability to vote for certain seats. Board Member Alexander stated he would like this issue resolved before going on to this election. Counsel Moore stated she will need to go back and check what was previously advised on this issue, given it arose prior to her being assigned to LA-RICS. However, she believes the Board should go ahead and set the elections, given there is a good possibility that the seats will be uncontested anyway due to the smaller number of members in the JPA. The Board had previously approved a revision to the Bylaws that permitted the Board to vote on board members to uncontested seats, making an election unnecessary. The Board should know by February if those seats are uncontested..

Chair Hamai asked for a motion to approve, Chair Hamai motioned first, seconded by Board Member Jim McDonnell. The Board's consensus was unanimous.

Ayes 7: Hamai, Osby, McDonnell, Chidester, Walker, Giannone, and Alexander.

**MOTION APPROVED.**



**J. APPROVE 90-DAY EXTENSION APPROVAL FOR THE FISCAL-YEAR 2015-16 LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY OPERATING BUDGET / PROJECT TEAM LINE ITEM**

It is recommended that your Board:

The Los Angeles Regional Interoperable Communications System Authority (Authority) extend approval of the attached Fiscal-Year 2015-16, Adopted Operating Budget to continue to reflect the LA-RICS project team line item as funded by the Urban Areas Security Initiative (UASI) and / or State Homeland Security Grant Program (SHSGP) in the amount of \$2,485,000, pending a written determination from California Governor's Office of Emergency Services (CalOES), the grant administrator at the State level, regarding the matter of supplanting.

Chair Hamai asked for a motion to approve, Board Member Chidester motioned first, seconded by Board Member Alexander. The Board's consensus was unanimous.

Ayes 7: Hamai, Osby, McDonnell, Chidester, Walker, Giannone, and Alexander.

**MOTION APPROVED.**

**K. APPROVE AMENDMENT NO. 16 TO AGREEMENT NO. LA-RICS 007 FOR LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM – LAND MOBILE RADIO SYSTEM.**

It is recommended that your Board:

1. Make the following findings:

- a. Find that approval and execution and performance of the work covered by Amendment No. 16 to the Agreement for the Unilateral Option for all Work in Phase 1 for seventeen (17) LMR System Sites identified in Table I for the System Design is exempt from review under the California Environmental Quality Act (CEQA) as it is not a project under CEQA pursuant to CEQA Guidelines Sections 15378 and 15061(b)(3);
- b. Find that the Phase 1 System Design Work is statutorily exempt pursuant to CEQA Guidelines Section 15262 and categorically exempt pursuant to CEQA Guidelines Sections 15304 and 15306;
- c. Find the activities covered by the Unilateral Options for Phase 1 (System Design), Phase 2 (Site Construction and Site Modification), Phase 3 (Supply LMR Components), and Phase 4 (LMR System Implementation), and execution of Amendment No. 16, which permits design, construction,



implementation, operation, and maintenance of LMR System infrastructure at twelve (12) sites identified in Table 2, contemplated in the Design, including all Work included in the Agreement, as well as any amendments and Notices to Proceed as referenced herein and in the Agreement, are statutorily exempt from review under California Environmental Quality Act (CEQA) pursuant to Public Resources Code Section 21080.25 for the reasons stated in this letter and as noted in the record of the project.

- d. Find that any leased circuit work that may occur outside of the twelve (12) sites identified in this letter, if needed, to provide connectivity to the LMR System site(s), is categorically exempt under CEQA pursuant to CEQA Guidelines sections 15301, 15303, and 15304 for the reasons stated in this letter and as noted in the record of the project.
2. Approve Amendment No. 16 (Enclosure) to Agreement No. LA-RICS 007 for a LMR System with Motorola Solutions, Inc. (Motorola), which revises the Agreement as follows:
    - a. Account for the removal of thirty-one (31) LMR System Sites from the scope of Phase 1 (System Design) Work only for a cost reduction in the amount of \$1,132,374.
    - b. Make changes necessary to reflect the inclusion of seventeen (17) LMR System Sites into the scope of Phase 1 (System Design) only which includes all Work associated with the addition of these sites into Phase 1 (System Design) for a cost increase in the amount of \$635,537.
    - c. Exercise the Unilateral Options for all Work pertaining to Phase 1 (System Design) for seventeen (17) LMR System Sites.
    - d. Reflect the inclusion of Phase 1 (System Design) Project Description Work only for one (1) potential replacement site for a cost increase in the amount of \$11,674.
    - e. Account for a comprehensive redesign of the LMR System and all associated Work for a cost increase in the amount of \$1,054,440.
    - f. Make changes necessary to reflect the removal, relocation, and deployment of the LMR System Core 2 equipment from Los Angeles Police Department Valley Dispatch Center (LAPDVDC) to Palmdale Sheriff Station (PLM) and necessary Work associated with this relocation for a cost increase in the amount of \$499,912.
  3. Authorize an increase in the Maximum Contract Sum by \$1,069,189 ( $\$635,537 + \$11,674 + \$1,054,440 + \$499,912 - \$1,132,374$ ) when taking the above cost



increases and decreases into consideration) from \$293,767,685 to \$294,836,874.

4. Allow for the issuance of one or more Notices to Proceed for the Work contemplated in Amendment No. 16.
5. Delegate authority to the Executive Director to execute Amendment No. 16, in substantially similar form, to the enclosed Amendment.

Chair Hamai asked for a motion to approve, Chair Hamai motioned first, seconded by Board Member Jim McDonnell. The Board's consensus was unanimous.

Ayes 7: Hamai, Osby, McDonnell, Chidester, Walker, Giannone, and Alexander.

**MOTION APPROVED.**

**L. APPROVE SITE ACCESS AGREEMENTS WITH THE COUNTY OF LOS ANGELES AND THE JUDICIAL COUNCIL OF CALIFORNIA**

It is recommended that your Board:

1. Find that the approval and execution of the Site Access Agreements by the LA-RICS Authority, which will allow for the design, construction, implementation, operation, and maintenance of the LMR System infrastructure at four (4) LMR System Sites identified in Enclosure 1 contemplated in the LMR System Design, are statutorily exempt from review under the California Environmental Quality Act (CEQA), pursuant to Public Resources Code Section 21080.25 for reasons stated in this letter and as noted in the record of the project.
2. Authorize the Executive Director to finalize and execute, substantially similar in form to those attached, one or more Site Access Agreements or amendments to existing SAAs with the County of Los Angeles and the Judicial Council of California.

Chair Hamai asked for a motion to approve, Board Member McDonnell motioned first, seconded by Board Member Osby. Board Member Alexander indicated that he was abstaining from the vote given the location of one of the LMR sites in La Canada Flintridge. The Board's consensus for the remaining Board members was unanimous.

Ayes 6: Hamai, Osby, McDonnell, Chidester, Walker, and Giannone.

Abstained 1: Alexander

**MOTION APPROVED.**



**M. AMENDMENT NO. 6 FOR PROFESSIONAL BROADBAND ENGINEERING CONSULTING SERVICES**

It is recommended that your Board:

1. Approve an extension to Televate's contract term to September 30, 2016, to provide additional technical support and ensure that Phase 1 Work for PSBN Sites related to the CAP Response is completed.
2. Increase Televate's scope of work to contemplate additional tasks including, but not limited to, developing new policies and procedures, increase the level of effort for Member agency transition/migration onto the PSBN, and increase the level of effort for PSBN device onboarding.
3. Approve an increase to the Maximum Contract Sum in the amount of \$1,400,000, increasing the Maximum Contract Sum amount from \$5,697,003 to \$7,097,003 to contemplate
4. Delegate authority to the Executive Director to execute Amendment No. 6 with Televate, substantially similar in form to the Enclosure.

Board Member Osby asked was there a scope of work change or extension to the contract. Executive Director Mallon stated the scope of work is changing because of additional work.

Chair Hamai asked for a motion to approve, Board Member Alexander motioned first, seconded by Board Member Giannone. The Board's consensus was unanimous.

Ayes 7: Hamai, Osby, McDonnell, Chidester, Walker, Giannone, and Alexander.

**MOTION APPROVED.**

**N. AGREEMENT FOR GRATIS USE OF EQUIPMENT DURING THE 2016 ROSE PARADE**

It is recommended that your Board:

Delegate authority to the Executive Director, or his designee, to execute the attached Agreement, substantially similar to the Enclosure, with Blackhawk that will allow Blackhawk to loan Equipment to the Authority, on a gratis basis, for a period up to and including thirty (30) days, for testing and demonstration purposes and use during the upcoming 2016 Rose Parade.





Board Member Chidester asked what is the value of the loan for the equipment? Chair Hamai asked is this the first time this system will be tested. Lieutenant Anderson stated the system has been used for the military but will be the first time in the public safety sector. Board Member McDonnell requested that the language in the contract that LA-RICS is responsible for equipment damage be removed. Staff indicated they would do that.

Chair Hamai asked for a motion to approve, Board Member Chidester motioned first, seconded by Board Member Osby. The Board's consensus was unanimous.

Ayes 7: Hamai, Osby, McDonnell, Chidester, Walker, Giannone, and Alexander.

**MOTION APPROVED.**

**O. APPROVE AMENDMENT NO. 15 FOR AGREEMENT NO. LA-RICS 008 FOR LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM PUBLIC SAFETY BROADBAND NETWORK.**

It is recommended that your Board:

1. Approve Amendment No. 15 to Agreement No. LA-RICS 008 for the PSBN with Motorola Solutions, Inc. (Motorola), in substantially similar form to the Enclosure, which revises the Agreement to:
  - (a) Settle and resolve all outstanding claims with the Contractor, including all claims from Contractor's subcontractors, and including all known and all potential future claims through the completion of the work under the Agreement.
  - (b) Approve payment to the Contractor of \$15,764,246 in the specific amounts for the specific claims identified in tab C.16 of Exhibit C (Schedule of Payments) attached to the Amendment.
  - (c) Approve the reduction of project management fees payable to the Contractor in the Agreement for sites not constructed, for a total reduction in project management fees of \$5,078,774, as reflected in tabs C.3, C.4 and C.5 of Exhibit C (Schedule of Payments) attached to the Amendment.
  - (d) Authorize an increase to the Maximum Contract Sum by the net amount of \$10,685,472 from \$132,899,485 to \$143,584,957.
2. Delegate authority to the Executive Director to execute Amendment No. 15 in substantially similar form to the enclosed Amendment.





Chair Hamai asked for a motion to approve, Chair Hamai motioned first, seconded by Board Member McDonnell. The Board's consensus was unanimous.

Ayes 7: Hamai, Osby, McDonnell, Chidester, Walker, Giannone, and Alexander.

**MOTION APPROVED.**

**P. 2016 SCHEDULE OF LA-RICS BOARD MEETINGS**

It is recommended that your Board:

Approve the following dates for the calendar year 2016 Board Regular Meeting Schedule:

January 7  
February 4  
March 3  
April 7  
May 5  
June 2  
July 7  
August 4  
September 8  
October 6  
November 3  
December 1

All Regular Meetings will be held at 9:00 a.m., Pacific Time at the Kenneth Hahn Hall of Administration located at 500 West Temple Street, Los Angeles, CA 90012

Chair Hamai asked for a motion to approve, Board Member McDonnell motioned first, seconded by Board Member Osby. The Board's consensus was unanimous.

Ayes 7: Hamai, Osby, McDonnell, Chidester, Walker, Giannone, and Alexander.

**MOTION APPROVED.**

**PRIOR TO CLOSED SESSION DISCUSSION ITEMS (E-G) WAS TAKEN OUT OF ORDER.**

**IX. MISCELLANEOUS – (None)**

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



**XI. CLOSED SESSION REPORT**

1. CONFERENCE WITH LEGAL COUNSEL – Anticipated Litigation (subdivision (d) (2) and (d) (4) of Government Code Section 54956.9) (2 cases)
2. PUBLIC EMPLOYEE PERFORMANCE EVALUATION  
(Government Code Section 54957(b)(1))  
Title: Executive Director
3. PUBLIC EMPLOYMENT  
(Government Code Section 54957(b)(1))  
Title: Executive Director
4. CONFERENCE WITH LABOR NEGOTIATORS  
(Government Code Section 54957.6)

The Board entered Closed Session at 9:47 a.m., and returned to open session at 10:29 a.m., Counsel Moore stated that the Brown Act does not require a report.

**XIII. ADJOURNMENT and NEXT MEETING:**

Chair Hamai announced adjournment of this meeting at 10:35 a.m. The Board's consensus was unanimous. The next Board meeting will take place on Thursday, February 4, 2015, at 9:00 a.m., at the Los Angeles County Sheriff's Department, Scientific Services Bureau, 1800 Paseo Rancho Castilla, Los Angeles, CA 90032.



## BOARD MEETING INFORMATION

Members of the public are invited to address the LA-RICS Authority Board on any item on the agenda prior to action by the Board on that specific item. Members of the public may also address the Board on any matter within the subject matter jurisdiction of the Board. The Board 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 Board'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 Board are urged to complete a Speaker Card and submit it to the Board 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 Board Secretary prior to final consideration of the matter.

It is requested that individuals who require the services of a translator contact the Board 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.

# Los Angeles Regional Interoperable Communications System

## PROJECT DESCRIPTION

Events of 9-11-01 have highlighted the need for first responders to be able to communicate with each other. Emergency communications primarily address local jurisdictional needs. Most agencies utilize separate radio towers and equipment, often co-located as seen here, and separate radio frequencies.

Currently, there is duplication of costs and first responders cannot communicate with each other. Many legacy systems around the County are obsolete and well beyond their useful life. The LA-RICS Project Vision is to construct, own, operate, and maintain a regional, interoperable public safety radio system. The program will establish a County-wide public safety wireless voice and data radio system for all first and secondary responders. Existing radio frequencies will be pooled and the current infrastructure utilized wherever practical. New FCC licensed broadband spectrum will be utilized.

Design, construction, and deployment of two County-wide systems (1) Land Mobile Radio (LMR) voice network will utilize a pool of 88 existing communications sites and (2) Long Term Evolution (LTE) broadband data network will utilize a pool of 231 existing communications sites. Both systems will comply with CEQA and NEPA standards.

Project and Construction Management Services will provide network, infrastructure, project, and advisory services across 5 program phases for each of the LMR and LTE projects:

- Phase 1 - System design
- Phase 2 - Site construction and modification
- Phase 3 - Supply telecommunication system components
- Phase 4 - Telecommunications system implementation
- Phase 5 - Telecommunications system maintenance

## *Location:*

2525 Corporate Place, Suite 100  
Monterey Park, CA 91754

## *Authority:*

Los Angeles Regional Interoperable  
Communications System

## *Management:*

LA-RICS Project Team

## *Consultant:*

Jacobs Program Management Company

## *Communications Vendor:*

LMR - Motorola Solutions, Inc.

LTE - Motorola Solutions, Inc.



**Monthly Report No. 45**

**For December, 2015**

**Submitted December 29, 2015**

**Confidentiality Notice:** This document may contain confidential or legally privileged information that is intended only for the individual or entity to whom it was addressed. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution, or reliance upon the contents of this report is strictly prohibited. This document is covered by the Electronic Communications Privacy Act, 18 U.S.C. §§ 2510-2521 and is legally protected.

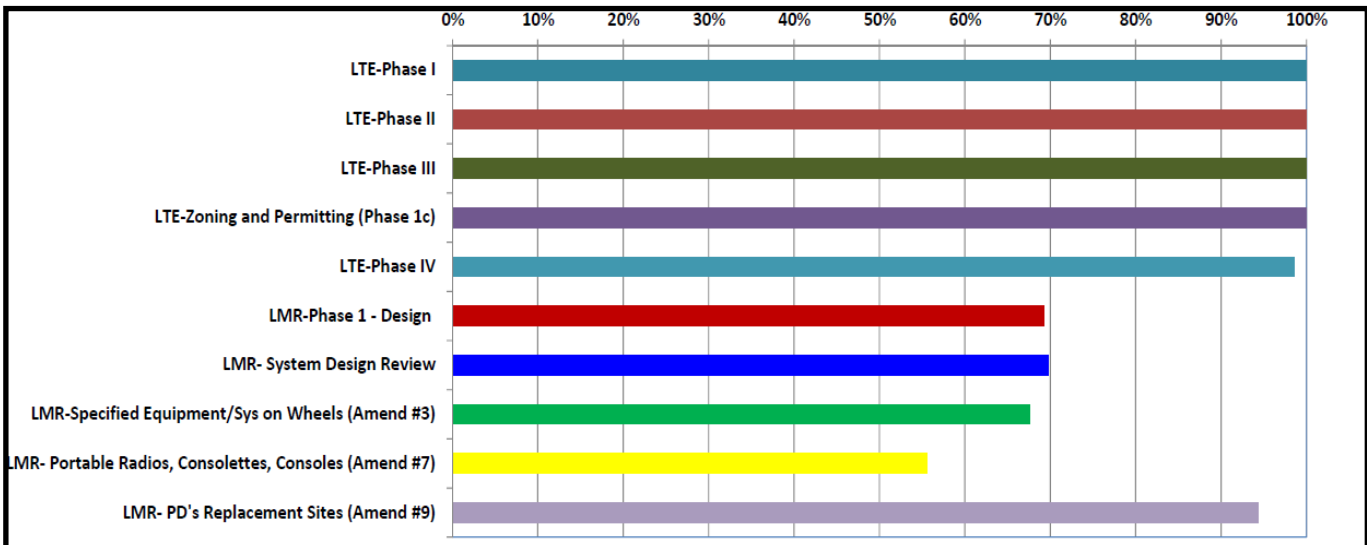
## PROGRAM DASHBOARD

CATEGORY	RATING	CHANGE	COMMENTS
SAFETY	●	NO CHANGE	
QUALITY	●	NO CHANGE	
SCHEDULE	●	CHANGE	TESTING AND PROJECT CLOSE OUT WILL NOT COMPLETE UNTIL JUNE 2016
COST/BUDGET	●	CHANGE	REVISED GRANT AMOUNT FROM NTIA
RISK	●	CHANGE	GRANT CAP RESPONSE AND COMPLETION OF SITES UNDER THE AMENDED PROGRAM
PROJECT STAFFING	●	CHANGE	STAFFING BUDGET FOR JACOBS LTE STAFF WILL BE 100% DEPLETED BEFORE THE LTE PROJECT CLOSEOUT IS COMPLETED.

## ACTIVITIES STATUS

ITEM	STATUS	DUE DATE
LTE PHASE I	COMPLETED	AUGUST, 2015
LTE PHASE II	COMPLETED	SEPTEMBER, 2015
LTE PHASE III	SUBSTANTIALLY COMPLETED	SEPTEMBER, 2015
LTE ZONING AND PERMITTING (PHASE 1C)	COMPLETED	SEPTEMBER, 2015
LTE PHASE IV	IN PROGRESS	SEPTEMBER, 2016
LMR PHASE 1 DESIGN	IN PROGRESS	NOVEMBER, 2015
LMR SYSTEM DESIGN	IN PROGRESS	DECEMBER, 2015
LMR SPECIFIED EQUIPMENT/SYS ON WHEELS (AMEN #3)	IN PROGRESS	OCTOBER, 2015
LMR PORTABLE RADIOS, CONSOLETTES, CONSOLES (AMEND #7)	IN PROGRESS	NOVEMBER, 2015
LMR PD's REPLACEMENT SITES (AMEND #9)	IN PROGRESS	DECEMBER, 2015

## DELIVERABLES PROGRESS REPORT



# LA-RICS MASTER CALENDAR

January 2016 (Proposed)						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4 1400 – LTE System Design & Site Meeting w/MSI	5 0900 – WESM Mtg  1000 – LMR Weekly Site & System Design Mtg	6 0800 – Weekly LTE Backhaul Mtg  1330 - LA-RICS LMR Early Deployment / LMR Project Review Status	7 JPA Board Mtg  1400 - LA-RICS LTE/LMR Weekly Change Management Meeting	8	9
10	11 1400 – LTE System Design & Site Meeting w/MSI	12 0900 – WESM Mtg  1000 – LMR Weekly Site & System Design Mtg	13 0800 – Weekly LTE Backhaul Mtg  1330 - LA-RICS LMR Early Deployment / LMR Project Review Status	14 1400 - LA-RICS LTE/LMR Weekly Change Management Meeting	15	16
17	18 1400 – LTE System Design & Site Meeting w/MSI	19 0900 – WESM Mtg  1000 – LMR Weekly Site & System Design Mtg	20 0800 – Weekly LTE Backhaul Mtg  1330 - LA-RICS LMR Early Deployment / LMR Project Review Status	21 1400 - LA-RICS LTE/LMR Weekly Change Management Meeting	22	23
24	25 1400 – LTE System Design & Site Meeting w/MSI	26 0900 – WESM Mtg  1000 – LMR Weekly Site & System Design Mtg	27 0800 – Weekly LTE Backhaul Mtg  1330 - LA-RICS LMR Early Deployment / LMR Project Review Status	28 1400 - LA-RICS LTE/LMR Weekly Change Management Meeting	29	30
31						

## LTE TECHNOLOGY UPDATES

- **LMR/LTE Shared Site Activities**
  - Continued review of all shared LMR/LTE sites
- Routers were purchased for each of the COWS to assist in test and turn up in lieu of the permanent solution for BH
- Issuance of Amendment 13 for the removal of seventy-seven (77) PSBN sites, replacement of one (1) PSBN site, reconciliation of equipment, and various cost changes
- Ongoing IMS activities
- Weekly LTE Development Meetings as well as Daily calls
- LTE project reports:
  - Weekly Status Report
  - Monthly Status Reports
  - Integrated Master Schedule (IMS)
- PSBN Testing Plan is on going
- eNodeB pod testing was completed and TMR commissioning has commenced and expected to be completed by December 30, 2015
- BH circuit deliverers have been delayed by both VZW and ATT, dates are pushed as far as mid December
- The MW installations are complete at all of the required sites. Path alignment for ONK is scheduled for 12/23
- Of the 15 COWS outfitted for LTE:
  - 13 are in place - including grounding, antennas, and the fencing where required
  - Power and BH are scheduled for install by the end of the year
- SCE utility designs for each COW are completed
- Review of the Grant Requirements for the MSA with SCE are ongoing
- Overall Testing Plan for the PSBN network is scheduled to be completed by the end of the year
- Ongoing delays have pushed back the starting of the clusters testing and optimizing to the later part of 2015
- Amendment 14 & 15 were issued to MSI

## LMR TECHNOLOGY UPDATES

- **LMR/LTE Shared Site Activities**
  - Continued review of all shared 39 LTE/ LMR sites
- Ongoing Working Weekly LMR System Design and Site Documentation meetings
  - 14 of 25 Site drawings reviewed and complete, 11 Site reviews are due this week
- Ongoing Early Deployment engineering
  - Began to develop fleet mapping procedures for Sheriff Test radios
  - Acceptance Test Plans complete
- Completed final review of Motorola Design Deliverables
  - Reviewed with Authority staff and Motorola to document final comments
- Microwave Backhaul design analysis
  - Reviewed paths and reconfigured design to make the design more efficient by using fewer sites and closing local rings
- Ongoing FCC Licensing Meeting
  - Discussion of path forward for all licensing Issues
  - RFQ for FCC license T-Band frequency sets at all sites
  - 700 MHz planning and submission for additional five frequencies pairs and seeking Letters of Concurrence from current operators
- Ongoing LMR project reports received weekly/ monthly:
  - Weekly Status Report
  - Monthly Status Report
  - Integrated Master Schedule (IMS)
  - Site Analysis and Inclusion of USFS Sites
  - Participated in Joint Operations and Technical Committee meeting

## LTE SITES/CIVIL DELIVERABLES

- Continued oversight and quarterly reporting to NTIA
- Construction for the COW's expected to be completed by late December 2015
- Special Events planning is continuing for The Rose Parade
  - Weekly meeting are ongoing and individuals have been tasked with providing research for applications and logistics
  - All (5 sites) included for the rose parade are fully operational. BH testing as well as end to end testing is underway and scheduled for completion 12/22. LASD along with Televate have scheduled application/video testing scheduled for 12/23
- Of the 15 COWS, 14 are in place including grounding, antennas, and fencing when required
- Weekly meetings are all completed for 2015, this includes all static sites and 3 COWS. There are 2 static sites awaiting final meter set ONK & SDM
- Trenching for power conduits at CHPWVLLY is being performed 12/21/2015
- Punch-List site walks and pertinent corrective Punch-List measures are ongoing

## LMR SITES/CIVIL DELIVERABLES

- Attended teleconferences with LA City Mayor's Office Staff, AECOM, and FEMA personnel to discuss NEPA approach for completing the PEA
- Jacobs submitted a Revised PEA to the City for AECOM and FEMA review on December 16, 2015
- Continued FCC 620/621 preparation for LMR sites
- Continued preparation of the Biological Resources Report
- Continued revision of the EIR
- Jacobs attended site design walks with the Authority and MSI
- MSI/Jacobs design team have scheduled site visits to allow for the preparation of site sketches, 1A surveys and 50% CDs sketches
- 13 site sketches have been received for review and approval by the authority as of 12/21//2015
- Jacobs continues task of obtaining SAA's for 19 LMR sites (SAA's for remainder sites being processed by LA County CEO-RED)



Activity ID	Activity Name	Start	Finish	Duration % Complete	Remaining Duration	Total Float	2013		2014				2015				2016				2017				2018				2019
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<b>LA-RICS MSI LMR Integrated Master Schedule (IMS) Replan</b>							g-13 A																						
<b>Phase 1 - LMR System Design</b>							g-13 A																						
<b>Phase 1 - LMR System Design</b>							g-13 A																						
<b>Project Management Plan</b>							ep-13 A																						
<b>LA-RICS Deliverables</b>																													
<b>LA-RICS Provides Access to Core Sites</b>							ep-13 A																						
<b>Early Shipment</b>							ep-13 A																						
<b>Amendment 3 - Specified Equipment Shipment and System on Wheels</b>							20-Dec-13 A																						
<b>Amendment 4 - Station B Equipment</b>							20-Dec-13 A																						
<b>Integration of SOW and STB</b>																													
<b>Amendment 5 - VDC Core 2 Deployment</b>																													
<b>Amendment 7 - Portable Radio Equipment, Consolettes, &amp; Consoles</b>							07-May-14 A																						
<b>Amendment 8 - Portable Radios and Radio Accessories</b>																													
<b>Project Description Preparation</b>							ep-13 A																						
<b>Amendment 9 - Project Descriptions for 26 potential replacement sites</b>																													
<b>Environmental Review</b>																													
<b>Design Review</b>							Oct-13 A																						
<b>Phase 1a - Licensing Process</b>																													
<b>Phase 1a - Licensing Process</b>																													
LMR_1547	License Preparation	23-Mar-15	01-Jul-15	0%	72	297																							
LMR_1549	B.1.6 FCC License and Application Forms - FCC Licenses Granted		02-Jul-15	0%	0	298																							
LMR_1548	FCC Licensing Processing	02-Jul-15	02-Jul-15	0%	0	297																							
<b>Phase 1b - Submit Required Permits &amp; Approvals</b>																													
<b>Zoning Permit</b>																													
<b>Building Permits</b>																													
<b>Receive Permit Approvals</b>																													
<b>Phase 2 - Site Construction and Site Modification</b>																													
<b>Phase 2 - Site Construction and Site Modification</b>																													
LMR_1856	Notice to Proceed Phase 2 Received for Sites		02-Oct-15	0%	0	-199																							
LMR_1855	Notice to Proceed Phase 2 Received for Materials		02-Oct-15	0%	0	-229																							
<b>Notice to Proceed Phase 2 for Sites (Broken out by Site #)</b>																													
<b>Site Construction Materails</b>																													
<b>Site Build / Modiifcations</b>																													
<b>Phase 3 - Supply LMR System Components</b>																													
<b>Phase 3 - Supply LMR System Components</b>																													
LMR_6800	B.3.9 System Management and Monitoring Subsystem	20-Apr-16	20-Apr-16	0%	1	486																							
LMR_6425	B.1.6 FCC Licensing	02-Jul-15	02-Jul-15	0%	1	297																							
LMR_3893	Notice to Proceed Phase 3		24-Nov-15	0%	0	-256																							
<b>Manufacturing / Staging / Site Development and Test</b>																													
<b>Phase 4 - LMR System Implementation</b>																													
<b>Phase 4 - LMR System Implementation</b>																													
LMR_6805	B.4.1.1.1.7 System Management and Monitoring Subsystem		20-Apr-16	0%	0	486																							
LMR_3921	Notice to Proceed Phase 4		09-May-16	0%	0	-230																							



Activity ID	Activity Name	Start	Finish	Duration % Complete	Remaining Duration	Total Float	2013		2014				2015				2016				2017				2018				2019				
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2		
	<b>RF Emission Safety Report</b>	23-Mar-15	31-Aug-15	0%	114	646								■	23-Mar-15																		
	<b>Implementation &amp; Testing</b>	11-Feb-16	16-Mar-18	0%	531	-256										11-Feb-16																	
	<b>Warranty - 12 months</b>	19-Mar-18	18-Mar-19	0%	261	-256																											
	<b>Phase 5 - LMR System Maintenance</b>	18-Mar-19	18-Mar-19	0%	0	-256																										18-Mar-19	
	<b>Phase 5 - LMR System Maintenance</b>	18-Mar-19	18-Mar-19	0%	0	-256																										18-Mar-19	

Activity ID	Activity Name	Start	Finish	Duration % Complete	Remaining Duration	Total Float	2014												2015												2016												
							Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
<b>Total</b>		04-Feb-14 A	13-Jun-16	79.25%	121	12	[Gantt bars for Total]																																				13-Jun-16
<b>LA_City</b>		04-Mar-14 A	21-Jan-16	95.79%	20	113	[Gantt bars for LA_City]																																				21-Jan-16
LA.LAPD077		12-Mar-14 A	11-Jan-16	97.13%	13	120	[Gantt bar for LA.LAPD077]																																				11-Jan-16
LA.LAPDDVN		12-Mar-14 A	13-Jan-16	96.7%	15	118	[Gantt bar for LA.LAPDDVN]																																				13-Jan-16
LA.LAPDFTH		12-Mar-14 A	11-Jan-16	97.22%	13	120	[Gantt bar for LA.LAPDFTH]																																				11-Jan-16
LA.LAPDHLB		04-Mar-14 A	11-Jan-16	97.22%	13	120	[Gantt bar for LA.LAPDHLB]																																				11-Jan-16
LA.LAPDHWD		12-Mar-14 A	11-Jan-16	97.14%	13	120	[Gantt bar for LA.LAPDHWD]																																				11-Jan-16
LA.LAPDMIS		12-Mar-14 A	11-Jan-16	97.19%	13	120	[Gantt bar for LA.LAPDMIS]																																				11-Jan-16
LA.LAPDNHD		12-Mar-14 A	11-Jan-16	97.13%	13	120	[Gantt bar for LA.LAPDNHD]																																				11-Jan-16
LA.LAPDNWT		12-Mar-14 A	11-Jan-16	97.14%	13	120	[Gantt bar for LA.LAPDNWT]																																				11-Jan-16
LA.LAPDOLY		10-Mar-14 A	11-Jan-16	97.2%	13	120	[Gantt bar for LA.LAPDOLY]																																				11-Jan-16
LA.LAPDPAC		12-Mar-14 A	21-Jan-16	95.66%	20	113	[Gantt bar for LA.LAPDPAC]																																				21-Jan-16
LA.LAPDRAM		12-Mar-14 A	11-Jan-16	97.14%	13	120	[Gantt bar for LA.LAPDRAM]																																				11-Jan-16
LA.LAPDTOP		12-Mar-14 A	11-Jan-16	97.12%	13	120	[Gantt bar for LA.LAPDTOP]																																				11-Jan-16
LA.LAPDVNS		12-Mar-14 A	11-Jan-16	97.13%	13	120	[Gantt bar for LA.LAPDVNS]																																				11-Jan-16
LA.LAPDWIL		12-Mar-14 A	11-Jan-16	97.14%	13	120	[Gantt bar for LA.LAPDWIL]																																				11-Jan-16
LA.LAPDWLA		12-Mar-14 A	11-Jan-16	97.17%	13	120	[Gantt bar for LA.LAPDWLA]																																				11-Jan-16
LA.LAPDWVD		12-Mar-14 A	11-Jan-16	97.12%	13	120	[Gantt bar for LA.LAPDWVD]																																				11-Jan-16
LA.LAPP001		12-Mar-14 A	11-Jan-16	95.81%	13	120	[Gantt bar for LA.LAPP001]																																				11-Jan-16
LA.LDWP243		12-Mar-14 A	21-Jan-16	94.97%	20	113	[Gantt bar for LA.LDWP243]																																				21-Jan-16
LA.SEP		12-Mar-14 A	11-Jan-16	97.14%	13	120	[Gantt bar for LA.SEP]																																				11-Jan-16
LA.SWP		12-Mar-14 A	21-Jan-16	95.58%	20	113	[Gantt bar for LA.SWP]																																				21-Jan-16
LA.VPC		12-Mar-14 A	11-Jan-16	96.68%	13	120	[Gantt bar for LA.VPC]																																				11-Jan-16
<b>LA_County</b>		21-Feb-14 A	15-Feb-16	92.59%	37	96	[Gantt bars for LA_County]																																				15-Feb-16
LA.BMT		12-Mar-14 A	11-Jan-16	96.9%	13	120	[Gantt bar for LA.BMT]																																				11-Jan-16
LA.CCT		12-Mar-14 A	08-Feb-16	92.2%	32	101	[Gantt bar for LA.CCT]																																				08-Feb-16
LA.CEN		12-Mar-14 A	21-Jan-16	94.17%	20	113	[Gantt bar for LA.CEN]																																				21-Jan-16
LA.FCCF		12-Mar-14 A	11-Jan-16	95.99%	13	120	[Gantt bar for LA.FCCF]																																				11-Jan-16
LA.LACHAR		12-Mar-14 A	11-Jan-16	97.13%	13	120	[Gantt bar for LA.LACHAR]																																				11-Jan-16
LA.LACOLV		12-Mar-14 A	15-Jan-16	95.99%	17	116	[Gantt bar for LA.LACOLV]																																				15-Jan-16
LA.LACUSC		12-Mar-14 A	15-Feb-16	92.36%	37	96	[Gantt bar for LA.LACUSC]																																				15-Feb-16
LA.LAN		12-Mar-14 A	11-Jan-16	97.17%	13	120	[Gantt bar for LA.LAN]																																				11-Jan-16
LA.LASDALD		12-Mar-14 A	11-Jan-16	96.9%	13	120	[Gantt bar for LA.LASDALD]																																				11-Jan-16
LA.LASDCSN		12-Mar-14 A	13-Jan-16	96.7%	15	118	[Gantt bar for LA.LASDCSN]																																				13-Jan-16
LA.LASDIDT		12-Mar-14 A	11-Jan-16	97.16%	13	120	[Gantt bar for LA.LASDIDT]																																				11-Jan-16
LA.LASDLKD		12-Mar-14 A	11-Jan-16	97.14%	13	120	[Gantt bar for LA.LASDLKD]																																				11-Jan-16
LA.LASDLNX		12-Mar-14 A	13-Jan-16	96.65%	15	118	[Gantt bar for LA.LASDLNX]																																				13-Jan-16
LA.LASDNCC		12-Mar-14 A	11-Jan-16	97.17%	13	120	[Gantt bar for LA.LASDNCC]																																				11-Jan-16
LA.LASDNWK		12-Mar-14 A	19-Jan-16	96.09%	18	115	[Gantt bar for LA.LASDNWK]																																				19-Jan-16
LA.LASDPRV		12-Mar-14 A	11-Jan-16	97.14%	13	120	[Gantt bar for LA.LASDPRV]																																				11-Jan-16
LA.LASDSCV		12-Mar-14 A	11-Jan-16	97.17%	13	120	[Gantt bar for LA.LASDSCV]																																				11-Jan-16

Activity ID	Activity Name	Start	Finish	Duration % Complete	Remaining Duration	Total Float	2014												2015												2016									
							Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
LA.LASDSM		21-Feb-14 A	19-Jan-16	96.25%	18	115																																		
LA.LASDTEM		12-Mar-14 A	11-Jan-16	97.16%	13	120																																		
LA.LHS		12-Mar-14 A	15-Jan-16	96.25%	17	116																																		
LA.MLM		12-Mar-14 A	11-Jan-16	96.9%	13	120																																		
LA.ONK		12-Mar-14 A	15-Jan-16	95.7%	17	116																																		
LA.PHN		12-Mar-14 A	01-Feb-16	93.78%	27	106																																		
LA.PLM		12-Mar-14 A	21-Jan-16	95.72%	20	113																																		
LA.RANCHO		12-Mar-14 A	11-Jan-16	96.9%	13	120																																		
LA.SLA		12-Mar-14 A	11-Jan-16	97.16%	13	120																																		
LA.WAL		12-Mar-14 A	11-Jan-16	97.15%	13	120																																		
LA.WHD		12-Mar-14 A	11-Jan-16	97.1%	13	120																																		
<b>Independent Cities</b>		04-Feb-14 A	18-Feb-16	91.89%	40	93																																		
LA.ARCPD01		04-Feb-14 A	11-Jan-16	96.81%	13	120																																		
LA.AZPD001		12-Mar-14 A	11-Jan-16	97.04%	13	120																																		
LA.CLM		12-Mar-14 A	11-Jan-16	97.09%	13	120																																		
LA.CPTFD04		12-Mar-14 A	21-Jan-16	95.18%	20	113																																		
LA.ELMNTPD		12-Mar-14 A	11-Jan-16	96.84%	13	120																																		
LA.FS5		12-Mar-14 A	11-Jan-16	97.02%	13	120																																		
LA.GARD001		12-Mar-14 A	18-Feb-16	90.97%	40	93																																		
LA.LBFD012N		12-Mar-14 A	21-Jan-16	95.77%	20	113																																		
LA.LBPDHQ		12-Mar-14 A	21-Jan-16	95.41%	20	113																																		
LA.PASA001		12-Mar-14 A	11-Jan-16	96.74%	13	120																																		
LA.PASDNPD		12-Mar-14 A	11-Jan-16	96.68%	13	120																																		
LA.VEFD001		12-Mar-14 A	11-Jan-16	96.92%	13	120																																		
LA.VEFD003		12-Mar-14 A	11-Jan-16	96.9%	13	120																																		
<b>No LA-RICS Jurisdiction [O]</b>		01-Sep-14 A	13-Jun-16	72.81%	121	12																																		
LA.ARCPD01		02-Jul-15 A	02-Jul-15 A	0%	0		02-Jul-15 A																																	
LA.Prjt Closeout		01-Oct-15 A	13-Jun-16	61.59%	63	12																																		
LA.SI		01-Sep-14 A	06-Jun-16	73.64%	116	16																																		
LA.Sys Op_Test		03-Jun-16	03-Jun-16	0%	0	12	03-Jun-16																																	
LA.Warranty		01-Oct-15 A	01-Oct-15 A	0%	0		01-Oct-15 A																																	



## **Monthly Report #28**

**Reporting Period: 11/17/15 thru 12/19/15**

**Los Angeles Regional Interoperable Communications  
System (LA-RICS) - Land Mobile Radio System**

**Motorola Solutions, Inc.**



***MOTOROLA SOLUTIONS***

**AGENDA ITEM C**

## Table of Contents

1. Executive Summary .....	3
2. Project Status .....	4
2.1 Tasks In Progress or Completed .....	4
2.2 Tasks Planned for Next Period (12/21/15 thru 1/16/15).....	5
2.3 Authority Look-Ahead Tasks (120-Day) .....	5
3. Project Risk Register.....	6
4. Areas of Concern.....	7
5. Disputes and Claims .....	7
6. Financial Status .....	7
7. LA-RICS Master Schedule .....	8

## 1. Executive Summary

The Los Angeles Regional Interoperable Communications System Land Mobile Radio (LA-RICS LMR) program consists of the following five (5) phases; Phase 1 LMR System Design, Phase 2 LMR Site Construction and Site Modification, Phase 3 Supply LMR System Components, Phase 4 LMR System Implementation, and Phase 5 LMR System Maintenance. Phases 1-4 span over a five (5) year period which includes one (1) year of system warranty. Phase 5 provides the Authority with fifteen (15) one year options for Motorola to provide system monitoring and maintenance services.

The LA-RICS LMR program is currently in Phase 1 LMR System Design. Notices-To-Proceed numbers 1 through 14 have been issued authorizing distinct work for system Design services, the design and implementation of the initial deployment of the LMR system elements termed “Early Equipment”, “Specified Equipment and System on Wheels”, and “Station B Equipment”, “Frequency Licensing”, “UPS System”, and “Portable Radios, Consolettes and Consoles”, “Portable Radio Equipment”, alternate sites “Project Descriptions”, “Frequency Licensing for the Base System”, “Bridge Warrant for Early” and “Retuning of SOW & Station B UHF Frequencies”. Amendment 15 “Additional Project Descriptions” was approved by Board of Directors on 11/5/15 and Amendment 16 “System Redesign and Relocation of Core 2” was approved by the Board of Directors on 11/16/15. Fully executed documents and Notice To Proceed (NTP) orders for Amendments 15 & 16 are pending.

Motorola and the Authority continue working with the United States Forrest Service (USFS) to explore the possibility of using USFS sites to enhance coverage in the Angeles National Forest.

This month’s report for the LA-RICS LMR program covers the reporting period from **11/17/15** through **12/19/15**. As of this reporting period Phase 1 LMR System Design is 69% complete. Associated Phase 1 tasks include A&E, Frequency Coordination (continues after final site confirmation), Site Access Agreements and Environmental Review which are currently in progress. These tasks are separate from the RF system design tasks. Once the Site Access Agreements and the Environmental Impact Report (EIR) process are complete, there will be a true up of the actual final site configuration and schedule for the LMR system. The primary Phase 1 activities for this period include:

### LMR Design Review (97% Complete)

The LMR System Design is a compilation of documents that will define the architecture, functionality and performance of all of the subsystems that make up the LMR system. It includes all aspects of the system including performance criteria, reliability levels and testing procedures. System Design activities for this period included frequency identification and planning, evaluation of site parameter changes, development of subsystem architecture, and submittal of revised drafts sections of subsystem functional operations. A final set of site parameters was selected to complete the coverage design process. The City of Los Angeles has notified the Authority that it will not operate on the LA-RICS LMR system. Amendment 16 identified 31 sites that are being removed from the system, to include applicable City of Los Angeles sites and the inclusion of sites 17 sites to replace the applicable sites being removed. Amendment 16 also includes a system redesign effort based on the revised number of sites for the system and to support remaining Authority member agencies. System redesign tasks will be added to Phase 1 in the project schedule once an NTP issued.






- Test Plan Development (100% Complete)  
Acceptance Test Plans are a part of the LMR System Design deliverable. The test plans outline the test criteria and procedures that will be conducted during the implementation phase. The



test plans are designed to demonstrate system functionality and system requirements. The test plans were delivered along with the LMR System Design documents. As part of the LMR System Design review process the Test Plans will be updated upon receipt of the comments from the Authority.

- **LA-RICS Deliverables - Authority Site Access Agreements**  
 Authority's efforts to develop and execute the applicable Site Access Agreements for the required sites in the LMR design. This task also includes access to the sites that will host the system's core switching network. Even though no agreements have been executed the Authority has made continued progress with the Member Agencies to finalize Site Access Agreements. This activity is primarily being driven by the Authority's Outreach Program. With the change of this activity from a task to a milestone it is no longer measuring progress and therefore we only show 0% or 100% complete for each Site Agreement.

The following table provides a dashboard snapshot of the projects' health signs.

LMR Project Dashboard			
Category	Rating	Change	Comments
Schedule			EIR milestones are under review for determination of schedule impact.
Quality			No quality issues to report
Risk			Risk items have been identified regarding; Spectrum, Site Access Agreements, and Site Conditions. FEMA has suggested an Environmental Process that has impacted the overall schedule.
Scope			Potential scope impacts. T.B.D. as project progresses on the system redesign and final site list.
Budget			Any budget impact due to environmental delay is yet to be determined.

## 2. Project Status

The following sections identify task activities during the reporting period and the planned activities for the next reporting period.

### 2.1 Tasks In Progress or Completed

The following depict the task activity that occurred during the current reporting period.

Activity Name	Activity Status
<b>LA-RICS Deliverables</b>	
Lease Negotiations & Site Access Use Agreement	In Process
NEPA FONSI	In Process
CEQA Notice of Determination	In Process
<b>Project Descriptions</b>	



Activity Name	Activity Status
Develop 3 Additional Project Descriptions ( 3of 3 Completed)	Completed
<b>Architecture &amp; Engineering Drawings</b>	
Site Walks and Site Sketch Development & Approvals	In Process
Develop 50% Construction Drawings & Approval	Started

## 2.2 Tasks Planned for Next Period (12/21/15 thru 1/16/15)

The following depict the task activity that is planned for the next reporting period.

Activity Name	Planned Status
<b>LA-RICS Deliverables</b>	
Lease Negotiations & Site Access Use Agreement	On Going
Access to Core Sites	On Going
NEPA FONSI / CEQA Notice of Determination	On Going
<b>Environmental Review &amp; Documentation (Authority)</b>	
Environmental Consultant Initiates CEQA & EHP/NEPA Analysis	On Going
Prepare Preliminary Draft EHP/NEPA Form	On Going
Prepare EIR	On Going
<b>Project Descriptions</b>	
Develop 3 Additional Project Descriptions ( 3of 3 Completed)	On Going
Develop 11 Additional Project Descriptions	Awaiting NTP
<b>Architecture &amp; Engineering Drawings</b>	
Site Walks and Site Sketch Development & Approvals	On Going
Develop 50% Construction Drawings & Approval	On Going
Develop 75% Construction Drawings and Approval	Planning to Start

## 2.3 Authority Look-Ahead Tasks (120-Day)

For the Authority planning purposes the following table provides a one hundred twenty (120) Day look-ahead of the Authority-specific activities to conduct coordination, inspections, approvals, consents, and or provide decisions necessary from the Authority to facilitate Contractor's progress.

Activity Name	Start
<b>LA-RICS Deliverables</b>	
Lease Negotiations & Site Access Use Agreement	09-Sep-13 A
LA-RICS Provides Access to Core Sites	18-Sep-13 A
NEPA FONSI / CEQA Notice of Determination	On Going
<b>Environmental Review &amp; Documentation (Authority)</b>	
CEQA Exemption Applicability & Eligibility Screening & Assessment	On Going
Environmental Consultant Performs CEQA Environmental Review & Prepares Draft CEQA Determination	On Going
Lead Agency CEQA Determination	On Going
Consult Federal Agency and Prepare Draft NEPA Document	On Going

Activity Name	Start
Prepare NEPA Document	On Going
Submit Final EHP & NEPA Document	On Going
Federal Lead Agency NEPA Determination	On Going
Complete 11 Additional Project Descriptions Review	On Plan to Finish
<b>Phase 1b Submit Required Permits and Approvals</b>	
See Environmental Review & Documentation tasks above	On Going
<b>Architecture &amp; Engineering Drawings</b>	
Schedule Access for the Development A&E Activities at Selected Sites	On Going
Review and Approve Site Sketches	On Going
Review and Approve 50% Construction Drawings	On Plan to Start
Review and Approve 75% Construction Drawings	On Plan to Start

### 3. Project Risk Register

Title	Assigned	Impact	Risk Description	Status
Site Condition Changes	Authority	High	Site condition differences from RFP to current condition may impact ability to implement planned installations and delay or require changes to LMR design (e.g. coverage, backhaul, etc.) Changes in the LTE project and sites that have dropped due to availability have had an impact on the LMR at planned shared and or co-located sites. Changes to system will be addressed in the system redesign efforts.	Active
Environmental Process	Authority	High	The individual or collective determination of environmental impacts or mitigations may impact site work or even site viability. Environmental review process is impacting project implementation schedule.	Active
Site Access Agreements	Authority	High	Lease holders approvals are needed in order to implement LA-RICS improvements at sites.	Active
Spectrum Availability, 700 MHz	Authority	High	Lack of frequencies may impact coverage and/or site viability, necessitating design changes.	Active

## 4. Areas of Concern

This section describes any events and or circumstances of which the Contractor is aware that has delayed or may delay project activities and what corrective or remedial actions was taken or will be taken to resolve the issue. Outstanding Issues Log (the "OIL Log") entries are also tabulated and monitored in this section. "Oil Log" items include, for example, sequencing, infrastructure, site access, coordination issues, congestion of workers and equipment, time requirements for design, procurement, and installation.

ID	Event / Circumstance	Remedial Action Taken or Required
02-01	Early Construction of Some Sites	Recent predictions on approval process are pushing expedited construction into Q1 2016.
02-02	System Design impacts due to changes in site conditions	Motorola and the Authority have analyzed probable site changes and suitable site replacement candidates. Adjusted tower heights at some of the sites may impact the coverage. System redesign efforts will determine system impacts.
05-01	Impacts of filing Environmental Impact Report	MSI incorporated the EIR milestones into the project schedule which impacted the start of construction into 2016. MSI and Authority to continue with project schedule impact analysis to pull in project activities to improve revised project plan.

## 5. Disputes and Claims

This section describes any disputes, potential claims, and claims made during the reporting period.

Dispute / Claim / Potential Claim	Status / Actions	Resolution Date
None to report this period		

## 6. Financial Status

The following represents the invoice payments that were completed during the reporting period and the remaining amount to be invoiced and paid.

Invoice Payment Category	Invoice Payment Totals
Contract Sum Full Payable Amount (Phase 1)	\$ 41,784,492
Cumulative Invoice Payments from Last Report	\$ 36,351,250
Total Invoice Payments This Period	\$ 31,520
Remaining Amount to be Paid	\$ 5,401,722

## 7. LA-RICS Master Schedule

An executive view depicting the status of the primary activities:

The project schedule for this report remains unchanged. Upon completion of the Environmental Impact Report and a revised site list for the system has been determined Motorola will develop a revised project schedule for the remaining site design tasks in Phase 1 and all of the tasks in Phases 2 through 4.

(Intentionally Blank Page)



## **Monthly Report - #22**

**Reporting Period: 11/16/15 thru 12/19/15**

**Los Angeles Regional Interoperable Communications  
System (LA-RICS) – Public Safety Broadband Network**

**Motorola Solutions, Inc.**



***MOTOROLA SOLUTIONS***

## Table of Contents

1. Executive Summary .....	3
2. Project Status .....	9
2.1 Tasks In-Progress and Completed .....	9
2.2 Tasks Planned for Next Period (12/21/15 thru 1/22/16).....	9
2.3 Authority Look-Ahead Tasks (120-Day) .....	10
3. Project Risk Register .....	10
4. Areas of Concern .....	10
5. Disputes and Claims .....	11
6. Financial Status .....	12
7. LA-RICS PSBN Project Schedule .....	12

## 1. Executive Summary

The Los Angeles Regional Interoperable Communications System - Public Safety Broadband Network (LA-RICS PSBN) project is a 700 MHz Long Term Evolution (LTE) public safety mobile broadband network that will provide broadband services across the County of Los Angeles for the Authority's Member Agencies.

The LA-RICS Authority was awarded a Comprehensive Community Infrastructure (CCI) Broadband Technology Opportunity Program (BTOP) grant by Department of Commerce's National Telecommunications and Information Administration (NTIA) to deploy the LA-RICS PSBN system. The BTOP grant program requires that the LA-RICS PSBN system be compatible with the future Nationwide Public Safety Broadband Network (NPSBN) currently being designed and developed by FirstNet, an independent authority within the NTIA. Additionally the Authority executed a Spectrum Manager Lease Agreement (SMLA) with FirstNet for spectrum usage rights to operate on the 700 MHz public safety broadband spectrum (D-Block). The LA-RICS-PSBN system provides the Authority with the opportunity to work cooperatively with FirstNet, while participating in testing and providing input in what will ultimately form the National Public Safety Broadband Network (NPSBN).

The LA-RICS PSBN program consists of the following five (5) phases; Phase 1 PSBN System Design, Phase 2 PSBN Site Construction and Site Modification, Phase 3 Supply PSBN Components, Phase 4 PSBN System Implementation, and Phase 5 PSBN Maintenance. Phases 1-4 must have construction activities substantially completed by September 30, 2015 to be in compliance with the BTOP grant funding program. The cost for all Work performed that is not covered by the BTOP grant program will be the sole responsibility of the Authority. Phase 5 provides the Authority with the first five (5) years of one year options for Motorola to provide system monitoring and maintenance services.

On March 10, 2014 the Authority issued **NTP 1** authorizing Motorola to begin all work in Phase 1 for System Design services. Phase 1 primary activities include:

- LA-RICS Deliverables
- Project Management Plans
- System Design
- Site Design
- RF Emissions Report
- Inventory and Management System

On April 7, 2014 the Authority issued **NTP 2** for **Amendment 2** to add detailed design services to Phase 1 for Additive Alternate No. 1, a Home Subscriber Server (HSS), and Additive Alternate No. 2, a Redundant Evolved Packet Core (EPC).

On June 20, 2014 the Authority issued **Amendment 3** to exercise the Unilateral Options for all Work pertaining to Phase 2, Site Construction and Site Modification, and Phase 3, Supply PSBN Components.

On June 20, 2014 the Authority issued **NTP 3** to begin limited work related to Phase 2 and Phase 3. Microwave equipment was excluded from NTP 3 until the Authority approves the backhaul design and issues a separate NTP. NTP 3 also authorized Motorola to proceed with all planning and non-site mobilization work related to Phase 2, Site Construction and Site Modification, however, no construction work at a specific project site location will be conducted until the Authority has received all required NEPA and/or any other applicable Federal and State Environmental approvals for each specific location.



On July 10, 2014 the Board of Directors approved **Amendment 4** for Phase 2, Site Construction and Site Modification, and Phase 3, Supply PSBN Components of Additive Alternate No. 1, a Home Subscriber Server (HSS) and Additive Alternative No. 2, a Redundant Evolved Packet Core (EPC).

On September 8, 2014 the Authority issued **NTP 4** to proceed with work related to Phase 3 Supply PSBN Components for Additive Alternate No. 1, a Home Subscriber Server (HSS). Phases 2 and 4 were excluded from NTP 4 as they relate to Additive Alternative No. 1. Per NTP 4, authorization to design and purchase the HSS have been issued but installation and implementation have been excluded.

On September 17, 2014 the Authority issued **NTP 5** authorizing Motorola to proceed with Work related to Site Construction and Site Modification under Phase 2 for Additive Alternate No. 1, Home Subscriber Server (HSS). With respect to Phase 2, Site Construction and Site Modification, the services to be performed for Additive Alternate No. 1 involve minor site preparation activities in order to receive applicable equipment racks within the existing communications rooms at the Fire Command and Control Facility.

On September 25, 2014 the Authority issued **NTP 6** authorizing Motorola to proceed with ordering 40 additional standard equipment packages. As of NTP 6, Motorola is not authorized to proceed with ordering any equipment that is dependent on final design approval from the Authority, including for microwave and backhaul, until such time as the Authority has approved the final design for such sites and issues an NTP. The final site and backhaul design will be completed within 60 days of the Authority finalizing site locations and tower configurations.

On September 26, 2014 the Authority issued **NTP 7** authorizing Motorola to proceed with Phase 4, PSBN Implementation Work. The work related to the installation of the Primary EPC at FCCF consists of installing, optimizing, testing, commissioning, and deploying all of the Authority-authorized portion of the PSBN including, without limitation, all hardware, software, physical and network infrastructure, data, and all other deliverables and other work necessary to implement the full functionality of the PSBN and training staff on the use of the PSBN. NTP 7 excludes installation of the System Management Monitoring Servers (SMMS - the servers required to manage and monitor the PSBN).

On October 1, 2014 the Authority approved **Amendment 6** for the removal of three (3) PSBN Sites and to make the changes necessary to reflect the replacement of undisguised antenna support structures to disguised antenna support structures at 32 PSBN Sites. Amendment 6 increases the Maximum Contract Sum by \$2,613,300 from \$175,583,275 to \$178,196,575.

On October 10, 2014 the Authority issued **NTP 8** authorizing Motorola to modify the existing order of 40 sites contemplated in NTP No. 6 (standard antenna support structures - 70 foot undisguised monopoles) to order 40 sites worth of equipment considering any mix of antenna support structures (undisguised and/or disguised, with disguised antenna support structures limited to 31 sites pursuant to Amendment No. 6) that Motorola deems necessary to commence construction activities. As of this NTP, construction activities remain prohibited pending the Authority receiving FONSI and SHPO approvals.

On October 22, 2014 the Authority issued **NTP 9** authorizing Motorola to proceed with all Phase 4 Work related to the installation of the System Management and Monitoring Subsystem (SMMS) at the County of Los Angeles' Fire Department's Fire Command and Control Facility (FCCF). The NTP included the statement: "Motorola Solutions has agreed to provide a fully geo-redundant SMMS configuration (to

begin implementation in November, 2015).” Motorola provided clarification that the agreement was still under negotiation for cost and schedule delivery and that the deployment of the geo-redundant SMMS was predicated on the NTP for the redundant Evolved Packet Core (EPC).

On November 4, 2014 the Authority issued **NTP 10** authorizing Motorola to begin construction on 94 sites provided within the NTP.

On December 2, 2014 the Authority issued **NTP 11** authorizing Motorola to proceed with all Work necessary for ordering and installing site routers and core routers at FCCF, LAPDVDC, and all sites for Phase 3, Supply PSBN Components. NTP also authorized Motorola to proceed with all Work related to Phase 3 for Additive Alternate 2 Redundant EPC to be located at LAPDVDC.

On December 2, 2014 the Authority issued **NTP 12**, authorizing Motorola to proceed with ordering an additional 75 PSBN Sites worth of standard equipment, such as antenna support structures Evolved Packet Core (EPC) components, eNodeB components, antennas, and associated accessories for all sites that are not dependent on final design approval. Additionally, Motorola is authorized to proceed with the ordering of all Work related to Phase 3, Supply PSBN Components, and Phase 4, PSBN Implementation, for TMR Cabinets and TMR battery backup components for 75 PSBN Sites.

On December 30, 2014 the Authority issued **NTP 13**, authorizing Motorola to begin construction on 31 City of Los Angeles Sites listed in NTP.

On December 31, 2014 the Authority approved **Amendment 7** to make changes necessary to reflect the replacement of undisguised antenna support structures with various types of antenna support structures at eight PSBN Sites.

On January 22, 2015 the Authority issued **NTP 14**, authorizing Motorola to proceed with ordering 25 vehicular routers.

On January 28, 2015 the Authority issued **NTP 15**, authorizing Motorola to begin construction on the two sites VEFD001 and VEFD003

On February 5, 2015 the Authority approved **Amendment 8** for the removal of thirty-six (36) PSBN Sites, include six (6) new PSBN Sites and to make the changes necessary to reconcile the hose tower installation costs for twenty-eight (28) PSBN Sites. Amendment 8 decreases the Maximum Contract Sum from \$178,196,575 to \$166,254,679.

On March 3, 2015 the Authority issue **NTP 16**, authorizing Motorola to begin construction on the four sites; ARCPD01, AZPD001, ELMNTPD, LACF159.

On March 4, 2015 the Authority issue **NTP 17**, authorizing Motorola to proceed with ordering and implementing TMR cabinets for seventy-five (75) sites.

On March 3, 2015 the Authority and Motorola presented its project status report to the NTIA and NOAA representatives. The meeting highlighted the equipment procurement plan and implementation plan to deploy 182 sites by August 15, 2015. Motorola presented the updated PSBN system coverage maps based on the 182 sites.

On March 5, 2015 the Authority approved **Amendment 9** for the removal of twenty-four (24) PSBN Sites, include six (6) new PSBN Sites and to make the changes necessary to accommodate various changes in civil construction scope at applicable sites.. Amendment 9 decreases the Maximum Contract Sum from \$166,254,679, to \$158,930,274.

On March 10, 2015 the Authority issue **NTP 18**, authorizing Motorola to proceed with ordering the necessary microwave radio equipment and accessories to implement the PSBN microwave paths identified in the approved PSBN backhaul design.

On March 18, 2015 the Authority issue **NTP 19**, authorizing Motorola to proceed with all Work related to Phase 4 (PSBN implementation) for Additive Alternate 2, Redundant Evolved Packet Core (EPC) at the Los Angeles Police Department Valley Dispatch Center (LAPDVDC).

On April 2nd, 2015 the Authority issued a formal **Suspension Order**, directing Motorola to halt the procurement equipment.

On April 3<sup>rd</sup>, 2015 the Authority received a **Stop Work Notice** for all work and was issued a Corrective Action Plan (CAP) from NOAA to be submitted by April 13, 2015. Between 3/3/15 and 3/13/15 Motorola produced numerous supporting coverage scenarios for the Authority to include within the CAP response.

On April 16, 2015 the Authority issued a letter to Motorola requesting a plan for reduced scope and an analysis of cost impact. A Schedule was released on 5/07/15 and is updated on a weekly basis.

On May 7, 2015 the Authority issued **NTP 20**, authorizing Motorola to proceed with ordering the necessary microwave radio equipment and accessories to implement the PSBN microwave paths remaining as part of the CAP site list.

On May 7, 2015 the Authority issued **NTP 21**, partially cancelling the Suspension Order that was issued on April 3, 2015 and authorized construction to resume at the 69 sites identified in the Corrective Action Plan.

On May 7, 2015 the Authority issued **NTP 22**, directing Motorola to 1) look at options are returning Additive Alternate No. 1, the Redundant Evolved Packet Core (EPC), assigned to the Los Angeles Police Department Valley Dispatch Center (LAPDVDC) to Ericsson; (2) recover the redundant EPC for Motorola's use in other projects or (3) resell the Redundant EPC to a secondary market. Motorola is evaluating the cost impacts and the legal possibilities with the directive issued in this NTP.

On May 12, 2015 the Authority issued **NTP 23**, authorizing Motorola to order fiber optic equipment and provide services via contract between Fujitsu and Motorola in order to create a link between the FCCF and the City fiber ring. NTP 23 was limited to the County portion of the design.

On May 15, 2015 the Authority issued **NTP 24**, authorizing Motorola to order leased fiber services from AT&T, Verizon, and Time Warner to provide connections between the applicable CAP sites and the FCCF EPC site.

On May 15, 2015 the Authority issued **NTP 25**, directing Motorola to 1) return the excess PSBN equipment to its manufacturers, 2) recover the excess equipment for Motorola's use in other projects,

or 3) resell the excess PSBN equipment to a secondary market, in accordance with the list of equipment in the NTP. Motorola is evaluating the list of equipment provided in the NTP and the cost impacts and the legal possibilities with the directive issued in this NTP.

On May 20, 2015 the Authority issued **NTP 26** Authorizing Motorola to order fiber optic equipment and provide services via contract between Fujitsu and Motorola to create a link between the EPC located at the Los Angeles County Fire Department's FCCF facility and the City Los Angeles fiber ring. NTP 26 expands upon the products and services in NTP 23 to include the City portion of the fiber scope.

On June 18, 2015 the Authority approved **Amendment 10** for the Inclusion of 15 Cell-On-Wheels and the Construction Restoration Work at 30 PSBN Sites.

On June 25, 2015 the Authority issued **NTP 27** Authorizing Motorola to proceed with all Phase 1 (System Design) Work for fifteen (15) Cell-On-Wheels (COWs) sites.

On June 30, 2015 the Authority issued **NTP 28** Authorizing Motorola to proceed with all Work related to construction restoration for thirty (30) PSBN Sites that have been removed from the program.

On June 30, 2015 the Authority issued **NTP 29** Authorizing Motorola to proceed with ordering nine hundred and seventy-five (975) VML-750 in-vehicle router units.

On July 16, 2015 the Authority approved **Amendment 11** to add 15 Cell-On-Wheels (COWs) and the PASDNPD site to the PSBN program.

On July 16, 2015 the Authority issued **NTP 30** Authorizing Motorola to proceed with all Phase 2 (Site Construction and Site Modification), Phase 3 (Supply PSBN components), and Phase 4 (PSBN Implementation) Work for fifteen (15) Cell-On-Wheels (COWs).

On August 13, 2015 the Authority approved **Amendment 12** to remove forty-two (42) sites from the PSBN system, authorize the removal of seven (7) tower foundations at the applicable restoration sites, to purchase 5,000 Universal Integrated Circuit Cards (UICC), purchase of five (5) CISCO routers and five (5) corresponding units of data services, and approvals for applicable change orders.

On August 13, 2015 the Authority issued **NTP 31** Authorizing Motorola to proceed with ordering five thousand (5,000) standalone universal Integrated Circuit Cards (UICCs)

On September 1, 2015 the Authority issued **NTP 32** authorizing Motorola to proceed with ordering five (5) CISCO routers and five (5) corresponding units of data and related Work that are capable of operating a 4G cellular aircard on a commercial carrier that will allow Motorola and the Authority to temporarily test eNodeB sites in the event that the permanent backhaul solution is not available at the time of site commissioning.

On September 4, 2015 the Authority approved **Amendment 13** to confirm the prior removal of 77 additional sites.

On September 23, 2015 the Authority issued **NTP 33** authorizing Motorola to proceed with replacing the security certificates at the EPC core.

On October 9, 2015 the Authority approved **Amendment 14** to adjust the contract for scope changes to tower sites.

On October 15, 2015 the Authority issued **NTP 34** instructing Motorola to provide a portion of the training plan for 9 classes.






There were no new NTPs or Amendments during Reporting Period #21 (10/19/25 to 11/14/15).

On December 17, 2015 the Authority Approved **Amendment 15** to: (a) Settle and resolve all outstanding claims with the Contractor, including all claims from Contractor's subcontractors, and including all known and all potential future claims through the completion of the work under the Agreement; (b) Approve payment to the Contractor of \$15,764,246 in the specific amounts for the specific claims identified in tab C.16 of Exhibit C (Schedule of Payments) attached to the Amendment; (c) Approve the reduction of project management fees payable to the Contractor in the Agreement for sites not constructed, for a total reduction in project management fees of \$5,078,774, as reflected in tabs C.3, C.4 and C.5 of Exhibit C (Schedule of Payments) attached to the Amendment; and (d) Authorize an increase to the Maximum Contract Sum by the net amount of \$10,685,472 from \$132,899,485 to \$143,584,957.

**This report covers the period from 11/16/15 to 12/19/15**

There were no new NTPs or Amendments during Reporting Period #22 (11/16/15 to 12/19/15).

The following table provides a dashboard snapshot of the projects' health signs.

PSBN Project Dashboard			
Category	Rating	Change	Comments
Schedule			Testing, Training, Documentation, and Punchlist items remain on schedule to be completed during the Warranty Period 10/1/2015 to 9/30/2016.
Quality			Generator wiring and alarms need re-work to correct deficiencies.
Risk			Delayed utility power, carrier fiber circuits, and site access will push 20-25 sites into January for turn-up.
Scope			The contract has been amended to account for the remaining site tower and location changes.
Budget			No current budget issues to report.

## 2. Project Status

The following sections identify task activities during the reporting period and the planned activities for the next reporting period.

### 2.1 Tasks In-Progress and Completed

The following depict the task activity that occurred during the current reporting period.

Activity Name	Activity Status
<b>LA-RICS Deliverables</b>	
Provide Access and Escorts to EPC and RAN Sites	As Needed
<b>System Design Activities</b>	
Network Management System Design Update With Comments	In Progress
Cell on Wheels (COW) Design Activities due to Changes	In Progress
<b>Site Construction &amp; Site Modification (Phase 2)</b>	
Finalize Activities beyond Substantial Construction Complete	In Progress
<b>System Implementation (Phase 4)</b>	
LTE EPC Install & Configuration / Test Station (eNB)	In Progress
Closeout documents & as-built drawings	In Progress
Site Commissioning	In Progress

### 2.2 Tasks Planned for Next Period (12/21/15 thru 1/22/16)

The following depict the task activities that are planned for the next reporting period.

Activity Name	Planned Status
<b>LA-RICS Deliverables</b>	
Provide Access to Sites	In Process
Construction Inspections	In Process
<b>Zoning and Permitting</b>	
Cell on Wheels (COW) Permit Activities due to scope change	In Process
Construction Drawings due to scope changes	In Process
<b>Site Construction and Site Modification (Phase 2)</b>	
Final Electrical Hook up	In Progress
<b>System Implementation (Phase 4)</b>	
LTE EPC Install, Configuration, Testing	As Needed
Redundant EPC (Additive Alternate #2) <u>(Removal)</u>	ON HOLD
Site Commissioning	In Progress
Cluster Tuning	Start
Submit Closeout documents & as-built drawings	In Progress

## 2.3 Authority Look-Ahead Tasks (120-Day)

For the Authority planning purposes the following table provides a one hundred twenty (120) Day look-ahead of the Authority-specific activities to conduct coordination, inspections, approvals, consents, and or provide decisions necessary from the Authority to facilitate Contractor's progress.

Activity Name	Start
<b>LA-RICS Deliverables</b>	
Provide Access to Sites	On Plan to Finish
<b>System Design Activities</b>	
Review Submitted Changes to System Design & Backhaul Design	On Plan to Finish
<b>Acceptance Test Plan</b>	
Revised ATP Review and Approvals	On Plan to Finish
<b>Site Design Activities</b>	
Site Walk Escorts	On Plan to Finish
Cell on Wheels Design Activities	On Plan to Finish
<b>Site Construction and Site Modification (Phase 2)</b>	
Site Inspections	On Plan to Finish
<b>System Implementation (Phase 4)</b>	
EPC & Network Management Installation Testing ( <u>Potential Reconfiguration</u> )	As needed
PSBN Site Equipment Inspections	As needed
PSBN Training	In Process
PSBN Tuning and Testing	In Process
PSBN Coverage Testing	In Process
PSBN As-Built Documentation Review	In Process

## 3. Project Risk Register

For this monthly report, the following items are at risk.

Title	Assigned	Impact	Risk Description	Status
Equipment Order NTPs	LA-RICS	High	NTP for core spare equipment	Requires NTP for remaining units
Generator Commissioning	MSI	Med	Parts shortage due to union worker strike	Working with suppliers to source parts

## 4. Areas of Concern

This section describes any events and or circumstances of which the Contractor is aware that has delayed or may delay project activities and what corrective or remedial actions was taken or will be taken to resolve the issue. Outstanding Issues Log (the "Oil Log") entries are also tabulated and monitored in this section. "Oil Log" items include, for example, sequencing, infrastructure, site access,

coordination issues, congestion of workers and equipment, time requirements for design, procurement, and installation.

ID	Event / Circumstance	Remedial Action Taken or Required
21-02	10 COW Sites have delayed Power and Backhaul	Authority is working with SCE. Bringing power and fiber to the 10 SCE COWs is SCE responsibility.

## 5. Disputes and Claims

This section describes any disputes, potential claims, and claims made during the reporting period.

Dispute / Claim / Potential Claim	Status / Actions	Resolution Date



## 6. Financial Status

The following table represents the invoice payments that have been completed to date. The revised Contract Sum amount based on the Corrective Action Plan is being reviewed by the Authority and Motorola. For this reporting period the Contract Sum is based on Amendment 14.

PSBN Invoice Payment Category	Invoice Payment Totals
PSBN Contract Sum Full Payable Amount (Phases 1-4)	\$ 91,771,405
Cumulative Invoice Payments from Last Report	(\$ 37,610,347 )
Total Invoice Payments This Period	(\$ 245,000)
Remaining Amount to be Paid	\$ 53,916,058

## 7. LA-RICS PSBN Project Schedule

The Suspension Order and subsequent Corrective Action Plan (CAP) required the project schedule re-planning efforts to start over with a revised site list, revised scope, and remobilization start dates. In response to the CAP, Motorola presented a new schedule update on May 7, 2015, reflecting the revised scope and remobilization. Since May 7th, Motorola has provided weekly schedule updates. Final Documentation, Testing, Punchlist Resolution, and Training are scheduled to be completed during the warranty period ending September 2016. This Monthly Report is being submitted with a copy of the schedule update corresponding to the Data Date for the reporting period.

This page intentionally left blank  
See attached PSBN Summary Schedule (PDF file)



**LOS ANGELES REGIONAL INTEROPERABLE  
COMMUNICATIONS SYSTEM AUTHORITY**

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

PATRICK J. MALLON  
EXECUTIVE DIRECTOR

January 7, 2016

To: LA-RICS Authority Board of Directors

From: Patrick J. Mallon  
Executive Director

**OUTREACH UPDATE**

The purpose of this discussion item is to update your Board on the status of outreach pertaining to the Land Mobile Radio (LMR).

Stakeholder outreach continues to involve support for the LMR Environmental Impact Report (EIR) public hearing period on the draft EIR, the continued planning and initiation of the first round of stakeholder meetings, and the continued development and distribution for the bi-monthly ongoing communications newsletter.

The following table represents Outreach Communication Presentations conducted since your last outreach update:

<b>LA-RICS OUTREACH COMMUNICATIONS MATRIX</b>	
<b>Municipality</b>	<b>Presentation Date</b>
<b><i>Agoura Hills Land Use Economic Development Committee</i></b>	December 17, 2015
<b><i>City of Temple City</i></b>	December 30, 2015

The Outreach Team finalized the PowerPoint presentation for the Palmdale/Lancaster stakeholder meeting that was scheduled for December 22, 2015; however, at the

**AGENDA ITEM E**

request of the City Manager of Lancaster, the meeting was cancelled and will be rescheduled for a later date in January 2016.

As mentioned in previous Outreach Updates, the purpose of the Stakeholder Outreach Meetings is to provide an update on LA-RICS, re-introduce LMR, and provide updates on California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA), Site Access Agreement (SAAs), the funding plan, and the construction notification process. The goal of the outreach team is to meet with the City Manager, Fire and Police Personnel, and/or representatives from Planning Departments or information offices of the jurisdictions. The outreach team works to match a representative from LA-RICS with each of the personnel from the jurisdictions.

In addition to meeting with personnel from the jurisdictions in which the LA-RICS sites will be located, the LA-RICS Outreach Team will also be meeting with the parcel owners of the sites to provide them with information about the LMR project.

The Outreach Team conducted door-to-door outreach to businesses/residents within 500 feet of the County of Los Angeles Sheriff's Department (LASD) Temple Station site in Temple City on December 14, 2015. The Outreach Team spoke to 19 residents and business representatives and disseminated fact sheets to 56 homes and businesses in the community. This site was very dense with a large number of businesses surrounding the area, a total of 21 businesses. Most residents and business representatives were appreciative of the outreach in the community. There were no major concerns or comments related to the project. The community seemed unmindful of the tower.

The Outreach Team also conducted door-to-door outreach to businesses/residents within 500 feet of the Rolling Hills Transmit (RHT) site in Rancho Palos Verdes on December 15, 2015. The Outreach Team spoke with three entities and disseminated fact sheets to the Terrace Townhomes Property Manager. The outreach team was told by the Property Manager that they had a strict no soliciting policy, therefore, they were only allowed to leave the 500' Radius Map, the LA-RICS Fact Sheet and photos of sample monopole and lattice towers.

Please see the information below that pertains to the individuals that received door-to-door outreach of the proposed RHT LMR site:

Kate Flanagan, Executive Director  
Congregation Ner Tamid Synagogue  
5721 Crestridge Road, Rancho Palos Verdes, CA 90275  
310-377-6986 ext 224  
[klfanagan@nertamid.com](mailto:klfanagan@nertamid.com)



Judith C. Uy-Villaruz, Executive Director  
Belmont Village of Rancho Palos Verdes  
5701 Crestridge Road, Rancho Palos Verdes, CA 90275  
310-377-9977 ext 102  
[juyvilla@bellmontbvillage.com](mailto:juyvilla@bellmontbvillage.com)

Shannon K. Pewtress, Executive Director  
The Canterbury  
5801 Crestridge Road, Rancho Palos Verdes, CA 90275  
(866) 553-9956  
[spewtress@thecanterbury.org](mailto:spewtress@thecanterbury.org)

Lastly, the Outreach Team continued to plan for the next newsletter, which will be distributed in January 2016. Additionally, during this time period, the Outreach Team prepared the draft LMR EIR public meeting flier and display ad, as well as coordinated with the mail house vendor for the EIR public meetings to confirm availability of venues for the public meetings.

PJM:WST:pl



## LOS ANGELES REGIONAL INTEROPERABLE COMMUNICATIONS SYSTEM AUTHORITY

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

PATRICK J. MALLON  
EXECUTIVE DIRECTOR

January 7, 2016

Board of Directors  
Los Angeles Regional Interoperable Communications System ("LA-RICS") Authority  
(the "Authority")

Dear Directors:

### **2016 VENUE CHANGE OF LA-RICS BOARD MEETINGS**

#### **SUBJECT**

At your meeting of December 17, 2015, your Board approved the 2016 Schedule of LA-RICS Board Regular Meetings. At that time, the meeting location was set at the Kenneth Hahn Hall of Administration located at 500 West Temple Street, Los Angeles, California, 90012. It is now proposed that the location for the 2016 Board meetings be changed to the County of Los Angeles Sheriff's Department, Scientific Services Bureau located at 1800 Paseo Rancho Castilla Street, Los Angeles, California 90032. In the event that the facility may not be available on any regular meeting day, the Board Secretary will notify the Board of the alternative location.

#### **RECOMMENDED ACTIONS**

It is recommended that the Board:

Set the new Venue location of the County of Los Angeles Sheriff's Department, Scientific Services Bureau for the Calendar year 2016 Board Regular Meetings.

**AGENDA ITEM F**

**PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION**

The approval of the recommended action will set the new location for each Regular Meeting of this Board for Calendar year 2016.

Respectfully submitted,



PATRICK J. MALLON  
EXECUTIVE DIRECTOR

PJM:WST:pl

c: Counsel to the Authority