



Interoperability In California

California Statewide Communications Interoperability Plan

CALSIEC & PSRSPC Draft Review Meeting

September 24, 2007



Welcome & Ground Rules

**Adam Sutkus
Center for Collaborative Policy**



Interoperability In California

Purpose:

To obtain consensus on the September 30th preliminary CalSCIP draft & review the preliminary draft of the 2008 PSRSPC Report to the Legislature

Outcomes:

- Enhance statewide communications interoperability planning collaboration between CALSIEC & PSRSPC
- Consensus on the September 30th preliminary CalSCIP draft that will be provided to DHS for feedback
- Shared understanding of the 2008 PSRSPC preliminary draft Report to the Legislature



Today's Agenda

- CALSIEC & OES Welcome
- Review CalSCIP Draft
- Working Lunch
- Review & Discuss 2008 PSRSPC Legislative Report Review Draft
- Review CalSCIP Draft -- Continued
- Update on CALSIEC Regional Activities
- Closing & Next Steps



Introductions

Who's in the Room

- Fire, Police, EMS
 - Tribal
 - PSRSPC-TWG
 - Etc...





Executive Welcome

Frank McCarton
Chief Deputy Director
Office of Emergency Services
&
John Powell
CALSIEC Chair



CalSCIP Project Scope

Erin Elder

CalSCIP Engagement Manager



CalSCIP Project Scope

Date	Tasks
✓ August 10	Draft I to OES, PSRSPC, CalSIEC for review
✓ September 7	Draft II to OES, PSRSPC, CalSIEC for review
September 24	Draft III to OES, PSRSPC, CalSIEC for review and buy-in
September 30	Draft III—Preliminary draft to DHS for review and feedback
November 15	Final Draft presentation to CalSIEC for review and buy-in
November 27	Final Draft briefing to OES Executive Staff and receive approval of Final Draft
December 3	Final CalSCIP Submitted to DHS



CalSCIP Draft Review Process

Tony Macri
CalSCIP Facilitator

WORKING DEFINITION OF

CONSENSUS

- The process we used was explicit, rational & fair;
- I was treated well, my inputs were heard;
- And I can live with the outcomes.





CalSCIP Review Process

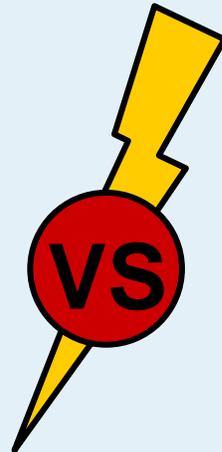
Consensus

Concern

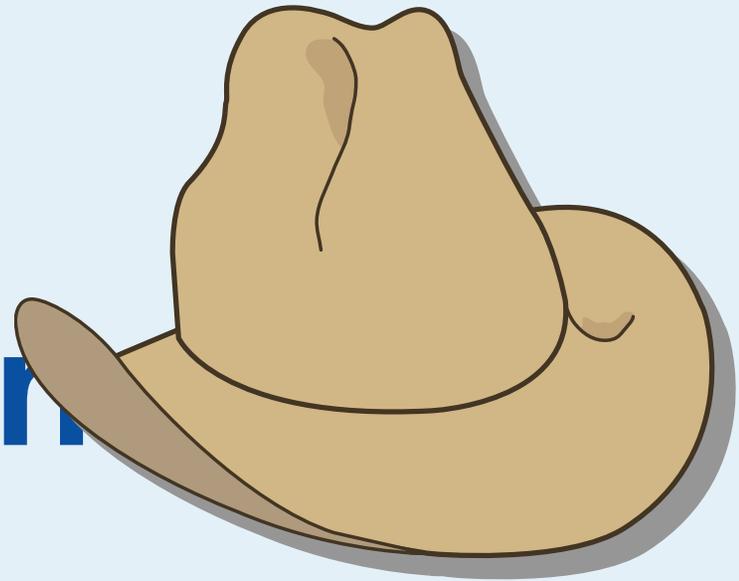
DILEMMA



Individual



Organization





CalSCIP Review Process

CalSCIP Section	Review Time
Introduction	
Background	2 Minutes
Methodology	10 Minutes
Current Statewide Assessment	
Governance & Strategy	60 Minutes
Technology & Strategy	30 Minutes
Standard Operating Procedures & Strategy	30 Minutes
Training, Exercises & Strategy	30 Minutes
Usage & Strategy	15 Minutes
Funding & Strategy	20 Minutes
Future Statewide Recommendations	
Implementation	20 Minutes
Strategy (Embedded within other sections)	N/A



CaSCIP Review Process

Helpful Input:

- Correction of factual interpretations
- Identification of missing information
- Clarity on current-state of statewide planning for interoperable communications planning across CA

Hindering Input:

- Focusing on grammar, syntax and/or spelling



CalSCIP Review Process

SAFECOM Criteria Compliance Matrix

Criteria #	Description	Section #
1.	Background and Preliminary Steps	2.0
1.1	Overview and Background of the State and its Regions	2.1
1.2	Participating Agencies and Organizations for Plan Development	2.5
1.3	Point of Contact	2.6
1.4	Current Communications and Interoperability Environment	2.2
1.5	Problem Definition and Possible Solutions Against the Interoperability Continuum	2.0
1.6	Tactical Interoperable Communications Plans (TICPs)	2.4
1.7	Scope and Timeframe of the Plan	2.7



CalSCIP Review Process

Your Draft vs. Shared Display Draft:

- Comment bubbles have been removed and placed into comment grids
- Additional “late” comments have been added
- Strategy section initiatives have been moved up and placed within relevant sections



CalSCIP Working Groups

Usage Group:

Bob Sedita, Ron Wong, Ken Mann, Jason Keeling, John Penido, Gary Gray, George Lowry, John Powell, Don Root

Training & Exercises:

Don Root, Ken Chappelle, Brent Finster, Michele Elliott, George Lowry, John Powell, Don Root

Technology:

Glen Savage, Bill DeCamp, Bob Fasulkey, Mitch Sutton, Preston Thomson, Gary Grootveld, Don Root, Manuel Bergado, Hal O'Brien, George Lowry, John Powell, Don Root

Governance Group:

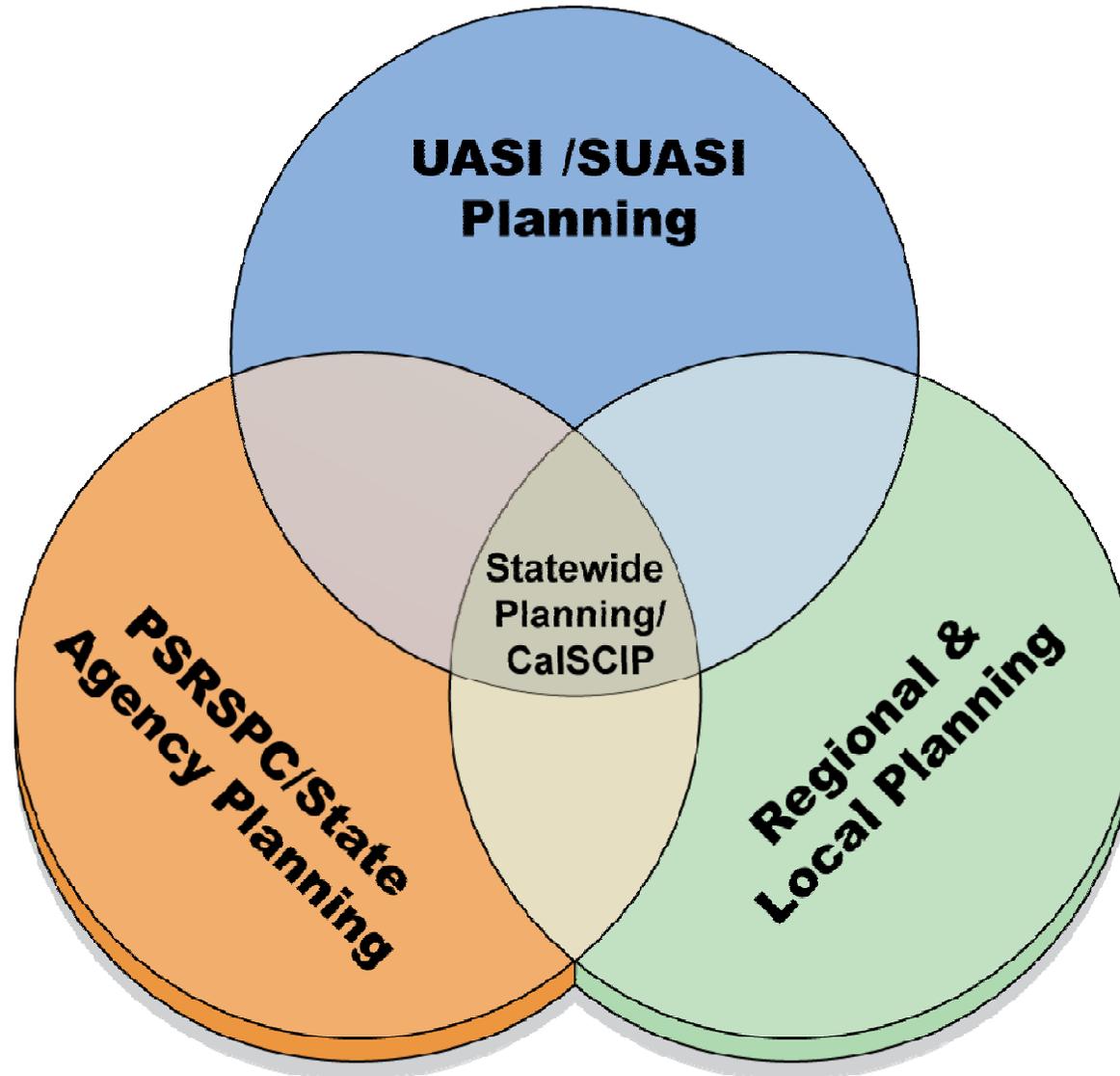
Dan Manzer, Don Turos, Sue Plantz, LeAnn Gilmore, Don Casey, Reggie Chappelle, Mary Cook, Robert Samaan, Sony Fong, John Penido, Judith Christenson, Angela Azevedo, George Lowry, John Powell, Don Root, Julia Lee, Sarah Rubin



CalSCIP Vision, Mission, Goals & Objectives



CalSCIP Current Understanding





CalSCIP Mission

Successful Mission Statements:

- Describe long term purpose
- Include the projects or services to be offered and the markets to be served
- Clearly differentiate the organization from others in its focus areas
- Emphasize action & results
- At a minimum describes what you are required to do



CalSCIP Mission

Provide a statewide strategic planning framework for an innovative, inclusive, scalable, sustainable, and well-managed interoperability infrastructure that promotes national standards, and is effective in addressing the unique urban and rural requirements of the public safety first responders and designated public service organizations serving the citizens of California.



CalSCIP Mission

Services Offered

Provide a statewide strategic planning framework for an innovative, inclusive, scalable, sustainable, and **well-managed interoperability infrastructure** that promotes national standards, and is effective in addressing the unique urban and rural requirements of the public safety first responders and designated public service organizations serving the citizens of California.



CalSCIP Mission

Action Oriented

Provide a statewide strategic planning framework for an innovative, inclusive, scalable, sustainable, and well-managed interoperability infrastructure that promotes national standards, and is effective in addressing the unique urban and rural requirements of the public safety first responders and designated public service organizations serving the citizens of California.

Services Offered



CalSCIP Mission

Action Oriented

Provide a statewide strategic planning framework for an innovative, inclusive, scalable, sustainable, and well-managed interoperability infrastructure that promotes national standards, and is effective in addressing the unique urban and rural requirements of the public safety first responders and designated public service organizations serving the citizens of California.

Services Offered

Market Served



CalSCIP Mission

Action Oriented

Provide a statewide strategic planning framework for an innovative, inclusive, scalable, sustainable, and well-managed interoperability infrastructure that promotes national standards, and is effective in addressing the unique urban and rural requirements of the public safety first responders and designated public service organizations serving the citizens of California.

Services Offered

Market Served

Clearly Differentiates the Organization



CaISCIIP Vision

Definition of a Vision:

Describes the core values and purpose that guide the organization toward which change is directed

Criteria of a Successful Vision:

- Incorporates peoples ideals, fantasies, or dreams of what they would like the organization's outcomes to look like or be
- Energizes commitment for change within the relevant field of work, but is not seen as impossible
 - Ex: President Kennedy's vision of "Putting a man on the moon and returning him safely to earth"
- Represent's the organizations core purpose by providing idealistic motivation for working towards bold and valued outcomes demonstrated in the desired future state



CalSCIP Vision

By 2017, ensure all local, regional, tribal, state and federal public safety first-responders and designated public service organizations operating within California will be able to communicate using compatible systems, in real time, across disciplines and jurisdictions, to respond more effectively during day-to-day operations and major incidents.



CalSCIP Goals



Homeland Security

Interoperability Continuum



Governance	Limited Leadership, Planning, and Collaboration Among Areas with Minimal Investment in the Sustainability of Systems and Documentation	Individual Agencies Working Independently	Informal Coordination Between Agencies	Key Multidiscipline Staff Collaboration on a Regular Basis	Regional Committee Working with a Statewide Interoperability Committee	
Standard Operating Procedures		Individual Agency SOPs	Joint SOPs for Planned Events	Joint SOPs for Emergencies	Regional Set of Communications SOPs	National Incident Management System Integrated SOPs
Technology		Swap Radios	Gateway	Shared Channels	Proprietary Shared Systems	Standards-based Shared Systems
Training & Exercises		General Orientation on Equipment	Single Agency Tabletop Exercises for Key Field and Support Staff	Multiagency Tabletop Exercises for Key Field and Support Staff	Multiagency Full Functional Exercise Involving All Staff	Regular Comprehensive Regional Training and Exercises
Usage		Planned Events	Localized Emergency Incidents	Regional Incident Management	Daily Use Throughout Region	
		High Degree of Leadership, Planning, and Collaboration Among Areas with Commitment to and Investment in Sustainability of Systems and Documentation				





CalSCIP Goals

- **Goal 1: Governance** – Maintain coordinated governance for integrated regional and statewide public safety voice and data interoperable communications systems planning
- **Goal 2: Standard Operating Procedures** – Maintain NIMS/SEMS compliant Standard Operating Procedures for statewide interoperable communications
- **Goal 3: Technology** – Develop a statewide standards based *System of Systems* communications network for California's public safety and designated public service practitioners
- **Goal 4: Training & Exercise** – Ensure regular local, regional and statewide interoperable communications training and exercise opportunities for California's public safety and designated public service practitioners
- **Goal 5: Usage** – Encourage daily usage statewide of interoperable communications equipment and standard operating procedures



CaISCIIP Objectives

- **Objective 1:** Provide interoperability governance and outreach statewide
- **Objective 2:** Achieve communications operability for state agencies and localities as necessary to support interoperability
- **Objective 3:** Achieve voice and data interoperable communications within each locality to enhance multi-discipline response capabilities for local response
- **Objective 4:** Achieve multi-discipline and multi-jurisdiction voice and data interoperable communications to enhance regional response capabilities
- **Objective 5:** Enhance state agencies' voice and data interoperable communications across California to provide comprehensive support during emergencies

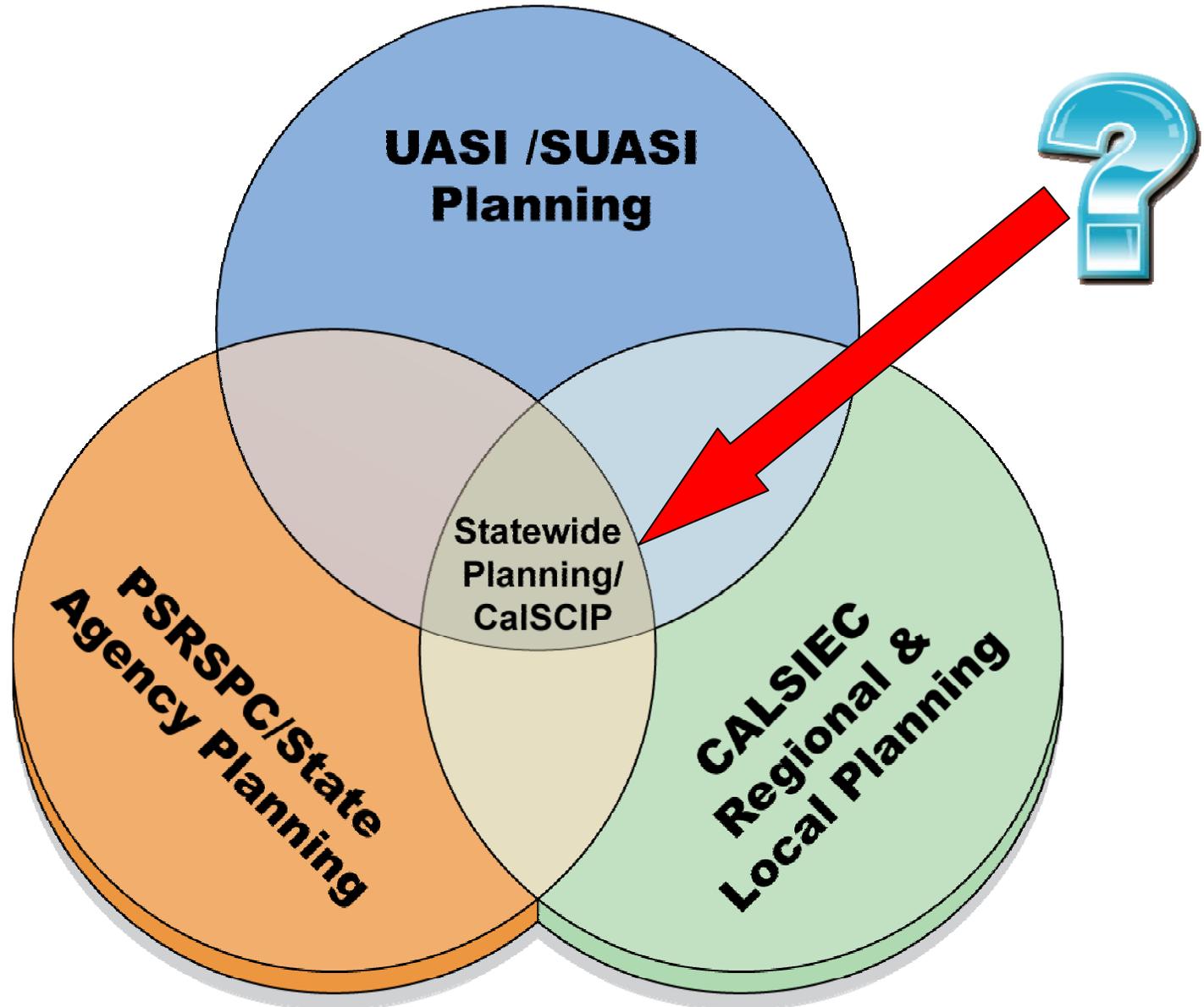


CalSCIP Objectives

- ***Objective 6:*** Provide tools necessary for region to region and state to region voice and data interoperable communications to enhance mutual aid response capabilities
- ***Objective 7:*** Enhance communications back-up and redundancy for interoperability systems to ensure communications are maintained following catastrophic events
- ***Objective 8:*** Support interoperable communications with federal entities, other states and countries to respond to national, multi-state and international emergencies
- ***Objective 9:*** Achieve the integration of private entities identified as part of critical infrastructure/key resources and the participants in the state emergency operation plan (EOP) into interoperability efforts to ensure communications are maintained during emergencies and recovery efforts

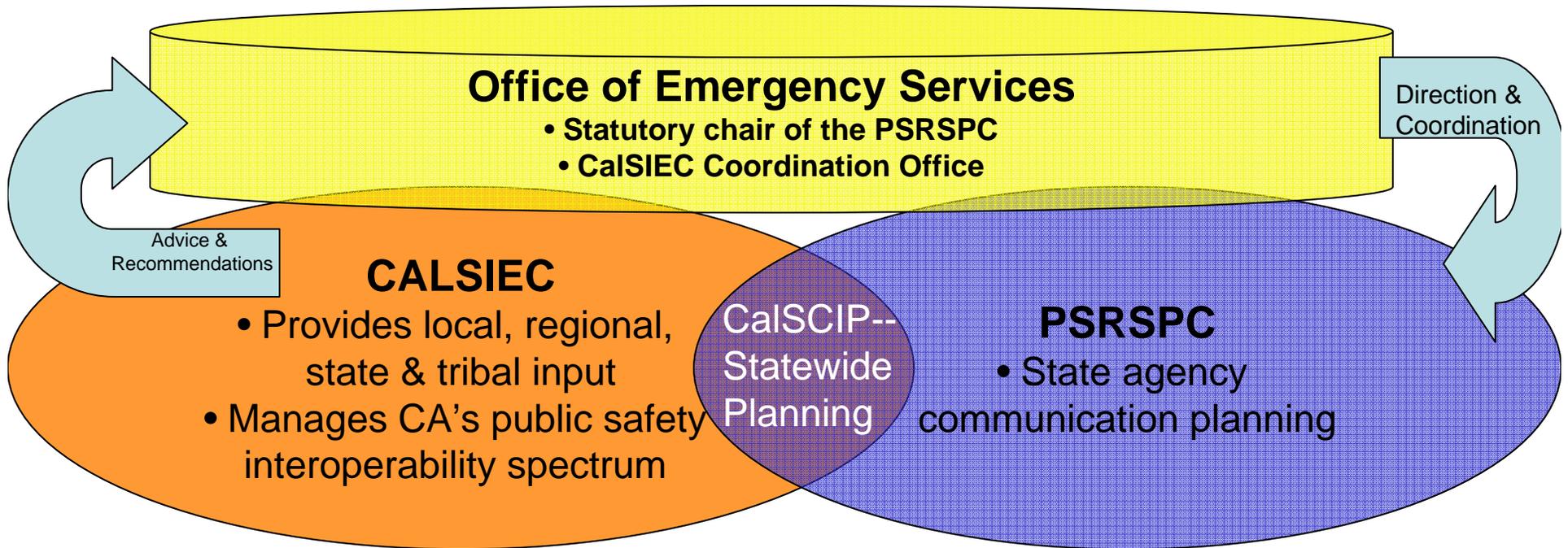


CalSCIP Mission





CalSCIP Mission





Governance Upgrades -The Facts-

**Julisa Espinoza
CalSCIP Facilitator**



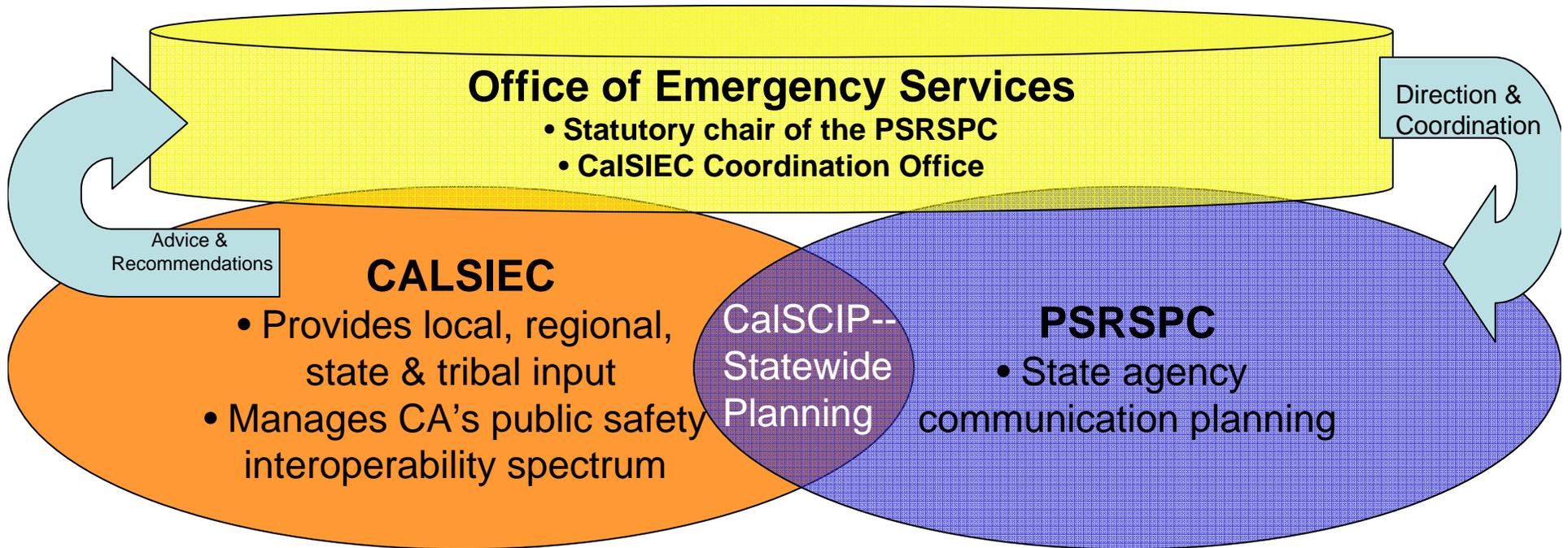
PSRSPC

- **PSRSPC**

- Existing law (8592) establishes in state government the Public Safety Radio Strategic Planning Committee, a multimember body with representatives of specified **state agencies**, with duties that include developing and implementing **a statewide integrated public safety communication system** that facilitates interoperability among state public safety departments and between state agencies **and other first response agencies**. The committee is required to meet at least twice a year, of which one meeting shall be a joint meeting with the California Statewide Interoperability Executive Committee.



CalSCIP Governance





CALSIEC

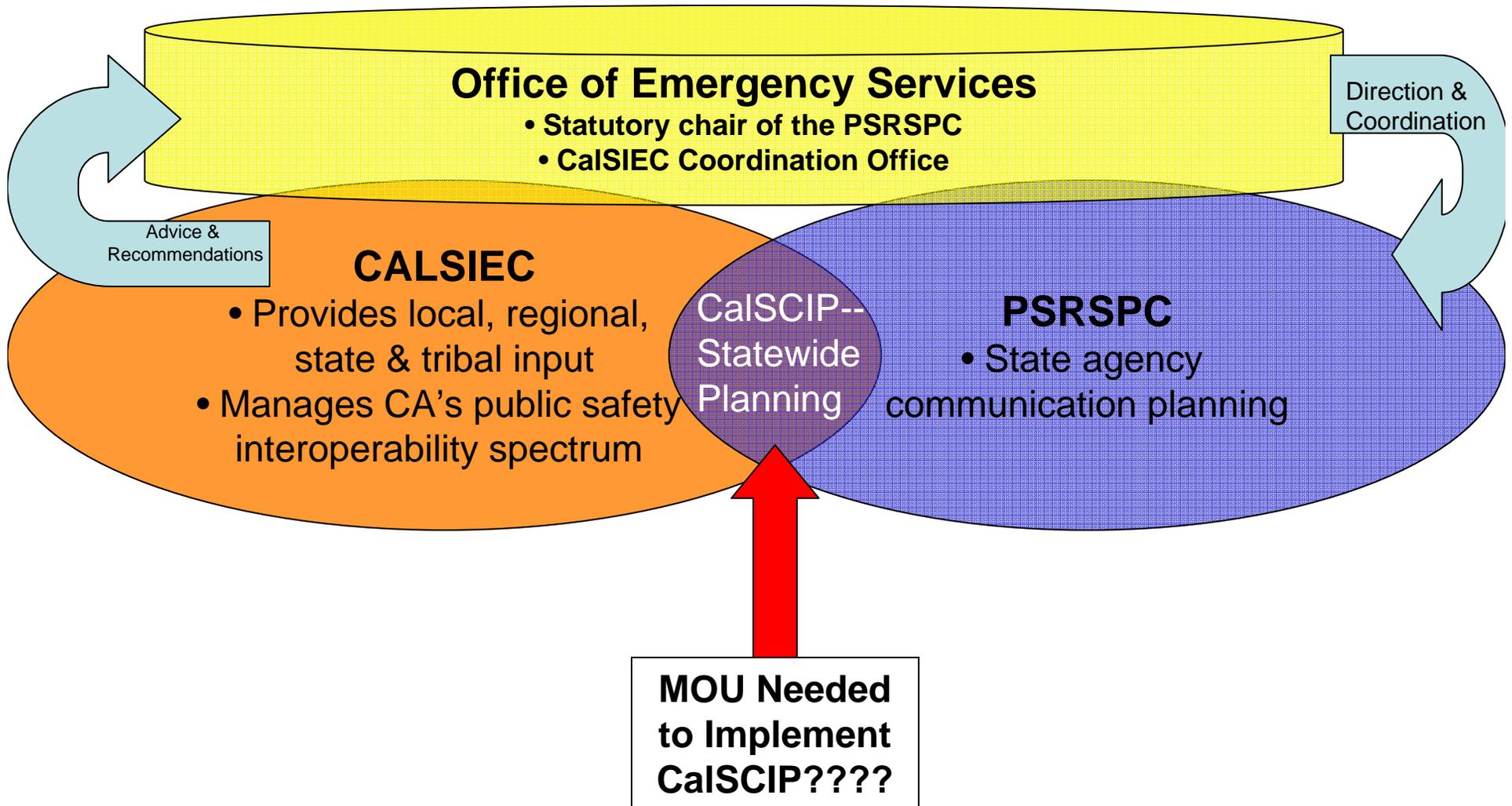
CALSIEC Mission

- The mission of the California Statewide Interoperability Executive Committee is to **manage the public safety interoperability spectrum** on behalf of all first responders (**local, tribal, state, and federal organizations**) in California, by improving public safety response through more effective and efficient interoperable communications. CALSIEC develops and maintains the agreements **that define practices for the use of interoperability channels**. It functions as part of the Standardized Emergency Management System (SEMS) / National Incident Management System (NIMS).

* Established under the auspices of OES for statewide interoperability channel management under memo from August 7, 2003.



CalSCIP Governance????





Governance Upgrades -Our Observations-

**Julisa Espinoza
CalSCIP Facilitator**



Observation #1: Membership

CALSIEC Membership Includes:

- Local Representatives**
- Regional Representatives**
- State Representatives**
 - Key PSRSPC Members**
- Tribal Representatives**
- Federal Representatives**



Observation #1: Membership

CALSIEC Key PSRSPC Members Include:

- **Dept. of Corrections**
- **Governor's Office of Homeland Security**
- **Emergency Medical Services Authority**
- **Office of Emergency Services (Fire, Law & Comm)**
- **Dept. of Forestry & Fire Protection**
- **Dept. of General Service Telecom**
- **California Highway Patrol**
- **Dept. of Justice**
- **Dept. of Public Health**
- **California National Guard**
- **California Resources Agency**



Observation #2: Accountability

- The statewide mission, vision, goals, and objectives have not been turned over to the responsible governance group
- There is not a recognized body responsible for implementation of the CalSCIP

* Memo from August 7, 2003 needs to be updated and re-enstated.



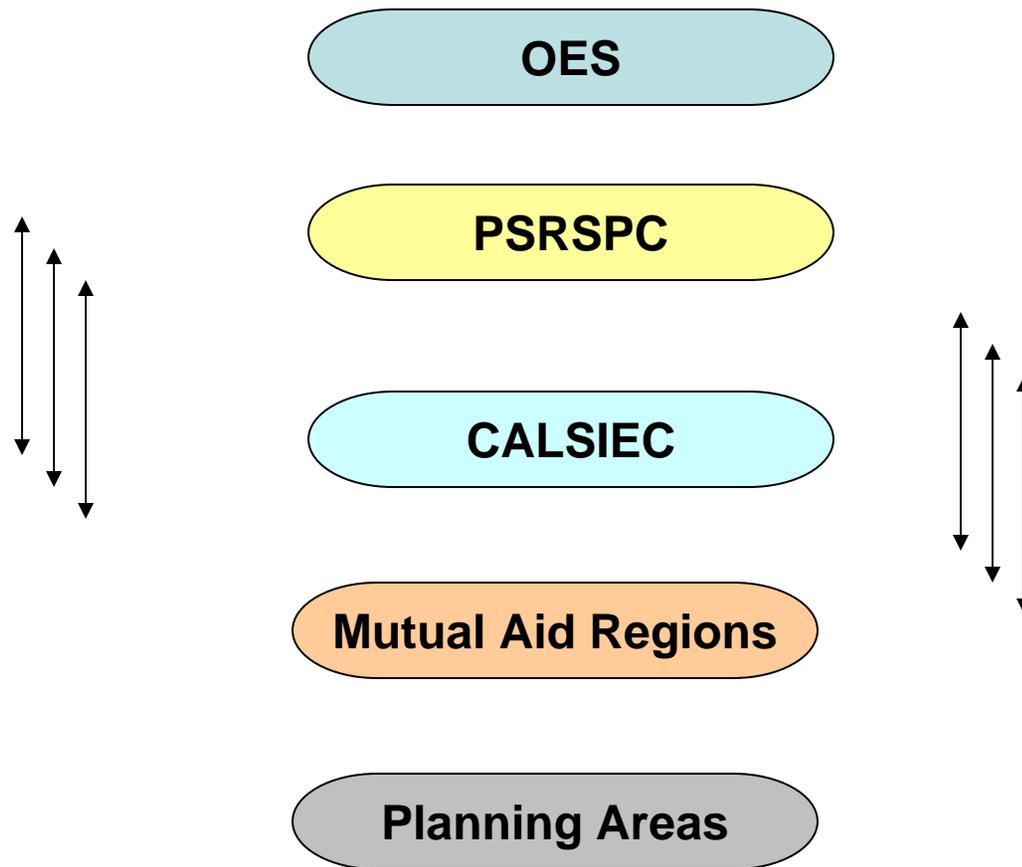
Observation #3: Official Structure

- The component parts for the statewide governance body exist, but there is:
 - No codifying legislation*
 - No officially, recognized charter
 - No official structure (voting rules, membership criteria, succession process, etc.)



The Good News!

The Parts of the Puzzle Exist. How should they be structured?





Governance Upgrades

**Feedback and Clarity on the Governance
Current & Future States**



Outstanding Questions and Points Needing Clarity

- Which governance body should own the mission, vision, goals and objectives?
 - Does it currently exist or does it need to be formed?
 - What role should the other major groups play?
- Under what charter will the statewide governance body operate?

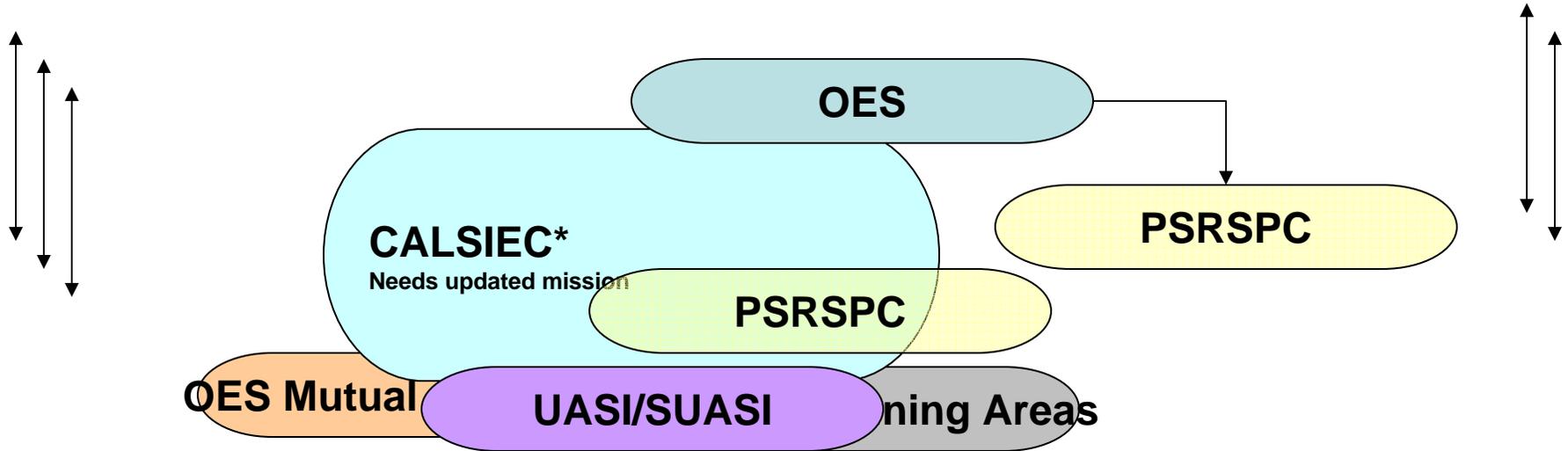


SAFECOM SCIP Criteria

- 4.1. Identify the executive or legislative authority for the governing body of the interoperability effort.
- 4.2. Provide an overview of the governance structure that will oversee development and implementation of the plan. Illustrate how it is representative of all of the relevant emergency response disciplines and regions in the state.
- 4.3. Provide the charter for the governing body, and use the charter to state the principles, roles, responsibilities, and processes.
- 4.4. Identify the members of the governing body and any of its committees.
- 4.5. Provide a meeting schedule for the governing body
- 4.6. Describe multi-jurisdictional, multi-disciplinary agreements needed for decision making and for sharing resources.



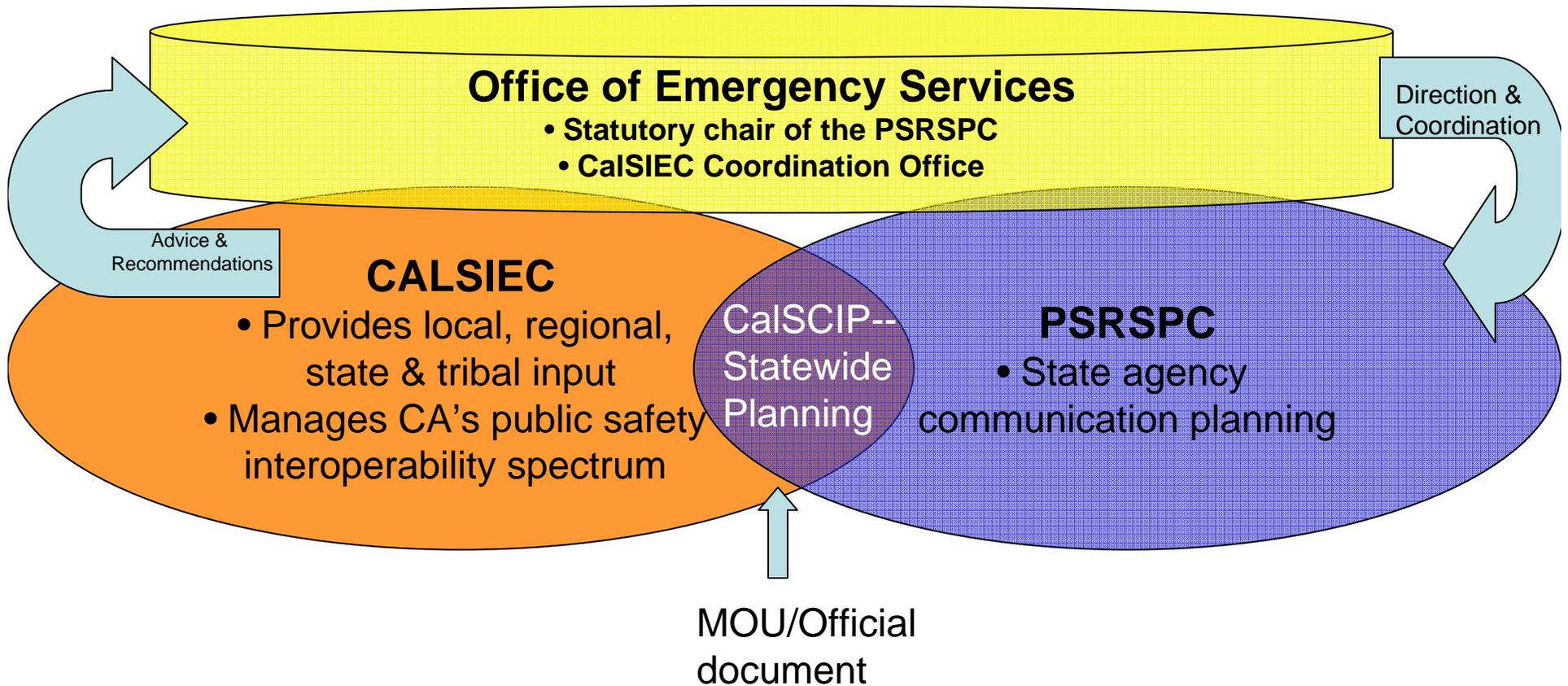
Governance Framework



Recommendation #2
Developed at Meeting



CalSCIP Mission





2008 PSRSPC Report to Legislature

LUNCH





2008 PSRSPC Report to Legislature

Opportunity for PSRSPC & CALSIEC Collaboration



2008 PSRSPC Report to Legislature

What is the Annual Report?

Effective January 1, 2007, AB 1848 codifies the PSRSPC's annual report as the state's strategic plan and requires, at a minimum, implementation strategies and timelines to achieve the identified goals and objectives.



2008 PSRSPC Report to Legislature

What is the Annual Report?

The report may include recommendations for local, regional, state, or federal entities to coordinate resources and the development of common protocols to advance the integration of local, regional, and statewide interoperable public safety communication networks.



2008 PSRSPC Report to the Legislature

Approving Departments

- The Directors or their designees of the following agencies are members of the Public Safety Radio Strategic Planning Committee and have been involved in preparation of this report and strategic plan.
- Governor's Office of Emergency Services (OES) (*Statutory chair effective January 1, 2007*)
- California Highway Patrol (CHP)
- Department of Transportation (CalTrans)
- Department of Corrections and Rehabilitation (CDCR)
- Department of Parks and Recreation (DPR)
- Department of Fish and Game (DFG)
- Department of Forestry and Fire Protection (CDF)
- Department of Justice (DOJ)
- Department of Water Resources (DWR)
- Department of Health Services (CDHS) (*Statutory member effective January 1, 2007*)
- Emergency Medical Services Authority (EMSA)
- Department of General Services (DGS)
- Governor's Office of Homeland Security (OHS)
- Military Department (*Statutory member effective January 1, 2007*)



2008 PSRSPC Report to the Legislature

- **TABLE OF CONTENTS- DRAFT ONLY**
- 1.0 Executive Summary
- 2.0 Highlights of Accomplishments
 - 2.1 *Budgetary Coordination: BCP's*
 - 2.2 *Collaborative Planning: California Statewide Communications Interoperability Plan (CalSCIP)*
 - 2.3 *Tactical Operability: Gateways*
 - 2.4 *Tactical Interoperable Communication Plans (TICP's)*
 - 2.5 *Grants: Public Safety Interoperable Communications Grant Program (PSIC)*
- 3.0 Major Challenges
 - 3.1 *Obsolescence*
 - **3.2 *Funding for Sustained Communications Systems***
 - 3.3 *Governance*
 - 3.4 *Training*
 - 3.5 *Spectrum*
- 4.0 Recommendations (Funding)
- 5.0 Conclusions
- 6.0 Strategic Plan- Goals
 - **Goal 1- Funding**
 - *Goal 2- Operability*
 - *Goal 3- Governance*
 - *Goal 4- Education*



2008 PSRSPC Report Appendix

Appendices

- References- still to be added
- Acronyms- still to be added
- Summary of Legislatively required Elements
- PSRSPC Questions Information (short summary from each PSRSPC regarding communications needs as requested by legislature)- still to be added

List of Illustrations

- Figure X: *Obsolescence Percentages of State Agency Radio Equipment*
- Figure X: Major Challenge: A Sustainable Funding Source to Support California's Public Safety Communications System
- SAFECOM Continuum



Sustained Funding Options

Type	Pro	Con	Notes
Public Safety Communications Surcharge	<ul style="list-style-type: none"> ➤ Renewable** ➤ 911 Type fund (Utilities Model) ➤ Recent decrease in surcharges, i.e., federal tax rescinded ➤ Clear financial need 	<ul style="list-style-type: none"> ➤ Perceived as a “tax” ➤ Regulatory issues, e.g., some phone services may not be included 	<ul style="list-style-type: none"> ➤ Potential funding for the 58 Operational Areas (e.g., base + population) ➤ Utilities Model can be used for State and Local ➤ 911 fund has call volume as funding base
General Fund 1.Recurring fixed line item for entire state 2.Subscriber fees	<ul style="list-style-type: none"> ➤ Ongoing funding source 	<ul style="list-style-type: none"> ➤ Limited General Fund money ➤ Monies get redirected in Agencies budgets ➤ Inconsistent funding source 	<ul style="list-style-type: none"> ➤ Would have to assess locals subscriber fees ➤ “Line item” may be best
Federal Funds	<ul style="list-style-type: none"> ➤ Quick upfront money ➤ Good as “short-term” funding source, e.g., for one-time project expenses 	<ul style="list-style-type: none"> ➤ No or little spending allowed for maintenance, personnel, installation, etc. 	<ul style="list-style-type: none"> ➤ Could be source of funds, but not primary source ➤ Not preferred as long-term strategy
Bond Funds	<ul style="list-style-type: none"> ➤ Quick upfront money 	<ul style="list-style-type: none"> ➤ Bond measures hard to pass ➤ Typically one-time money 	



Public Safety Communications Surcharge Option

PRO

- Renewable** (used in New York's E911 tax & Minnesota's 911 fee)
- **911 Type fund** (Utilities Model)
- Recent decrease in surcharges, i.e., federal tax rescinded
- Clear financial need

CON

- Perceived as a "tax"
- Regulatory issues, e.g., some phone services may not be included

NOTES

- **Potential funding for the 58 Operational Areas** (e.g., base + population)
- Utilities Model can be used for state and local
- 911 fund has call volume as funding base



General Fund Option

TYPES

- **Recurring fixed line item for entire state**
- **Subscriber fees**

PRO

- Ongoing funding source

CON

- Limited General Fund money
- Monies get redirected in Agencies budgets
- Inconsistent funding source

NOTES

- Would have to assess locals subscriber fees
- “Line item” may be best



Federal Funds Option

PRO

- Quick up front money
- Good as “short-term” funding source, e.g., for one-time project expenses

CON

- No or little spending allowed for maintenance, personnel, installation, etc.

NOTES

- Could be source of funds, but not primary source
- Not preferred as long-term strategy



Bond Funds Option

PRO

- Quick upfront money

CON

- Bond measures hard to pass
- Typically one-time money



Other States Funding Sources

- New York: *E 911 tax*, Minnesota: *911 fee*
- Arkansas, Florida, Illinois, Indiana: *Increased fee on yearly license renewal*
- Arizona: *Sales tax increase*
- New Jersey, Rhode Island, Utah, Virginia: *Bonds*
- Alaska, New Hampshire: *Federal funding*
- Iowa, Ohio, Pennsylvania: *General fund appropriations*



Sustained Funding Models For All Levels of Government

“In addition, the PSRSPC took into consideration funding models that could potentially support public safety communications interoperability at the local and regional levels.

It is critical that all levels of government be considered as California seeks a sustained funding mechanism to modernize and maintain its public safety communications infrastructure.”

Source: 2007 PSRSPC Report to Legislature



2008 PSRSPC Leg Report

4.0 RECOMMENDATIONS

PSRSPC recommends the development of a statewide leadership effort to obtain a sustained funding source for California's public safety communications system.



Contact information

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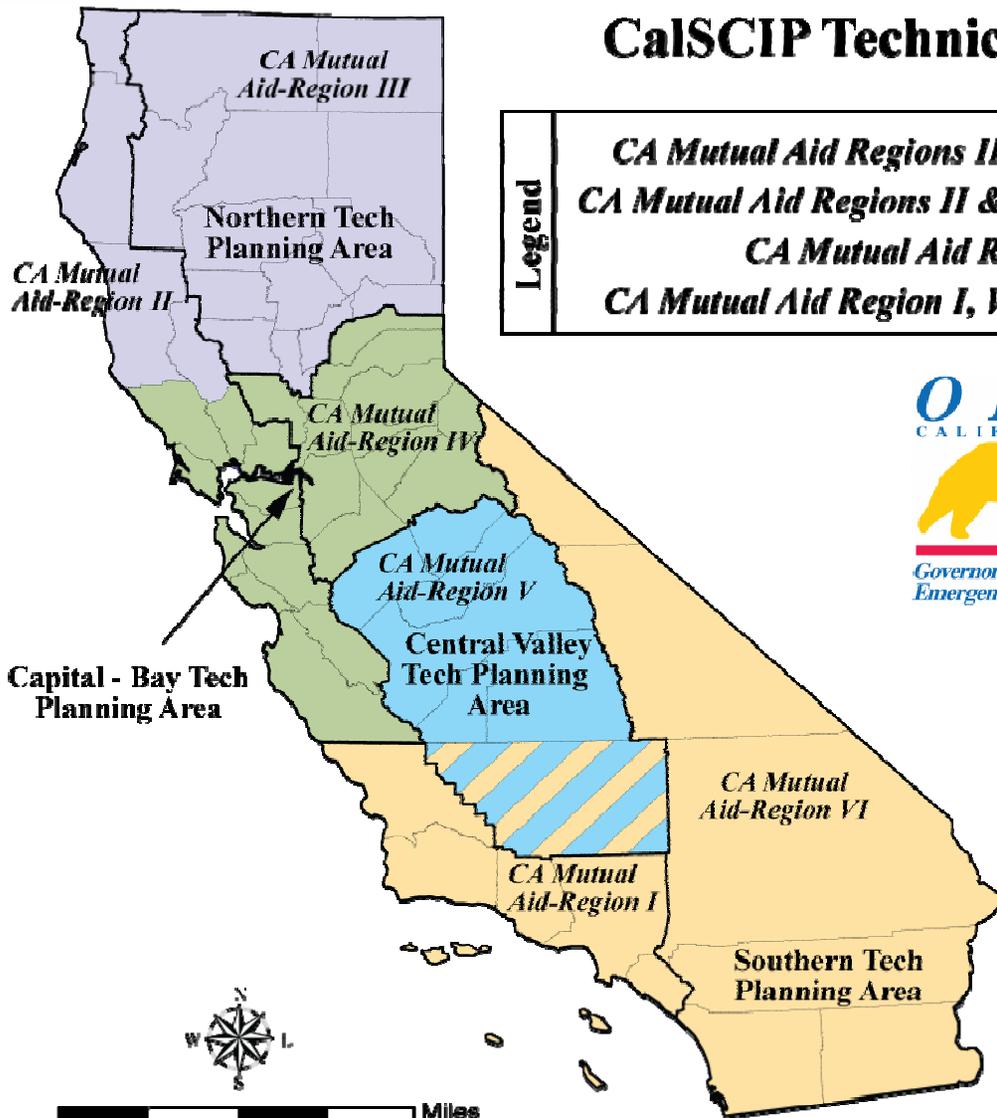


Back-up Slides



State of California
Governor's Office of Emergency Services

CA Mutual Aid Regions with CalSCIP Technical Planning Areas



Legend	CA Mutual Aid Regions II & III = Northern Planning Areas	
	CA Mutual Aid Regions II & IV = Capital Bay Planning Areas	
	CA Mutual Aid Region V = Central Planning Areas	
	CA Mutual Aid Region I, VI & V = Southern Planning Areas	

