



## ***“Capital-Bay Area Planning Area”***

### **California Statewide Interoperability Executive Committee (CALSIEC)**

In partnership with Public Safety Radio Strategic Planning Committee (PSRSPC)

#### **Draft Meeting Notes**

October 27, 2006 | 11:30 pm- 2:30 pm

Cordelia Fire Station -- 2155 Cordelia Road Cordelia, CA

**Meeting Purpose:** To initiate the formation of the establishment of the Capital-Bay Area CALSIEC Planning Area to work in collaboration with the statewide CALSIEC (<http://www.calsiec.org/>) and the Public Safety Radio Strategic Planning Committee (PSRSPC)(<http://psrspc.ca.gov/>). *Counties in Capital-Bay Area Planning Area of CALSIEC include:* Alameda, Contra Costa, Lake, Marin, Mendocino, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano, Sonoma, Alpine, Amador, Calaveras, El Dorado, Nevada, Placer, Sacramento, San Joaquin, Stanislaus, Tuolumne, Yolo. Del Norte and Humboldt may chose to link to other CALSIEC Northern Planning Areas.

**Next Meeting Date:** December 14, 2006, 10:00 am - 2:00 pm.

**Summary of Attendance:** Full list of attendees included at back of notes.

#### **Key Themes & Action Items:**

- Define and assess resources, coordinate resources.
- Establishing voice interoperability is first priority, data is second priority.
- For success need consistent participation from all, at all levels.
- Focus on simple things that can be done now.
- Need channels coordinated and used right.
- Need to do more outreach. Specifically need to coordinate more with the CHP.
- Keep MARS II and IV together (versus splitting up into mutual aid region based groups).
- Don't forget about or leave out smaller jurisdictions (versus larger urban areas). They are important too.
- Jurisdictional leaders need to back projects.
- Want to be inline with statewide mission; Frustrated with State OES.
- Richard Osborne(OES) will talk with his management and DGS about frequencies.
- Goal for next meeting is to accomplish specifics. (1) Take all channels and divvy up; (2) Frequency List
- Facilitators to revise draft Charter based on feedback and present new draft for next meeting.

#### **I. Welcome and Greetings**

Local host Dan Caulfield started with a welcome. Dan works for Day Wireless but for the day he is a local resident supporting Cordelia Fire and the community. Richard Osborne, Acting Chief, Telecommunications, State OES then did a welcome. He thanked everyone for coming. He said interoperability has been a big issue for a long time and that State OES was here to learn and plan. He asked for a show of hands on how many have gateways in their jurisdictions. There were many hands. He then asked how many are operational? Tested? Exercised?

Julia Lee and Sarah Rubin, facilitators, CSU Sacramento, Center for Collaborative Policy, welcomed participants and then started off a round of introductions. Julia noted how exciting the response for the day's meeting was. She explained that the job of the facilitations is to keep the group on time and focused.

Julia went over the purpose of the meeting and reviewed the agenda. Julia reiterated that this was the first meeting of this whole planning area, mutual aid regions II and IV. She also noted that the day's speakers and presenters might move quickly through some technical information since the group is so sophisticated. Sarah reviewed the ground rules and gave a special welcome and thank you to the operators of the four Mobile Command Post Vehicles that were outside for all to see -- Solano County OES, Folsom Police Department, San Ramon Valley Fire, and the Military Department's IC4U.

## **II. California Interoperability: Introductory Information**

Vinnie Buehler, Office of Homeland Security went over the packet of 'read ahead' entitled "California Interoperability: Introductory Information." Vinnie explained that his boss Robert Samaan, Deputy Director, OHS and CALSIEC and PSRSPC member was sorry he could not attend the day's meeting. Vinnie explained that in visiting other planning areas not everyone was on the same page as far as interoperable communications. Some people had not heard of the term 'gateway' for example. So Vinnie put together the packet and then went through the table of contents. (The packet can be accessed on the web at [www.calsiec.org/meetings](http://www.calsiec.org/meetings).)

## **III. CALSIEC Mission, Vision, Governance**

Bill Decamp, CALSIEC & PSRSPC Member, Sr. Engineer, California Dept of General Services (DGS) went over the CALSIEC Mission, Vision, and Governance. He touched on the background of CALSIEC and operability over the last decades, the CALSIEC Mission and Vision statement and then he got into Governance. The California Interoperability Governance model relies on two objectives:

- Performance: contribution to the overall performance and delivery of services to the public safety community and ultimately the larger constituency they serve.
- Adherence: commitment to ensuring that requirements of the law, regulations, and community standards of accountability and transparency are met.

With leadership from OES, key stakeholders representing various disciplines, jurisdictions, and levels of government play an important role in creating and sustaining partnerships essential to the governance structure. He then reviewed a helpful diagram laying out the relationships. View this information online.

Before breaking for lunch Adam Sutkus, CCP, announced an important upcoming joint CALSIEC and PSRSPC meeting. The Validation/Beta Test Meeting to review the PSRSPC 2006 Report to the California State Legislature will be held on Tuesday, November 21, 2006 from 1:30 pm to 4:30 pm. Adam explained that there is a requirement for the PSRSPC to do a report to the legislature and that the cycle for this year is well under way. There's a desire to reach out aggressively to CALSIEC members and the 11/21 meeting is an opportunity for people around the state to take a look at the draft report. Adam rhetorically asked "What's in it for you?" And he then explained that there is so much happening in the field, many elements of which are going to be addressed in the report including funding.

## **IV. ABC's of operability and interoperability**

During the working lunch Bill DeCamp and David Golden presented on the ABCs of Interoperability. Slides from the two presentations can be viewed at the [calsiec.org](http://calsiec.org) website.

Bill touched on operability and interoperability concepts at a high level and at a detailed technical level. Interoperability is: The ability to talk to who you need to when you need to. Operability must be addressed before interoperability. He referenced the SAFECOM continuum, gateways, shared channels (mutual aid), proprietary shared systems and standards based shared systems. Communications systems need to be functional, operable, and personnel are needed to maintain the system. He also hit on narrow banding issues and the FCC mandate to change from wide band to narrowband by January 1, 2013.

David Golden, Chief of the Adjutant General, State Military Department, then gave a presentation. He talked about how the National Guard is an asset to all local jurisdictions and a lot of people don't realize that. He noted that the perspective of the slides is from the military department and it is not supposed to be taken as authoritative. He highlighted their new asset called the IC4U for "Incident Commanders, Command, and Communications Unit". The specialized communications equipment contained in the IC4U links voice/data/video from many sources for satellite uplink to a joint operations headquarters. The IC4U uses the latest technology to link radios from federal, state, local, military as well as emergency "Ham radio" operators into a common "talk-group" system. David explained that his efforts have really been about building a solution to interoperability challenges from an IT perspective.

#### **V. Demonstration of Local Systems**

There were four command vehicles set up in the parking lot for all to tour. Everyone was encouraged to take some time after the meeting to check the vehicles out. Each jurisdiction gave a brief summary about their vehicle.

##### *Folsom Police Department*

Chuck Schuler, Folsom PD, gave a presentation on his command vehicle and started off with some slides. They support everyone with a restroom, galley etc. but the focus of course is communications. Every single radio is in one place. They also have satellite phones and they have walk up phones. There is lots of capability and there are 32 resources in the vehicle. They can tie into a server. The radios all interface and tie into the servers and they have VOIP. The computers live in the vehicle. They can also feed other units. Finally, they can link systems together. Next he showed his system live. He went over all the icons. It works as a touch screen.

##### *San Ramon Valley Fire*

Chris Suter, San Ramon Valley Fire explained their Comm Vehicles capabilities. They have an ACU1000. Attached to the ACU are: Ma-Comm and Motorola trunked/conventional 800 Mhz, 2 UHF, 2 VHF and 2 Low Band radios. Also have walk up portable radio capabilities with all common portable cables, including Nextel and POTS phone. The unit also has a Restroom and Galley, 4 Dispatch positions with a console with cross patch capabilities including: Ma-Comm and Motorola trunked/conventional 800 Mhz, 4 UHF, 4 VHF and 2 Low Band radios, Aircraft and Marine radios. The console can also access the ACU1000 radios. There are also 3 Amateur radios. Covering HF 2M, 440.

They can record video for 160+ hours continuously and they have a voice logging capability. They have 32 portable VHF (Analog or P25) radios and as a part of the Contra Costa County 320 radio cache. They work on AA batteries to avoid trying to charge many batteries. There is also a 16 Radio UHF (Analog only) cache and a portable, battery operated VHF/UHF Digital or Analog repeater.

A phone switch is on board with 18 sets, 6 inside and 12 deployable outside, these are 20-line phones. The switch is attached to 3 Cell phones, 1 Sat Phone and 2 VoIP phones. Up to 20 POTS lines can be brought to the truck if available.

Broadband Satellite Internet is also available as is Satellite TV with News and local programming.

### Solano County OES

Kevin Ives, Emergency Services Sergeant, Solano County Office of Emergency Services talked about their command vehicle. They've been in service for about 3 years. They are third alarm for many fire departments. They've been very pleased with the response they've gotten. Everyone was encouraged to come out and check out the vehicle.

### National Guard/Military Department

David Golden explained the capabilities of the IC4U during his presentation during lunch.

## **VI. City, County, and Operational Area Presentations**

All participants were asked to provide a snap shot of information about their county, city, or operational area as far as their operability needs, interoperability needs, who they are partnering with and gateway information.

### Alameda County

- In 2003 the Board of Supervisors recognized the problem and authorized \$5.25 Million.
- They are working on short and long term solutions
- Simil. VHF systems
- Interoperability: they have four sites for interop communication. They have mutual aid channels but no frequencies.
- CALSIEC had to catch up to them.
- Need to coordinate frequency use.
- Have been working on Smartlink program – Contra Costa and Solano have built an interoperable radio system
- Looking to tie to CHP and Military frequencies.

### Placer County

- Digital Trunking
- Had a mish-mash of old equipment.
- Now they have a Motorola P25 compliant smart zone system
- They needed frequencies
- Now have more channels. 22 sites, 3 zones and 3-5 IR sites
- Roseville/Placer Fire: have gateways into a trunked system
- Deal with traffic within the county
- Seeking authorizations; doing this with general fund money.
- Need to enhance 800 mhz
- Need and want back up

### Sacramento County

- Communication link system allows direct mobile to mobile system; officers can talk directly through the backbone.
- Working with Placer and Solano counties through the ABAG system on microwave
- Traded with UC Davis, Davis and Roseville
- Calexpo has its own system and the County has traded with them.
- Don't have authorization to use frequencies

### San Francisco City/County

- Have an interoperability working group – focused on both voice and data
- Have an 800 mhz system
- Just validated the area's TICP

*“Capital-Bay Planning Area”*

*October 26, 2006 Mtg. Notes*

Rev 12-1 sr/jl

- Told to use frequencies they are not sanctioned for.
- Have interoperability within the City/County area.
- State partners utilize this system
- Others have bought their own systems
- Grants: 2005 UASI money was to do microwave
- They are part of a DOJ 25 cities project.
- They would like more help from the state.

#### CHP/Vallejo

- Partnered w MTC, will be all 9 Bay Area counties
- BARTECS
- Agreement with Marin, Sonoma, Napa.
- Can't participate in county systems, need to figure out something else.

#### Marin

- Working with CHP
- Have a mobile ACU gateway
- Authorized other agencies to purchase radios for mutual aid
- One month from having smart zone system in place.
- 26 agencies for project – very complex!
- \$27 mill for bond
- They have been working with Golden Gate safety network and have done many demos.
- Sonoma Sheriff will install some radios.

#### Contra Costa

- In 2003 the Contra Costa Board of Supervisors approved \$5.225M for several projects related to radio communications. Projects approved were to:
  - Upgrade the County microwave radio system to a 3-DS-3 digital microwave.
  - Upgrade Sheriff and Fire radio systems by replacing transmitters, receivers and voting equipment with new equipment.
  - Simulcast Sheriff and Fire radio channels. Improve Sheriff high speed data radio system.
  - Replace 5 County public service low-band VHF radio system with a state of the art radio system.
  - Develop interoperable radio system.
  - Do long-range planning for P25 radio system.
  - For the interoperability project, working with Solano County. Solano and Contra Costa realized several years ago that if we were to install separate interoperable radio systems that during an incident there was a high probability we would cause interference to each other by using limited interoperable radio channels. We agreed to share a common SmartLink control system to manage all interoperable radio sites in our counties. 5 sites in Solano and 4 sites in Contra Costa will use a common controller and lead agencies in each county will manage the operation of the interoperable radio networked system. Future plans would be to interface the Solano/Contra Costa system to other regional interoperable sites in the region with the goal of providing interoperability to local, state and federal agencies.
- State OES has been contacted by both counties requesting the licensing of interoperable radio channels for the radio sites. The interoperable radio system will be operational by Summer of 2007, yet State OES has told us that CALSIEC must now determine how the channels will be used before OES can issue licenses for these sites.

### **VII Statewide Assessment Survey on Interoperability**

Holly Ziegler, State OES gave a presentation about the assessment information the state has been collecting. She explained that it is an online assessment. And for those who have not filled out the "Capital-Bay Planning Area"

October 26, 2006 Mtg. Notes

Rev 12-1 sr/jl

survey yet you can access it from the web. The report information included in day's meeting packet is related to Bay Area. The information is compiled by County. Holly explained that some of the information one can see is: radio systems, frequencies, equipment, cache, and gateways (who has them). Holly asked for a show of hand as to how many had completed surveys. About 5 people raised their hands.

### **VIII. CALSIEC Capitol-Bay Area Planning Group Charter**

Julia introduced the charter information that was contained in the meeting packet.

Participants then broke into small groups to discuss the Charter. The group's then reported out. Report back:

#### Group 1

- Want to be inline with statewide mission
- Goal: establish voice interoperability; 2nd priority is data
- Define and assess resources, coordinating resources.
- Align needs w funding sources to help get grants, etc.
- Structure: 3 working groups
  - o Operational
  - o Technical
  - o Training and Education
- Success – consistent participation from all at all levels.
- Key is to have reps at all levels, representation should not be population based. In other words small communities are key too.

#### Group 2

- Frustrated with State of Ca
- Done well at regional level (with the I-80 effort for example)
- They want this to work but working with the state is frustrating.
- Need to see leadership to coordinate.
- Need continual funding. Grants have dried up.

#### Group 3

- Talked about history of efforts.
- There is too much duplication with UASI work.
- UASI efforts are problematic because the focus on the population centers leaving out the smaller areas along the corridor. Further, the trickle down effect of the money equals too few actual dollars.
- There is no state coordinated effort.
- Need to coordinate more w the CHP.
- Disheartened by State OES lack of personnel.
- Need central point of contact and better coordination.
- Need to do more outreach.

### **IX. Next Steps & Next Meeting**

The following were some final thoughts that folks shared.

- Keep MARS II and 4 together. Need to coordinate and it works.
- Focus on simple things that can be done now.
- Need channels coordinated and used right.
- Richard (OES) will talk with his management and DGS about frequencies.
- State should figure this out and authorize.
- Jurisdictional leaders need to back projects.

- Next Meeting Agenda Goal will be to accomplish specifics.
  - 1) Focus on channels.
    - a. Take all channels and divvy up
  - 2) Frequency List
    - a. One form from OES/ Before meeting.

**Attendees:**

Kody Kerwin, Contra Costa County Fire Protection District,  
 Charles Cullen, Poince Dept, City of Palo Alto, 650-329-2331  
 Daniel Tognetti, City of Napa, Public Works  
 John Stuart, San Ramon Valley Fire Protection District  
 Kent Eldridge, County of Sacramento, Office of Communications & Information Technology,  
 Joe Maduri, Delta Wireless & Network Solutions  
 Chris Suter, San Ramon Valley Fire Protection District  
 Kevin Ives, Solano County Sheriff's Office  
 Laura Phillips, City & County of San Francisco, Emergency Communications Department  
 Chuck Schuler, Folsom Police Department  
 Charles Fleshman, County of Sonoma, Information Systems  
 Bob LaRose, Raytheon  
 William Stinson, County of Santa Clara  
 Cherelyn Garcia, City of Oakland, Office of Information Technology,  
 Lucian Thomas, City of Modesto Police Department  
 Jeffery Grace, Motorola, Inc  
 Paolo Caltagirone, Motorola, Inc  
 Dave French, City & County of San Francisco, Dept of Telecommunications & Information Svcs  
 Eric Parks, County of Napa  
 Tim Hennessy, Contra Costa County  
 Rick Vallee, Smartlink  
 Frank Yost, El Dorado County Sheriff  
 Larry Hamilton, County of Sacramento  
 Andrew Hobson, YCCESA  
 Mary Pat Marshall, CHP  
 Jane Jimenez, Placer County  
 Virginia Valenzuela, Placer County  
 Bill McMurray, Sheriff Marin County  
 Dan Caulfield, Day Wireless  
 Todd Crawford, El Dorado County Sheriff OES  
 Shelly Grant, Marin County  
 Joe Gear, AMR  
 Ken Stuber, City of Sacramento  
 Ross Cardaono, Solano County  
 Peter Bansen, Squaw Valley Fire Department  
 Chris Baker, Roseville Fire Department  
 Rick Golphin, Oakland PD  
 Spiro Mitsams, Epic  
 Steve Overacker, Contra Costa County- DOIT  
 Olivia Gasca, SRRCS Sac Co.  
 Ed Ritchie, San Ramon  
 Randy Hagar, Alameda County - GSA,  
 Robert Stevens, Sacramento Sheriff's Dept  
 Eric Oliveri or Oliverri, Tracy Fire Department  
 Holly Ziegler, State OES  
 Steve Scott, Smartlink,

Jim Goeber, SF Comm  
Mike Laughlin, Sac Regional Office of Homeland Security  
Charles Ray, Amador Sheriff  
Lynne Olson, Amador SO OES  
Jeff Milbourne, Amador County Sheriff  
Jop Maduri, Delta Wireless & Network Solutions  
Steve Dupre, County of San Mateo

By Phone:  
Lt Monroe, Yolo County Sheriff  
Karen Kazakis, CHP

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