

**Meeting Minutes**  
**California First Responder Network Board**  
December 2, 2015  
Sacramento, CA

**MEMBERS PRESENT:**

Karen Wong, California Governor's Office of Emergency Services (CalOES)

Sue Plantz,

California Governor's Office of Emergency Services (CalOES)

Steve Yarbrough,

California Governor's Office of Emergency Services (CalOES)

Barry Fraser, Bay Area Regional Interoperable Communications Systems Authority (BayRICS)

Kevin Guerrero, California Department of Forestry and Fire Protection

Scott Howland, California Highway Patrol

Pat Mallon, Los Angeles Regional Interoperable Communications System (LA-RICS)

Nathan Trauernicht, California Fire Chiefs Association

Adelina Zendejas, California Department of Technology

Craig Johnson, Emergency Medical Services Authority

Ferdinand Milanes, California Department of Transportation

Paul Troxel, Placer County Sheriff's Department

**MEMBERS ABSENT:**

Cynthia Gomez, California Governor's Tribal Advisor

Edward Bonner, California State Sheriff's Association

Bill Hartley, Emergency Medical Services Authority

Mitch McCann, California Police Chiefs Association

Tony Tavarez, Department of Transportation (DOT)

**GUESTS:**

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Keoni Kali, FirstNet

Clare Gallaher, National Telecommunications and Information Administration (NTIA)

Natalie Romanoff, NTIA

### **STAFF PRESENT:**

Yolanda Villasenor, Public Safety Communications (PSC)

Paul Dumetz, Public Safety Communications (PSC)

Phillip Killion, Public Safety Communications (PSC)

Romi Lal, Public Safety Communications (PSC)

Mathew Evans, Public Safety Communications (PSC)

Peter Town, Public Safety Communications (PSC)

David Lee, SAIC

Michael Boyden, SAIC

### **I. CALL TO ORDER**

- Karen Wong called the California First Responder Network (CalFRN) Board of Directors meeting to order.

### **II. INTRODUCTION OF FIRSTNET AND NTIA ATTENDEES**

### **III. APPROVAL OF MAY 2015 MEETING MINUTES**

### **IV. May 2015 Meeting Minutes approved. FIRSTNET IN CALIFORNIA PROGRESS SINCE LAST**

#### **MEETING BY KAREN WONG**

- Almost 400 responses received for the Data Collection survey.

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- California cyber security representative submitted comments to FirstNet regarding draft Request for Proposal (RFP) Cyber Security Appendix. About 40 submissions overall received by FirstNet.
- Karen noted that OES is analyzing the definition of “rural” and will provide the results to the board.
- Cal OES recently hosted the first FirstNet regional Programmatic Environmental Impact Statement (PEIS) meeting on 11/19, including western state representatives from Oregon and Washington. Karen gave credit to David Soloos, Oregon, for spearheading the meeting. After similar meetings with other regions, the draft PEIS report will be available in summer of 2016.
- This month we’ll be having a State Government Town Hall on 12/8. Karen thanked Chief Guerrero for emphasizing the importance of involving state government in outreach.

### V. FIRSTNET OVERVIEW BY KEONI KALI

- **Data Submittal Summary.** Keone thanked California for a great response to FirstNet’s data collection request. FirstNet received over 11,600 survey inputs nationwide.
- **Acquisition Update.** The FirstNet board meeting is next week. RFP is still planned to be released at year’s end. RFP will be released on FedBizOpps website and the Federal Register. SPOCs will be notified when released.

#### 2016 Consultation Vision.

- Three focus areas for 2016 Consultation activities are:
  - Expanded outreach and education

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- Obtaining state input regarding state plans and deployment policies and procedures
- Preparing key decision makers
- In 1Q2017 state plans are expected to go to governors for decision. Therefore, FirstNet will be meeting with states in late 2016 regarding state plan contents. State plan outlines are expected to be available in 2Q2016.
- In 2016, there may be a large meeting, and/or there may be small meetings to obtain state input in regards to the California plan for FirstNet.

### **2016 Expanded Outreach and Engagement**

- e.g., city councils, CIOs, metropolitan leaders.
- Karen noted this list is HUGE in California and would require a team approach.
- Barry Fraser added outreach should include city attorneys and county counsels, since they'll be involved granting right-of-ways and similar issues.
- Keone agreed, adding the need to streamline outreach material, use train-the-trainer, and other approaches to get the word out.

### **2016 Consultation Milestones.**

- SPOC kick-off meeting to plan 2016 outreach meetings.
- Governing body meetings with those responsible for potential subscribers.
- Technical discussions with Consultation Task Teams (CTT) regarding topics such as cyber security, priority and preemption, local control, device ecosystem, the need for cloud services, and other topics. The workshops will be via webinars. The CTTs will be working groups of local stakeholders knowledgeable of the particular topics.

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- Karen noted CTT meetings will be a focus in 2016 for California; will need to identify stakeholders for these topics, instead of town halls.
- Keone offered to help identify the target audience for these workshops.
- Executive Consultations will include Governor's office meetings.
- Regarding letters to governors, there will be another letter coming out providing FirstNet basic information and subsequent letters quarterly.
- Also, an email regarding PEIS will be coming out soon.
- Asked when FirstNet will know where they intend to co-locate with state facilities and what they'll require of states, Keone responded that FirstNet won't be doing this; it will be a responsibility of the contractor partner.
- Keone will be available for all future CalFRN Board meetings. He added FirstNet outreach staff with fire, EMS, and law enforcement expertise will be available to support California with outreach.
- Karen noted Adam Geisler was hired by FirstNet to support tribal outreach; a great hire. Margaret Muhr, the other tribal hire, is also from California.

**VI. PSAC UPDATE BY BARRY FRASER**

- Public Safety Advisory Committee (PSAC) membership expanded to 44-45 members.
- Held a meeting in June in San Diego and a webcast in September.
- PSAC has three specific task teams:
- **Priority and Preemption**
  - Began by identifying over 100 use cases, then plugged them into actual incidents to predict how first responders may use the NBPSN. Don't expect to invoke priority and preemption except for incidents involving large amount of

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first responders in a small area, i.e., a single cell site. This case may require manual intervention. Most all other instances will be managed dynamically and automatically by the network.

- May have a summary report to distribute after the Dec. FirstNet board meeting.
- Barry sat in on a demonstration in Boulder and it looked very good. They were able to incorporate 200 users in an incident area and were automatically accommodated with no manual intervention required.

- **Public Safety Grade**

- i.e., hardening infrastructure. PSAC, working with FirstNet engineers, began by identifying critical assets, such as fire stations, police stations, and hospitals across the nation and mapped them in 1mi. x 1mi. grids. They then applied filters to “normalize” the data. Further, they looked at types of geographic hazards, such as hurricanes, earthquakes, etc., but didn’t have time to identify them by geography. PSAC recommended that this work be done during state consultation. This work is intended to prioritize which sites to harden, since we can’t afford to harden all of them.

- **User Equipment**

- – What devices and what users needed to have on their devices; e.g., wearables.

- All three reports are submitted to FirstNet for approval.
- PSAC will next meet on 12/9-10 in Houston, in conjunction with the FirstNet Board meeting.

Two other technical items:

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- The National Public Safety Telecommunications Council (NPSTC) is establishing three new working groups:
  - **LTE to LMR migration;** timeline and transition.
  - Karen would like John Lemon to join the working group.
  - Pat Mallon added this topic is relevant to LA-RICS as their requirements are to build an LMR system, but have to reduce the number of LMR users by transitioning non-mission critical users to cellular voice service.
  - **Unmanned aircraft systems and robotics,** including legal policies.
  - **Broadband emerging technologies** – NPSTC establishing this group to cover unanticipated needs, say, if FirstNet requires someone to work a particular issue.
- The Public Safety Communications Research (PSCR) Location Based Services Summit was held in Colorado. Separate from 9-1-1 caller location, attendees were looking at situational awareness, e.g., where officers are, where assets are, etc. Talked about wearable technology. Goal was to provide PSCR input to help direct where to spend its research and development (R&D) funds.
  - Karen asked if there is any work groups associated with connecting 9-1-1 with FirstNet. Barry responded no, as PSAC only does work requested by FirstNet.
  - Karen asked that Keone pass along anything regarding location based accuracy from FirstNet that can also be leveraged by 9-1-1. This includes not only items relevant to NG9-1-1, but also 9-1-1, given FirstNet's deployment timing.

### VII. DATA COLLECTION UPDATES BY STEVE YARBROUGH

- Steve displayed California's revised coverage objectives map that was submitted to FirstNet.

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- Calls for service were mapped. They then added threats such as earthquake, fire threat, flooding threat, as well as tribal areas.
- They used survey data received to extrapolate to areas where no data was received.
- California's message to FirstNet was: Areas presently covered are not necessarily the only areas where we will require coverage.
- Karen added FirstNet's baseline wasn't far off, and our team was able to add to it. The team did back out some of the wildland fire area; otherwise, the entire state would be covered. The premise was that those areas may be supported by FirstNet enabled deployables. Karen also noted that the federal government entities are working with FirstNet on coverage in federally owned lands.
- Relating to strategic pre-positioning of deployables, Pat Mallon noted the importance of identifying existing cable, microwave and fiber connections for backhaul.
- Karen added that Adelina is working to identify where broadband is located throughout the state for rural healthcare and education. This data can be useful for our purpose as well.
- Kevin Guerrero requested the GIS files for the map to validate the data, and asked whether Cal OES had the CAL FIRE severity fire zone information.
- Steve confirmed CAL FIRE was used, and Karen added that California hasn't officially given the map to FirstNet yet.
- Keone noted that the final legal definition of "rural" is fairly narrow. The overwhelming portion of the United States is considered rural. In fact, 97.6% of the land mass is considered rural. So, there will be substantial rural coverage based on this definition.

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However, the metro vs. rural proportional metric is still being developed. Rather than focusing on “substantial,” he suggested the board think about what are significant, high value rural areas and justify these.

### **VIII. LA-RICS STATUS UPDATE BY PAT MALLON**

- Completed 63 permanent sites and 14 systems on wheels (SOWs) by Sept. 30, as required by NTIA.
- Currently in the process of system optimization and tuning.
- System will be online and supporting the Rose Parade, including 14 cameras.
- Performed a “beta” test during West Hollywood Halloween party. During the party, AT&T and Verizon COWs throughput was down to 0.5 Mbps but Band 14 data speeds were fine. In fact, was able to direct officers to a man-down using video.
- In general, Pat is a little concerned regarding comments received about FirstNet’s secondary users definition, that is, narrowing it to just full time public safety users. For example, when putting service on buses, you wouldn’t want to be on commercial service competing with the public for access during an emergency evacuation.
- Barry Fraser stated: I support what Pat is saying, we need a broad definition of public safety users. I want the states to be able to decide who should have service. Priority and preemption can help manage use.
- Craig Johnson stated: I agree, during a response, we need to have the broadband available to all responders.
- Keone Kali remarked: The key is authenticating the users. You have to be on the network to actually use the network. So, there is some planning required.

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- Nathan Trauernicht said: We want to approach this strategically. I imagine a cache of devices that could be distributed when necessary. I think we need to be cautious before opening the door.
- Kevin Guerrero: A lot of this will be incident driven and will fall under the control of an incident commander.
- Pat Mallon asked if we should consider a state fee such as for 9-1-1 to help support the public safety broadband.

### **IX. PUBLIC COMMENTS**

- Rob Osborn (CPUC) commented on need to specify service levels when talking about coverage. Keone concurred, describing capacity considerations particularly for urban areas, while in rural areas coverage is the initial challenge.

### **X. ADJOURN**

- We would like to continue our meeting schedule every other month. Next meeting will be in February 2016.
- Meeting was adjourned at 12:06 pm.