



Interoperability In California

California State Interoperability Executive Committee Meeting

**Burbank, CA
August 16, 2007**



CalSIEC Chair & PSRSPC Welcome

**John Powell
CalSIEC Chair**

**Harold O'Brien
OES**



Interoperability In California

Purpose: *To obtain CalSIEC stakeholder input for the California Statewide Communication Interoperability Plan (CaISCIP)*

Outcomes:

- *Shared Understanding of the CaISCIP Planning Process*
- *Consensus on Mission, Vision, Goals and Objectives for California's Interoperability Effort*
- *Agreement on Current Statewide Assessment for CaISCIP*
- *List of Gaps and Initiatives for CaISCIP*

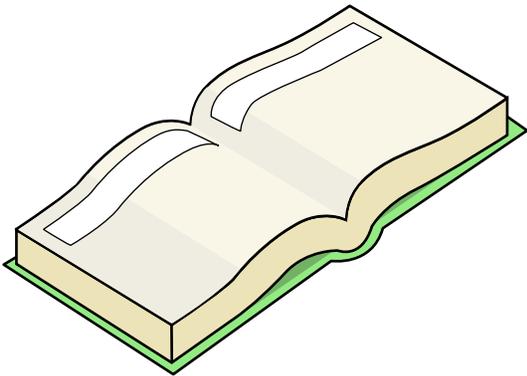


Today's Agenda

- *CalSIEC & OES Welcome*
- *CalSCIP Project Scope*
- *Statewide Planning Criteria & Gap Analysis*
- *Break*
- *Vision, Mission, Goals & Objectives Discussion*
- *Review of CalSCIP Outline*
- *(Working) Lunch*
- *Enhance Statewide Assessment*
- *Break*
- *Statewide Initiative Plan Development*
- *Closing & Next Steps*

What Kind of Meeting Is This?

Informational



Decisional

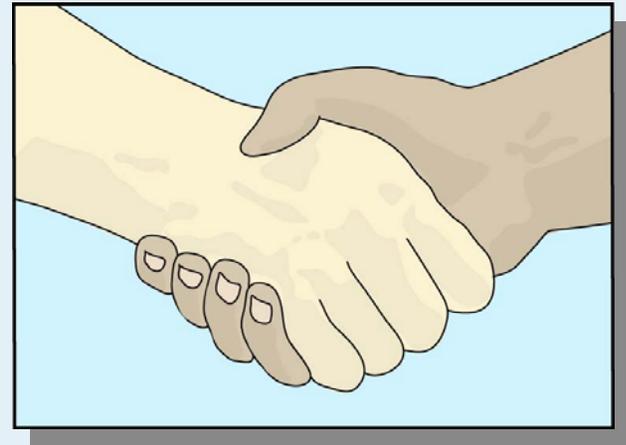


Creative/Brain Storming



PRINCIPLES

- **Move on despite ambiguity**
- **Listen as allies**
- **Get to the point**
- **Give criticism with upgrades**
- **Finish each part**



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.





CaISCIP Project Scope

Erin Elder

CaISCIP Engagement Manager



CalSCIP Project Scope

Date	Tasks
August 10	Draft I to OES, PSRSPC, CalSIEC
September 7	Draft II to OES, PSRSPC, CalSIEC
September 30	Draft III—Preliminary draft to DHS
October 15	Final Draft presentation to CalSIEC
October 25	Final Draft briefing to OES Executive Staff
October 25	Final Draft completed
November 1	Final CalSCIP Submitted to DHS



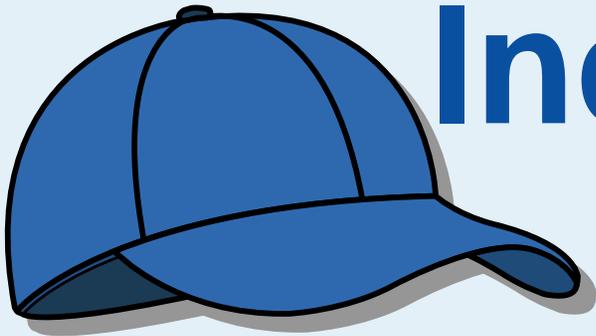
Introductions

Please Quickly Introduce Yourself

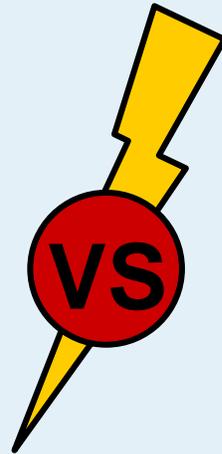
- Name
 - Locality
 - Representative Capacity



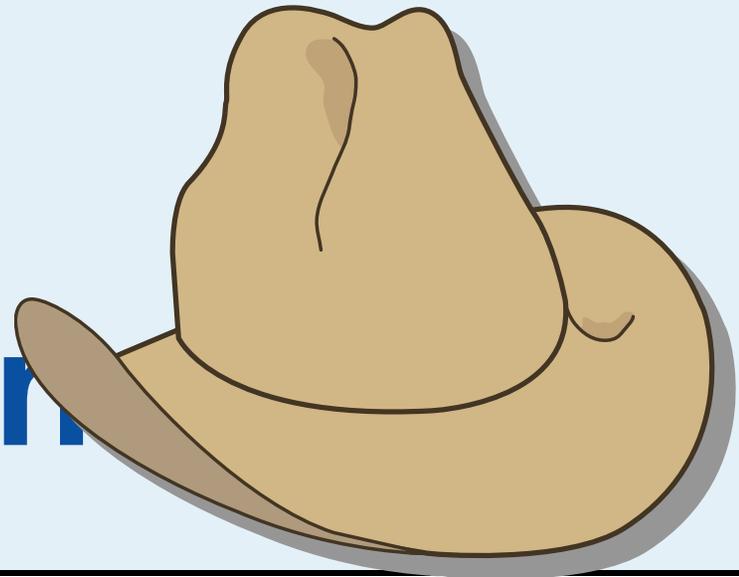
DILEMMA



Individual

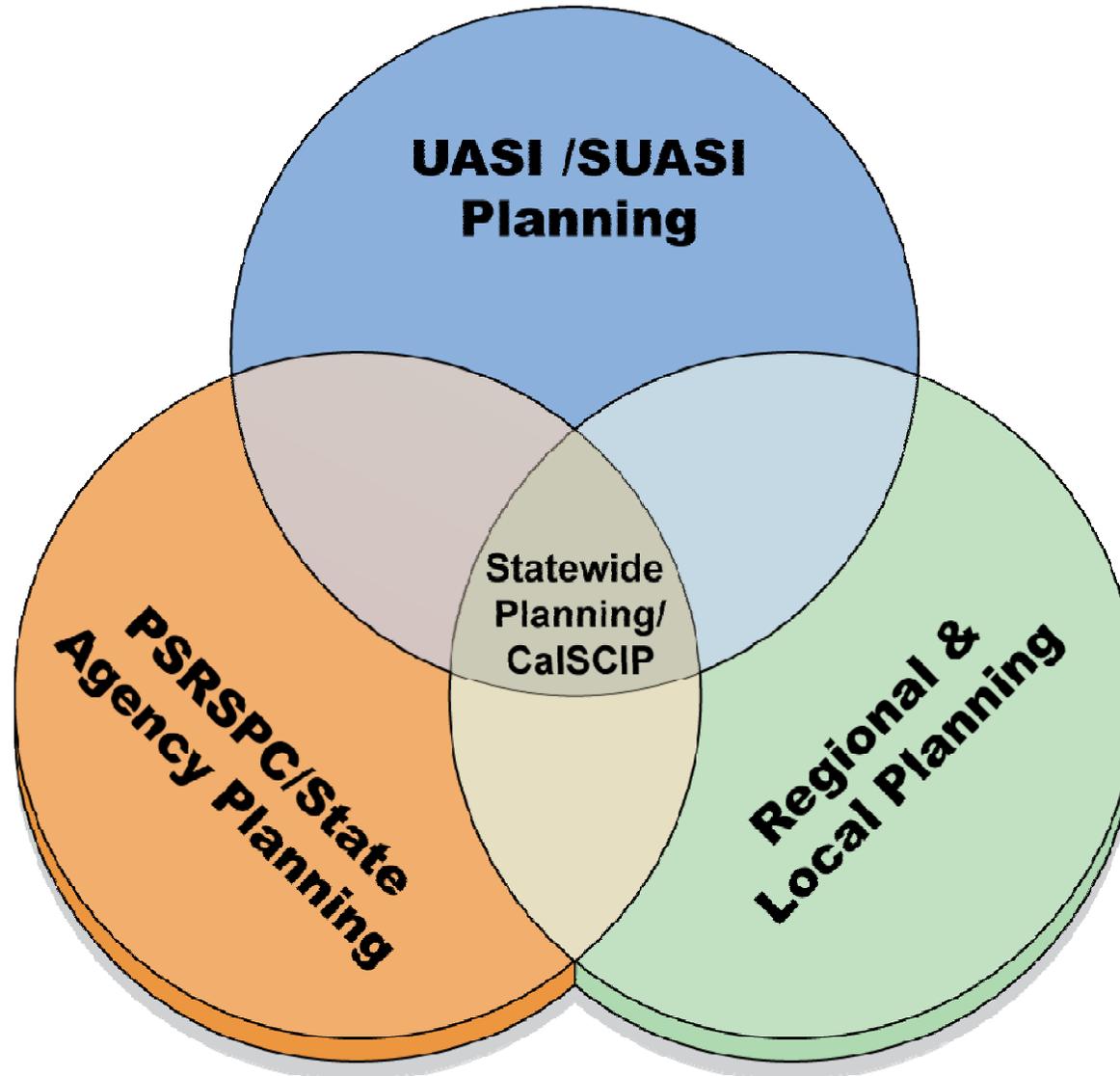


Organization





CalSCIP Project Scope





Review Statewide Planning Criteria, Approach & Gap Analysis

**Julisa Espinoza
CalSCIP Facilitator**



DHS CaISCIP Criteria

Red	Gap identified and initiative required
Yellow	Possible gap and possible initiative required
Green	Not a gap and no initiative required. Criterion can be resolved by utilizing baseline data, current published reports and OES internal knowledge



SAFECOM Criteria

Section 2

Strategy



DHS CalSCIP Criteria -- Strategy

Criterion 2.1

Describe a strategic vision, goals, and objectives for improving emergency response interagency wireless communications statewide, including how you connect with existing plans within the state.

Recommended Approach:

- **Leverage past efforts and documents to consolidate and respond to this criterion**
- **Distill the vision, mission, goals, and objectives for the Statewide Communications Interoperability Effort from existing documentation**
- **Obtain consensus and support for the synthesized data from the CalSIEC and PSRSPC representatives on Aug. 16th**



DHS CalSCIP Criteria -- Strategy

Criterion 2.2

Provide a strategic plan for coordination with neighboring states. If applicable, include a plan for coordination with neighboring countries.

Recommended Approach:

- **Document any CalSIEC, PSRSPC or OES communications interoperability initiatives with neighboring states and Mexico. Specifically note, the current efforts underway in Region 6 (San Diego County) with Mexico on 800 MHz planning issues.**
- **We have noted this as an open criterion, because we need the data to support this response and to ensure that all existing plans are identified.**



DHS CalSCIP Criteria -- Strategy

Criterion 2.3

Provide a strategic plan for addressing data interoperability in addition to voice interoperability.

Recommended Approach:

- **At the State level, the system of systems vision does include voice and data; however, the local and regional systems must provide input to that vision and implementation process**
- **This should be identified as a gap with an initiative established under the Technology Lane**



DHS CalSCIP Criteria -- Strategy

Criterion 2.4

Describe a strategy for addressing catastrophic loss of communication assets by developing redundancies in the communications interoperability plan.

Recommended Approach:

- The State purchases resources through the mutual aid programs and gives them to local to manage and implement. This includes:
 - Gateways
 - Radio caches
 - Mobile communications vehicles
- The State also has OASIS – Ops Area Satellite Information System – to serve as a survivable communications tools. Sat phones are placed at each of the ops centers and there are mobile communications trailers to deploy in areas where there are dead zones during incident response.



DHS CalSCIP Criteria -- Strategy

<u>Criterion 2.5</u>	<u>Recommended Approach:</u>
Describe how the plan is, or will become, compliant with the National Incident Management System (NIMS) and the National Response Plan.	<ul style="list-style-type: none">• Describe SEMS and any executive orders acknowledging NIMS/SEMS.• Identify any COM-L training within California.



DHS CalSCIP Criteria -- Strategy

Criterion 2.6

Describe a strategy for addressing communications interoperability with the safety and security elements of the major transit systems, intercity bus service providers, ports, and passenger rail operations within the state.

Recommended Approach:

- This criterion may possibly be identified as gap. Some critical infrastructure groups may have been involved in the CalSIEC, but more consistent and strategic efforts need to be identified or established for statewide compliance.

Next Steps:

1. Pull data from any transportation, port and rail homeland security plans.
2. August 16th CalSIEC session participants will provide existing information and develop action plan for documenting and coordinating statewide on this criterion.



DHS CalSCIP Criteria -- Strategy

Criterion 2.7

Describe the process for periodic review and revision of the state plan.

Recommended Approach:

- Describe how the CalSIEC is a standing body and will continue to review the plan on a yearly basis



SAFECOM Criteria

Section 3

Methodology



DHS CalSCIP Criteria -- Methodology

Criterion 3.1

Describe the method by which multi-jurisdictional, multi-disciplinary input was provided from all regions of the state. For an example of a methodology that ensures input from all regions, see the Statewide Communication Interoperability Plan, or SCIP, methodology developed by SAFECOM.

Recommended Approach:

- Document the baseline interoperable communications survey, interviews with stakeholders, the August 16 CalSIEC meeting (including additional PSRSPC reps, regional reps and UASI Reps), and if time permits, identify any regional/UASI strategy sessions held. Include the agenda for the August 16th CalSIEC meeting as an appendix.



DHS CalSCIP Criteria -- Methodology

<u>Criterion 3.2</u>	<u>Recommended Approach:</u>
Define the process for continuing to have local input and for building local support of the plan.	<ul style="list-style-type: none">• In addition to the previous step, describe how the CalSIEC and the 4 Regional Planning Areas will continue to operate.• Provide the agenda and dates for scheduled meetings.



DHS CalSCIP Criteria -- Methodology

Criterion 3.3

Describe how the TICPs were incorporated into the statewide plan.

Recommended Approach:

- Include a list of all TICPs in State and how they are incorporated in the CalSCIP.
- Note the launch of the 4 Planning Regions as an outcome of the 2005 DHS TICP effort.
- Explain that California realizes the value of creating TICPs and is in the process of ensuring every region has this reference. In an appendix, possibly provide one TICP as an example.



DHS CalSCIP Criteria -- Methodology

Criterion 3.4

Describe the strategy for implementing all components of the statewide plan.

Recommended Approach:

- **Describe how the CalSIEC, PSRSPC and the 4 Regional Planning Areas/6 Mutual Aid Areas plan to collaborate to implement the CalSCIP.**



SAFECOM Criteria

Section 4

Governance



DHS CalSCIP Criteria -- Governance

Criterion 4.1

Identify the executive or legislative authority for the governing body of the interoperability effort.

Recommended Approach:

- Identify as gap to ensure there is statewide consensus and sustained support for the governing body responsible for implementing the CalSCIP.



DHS CalSCIP Criteria -- Governance

Criterion 4.2

Describe a strategic vision, goals, and objectives for improving emergency response interagency wireless communications statewide, including how they connect with existing plans within the state.

Recommended Approach:

- Describe CalSIEC, PSRSPC, and 4 Regional Planning Areas' membership and operational structure.
- Leverage the 6 Mutual Aid Regions in statewide efforts.



DHS CalSCIP Criteria -- Governance

Criterion 4.3

Provide the charter for the governing body, and use the charter to state the principles, roles, responsibilities, and processes.

Recommended Approach:

- Describe the charter and process for the PSRSPC, which received legal authority and direction according to Public Safety Communications Act of 2002.
- Note that the CalSIEC is currently in the process of adopting an official charter.
- Describe how the CalSIEC continues to actively seek legislative recognition and authority.



DHS CalSCIP Criteria -- Governance

Criterion 4.4

Identify the members of the governing body and any of its committees.

Recommended Approach:

- List membership and positions for CalSIEC, PSRSPC, and 4 Regional Groups.



DHS CalSCIP Criteria -- Governance

Criterion 4.5

Provide a meeting schedule for the governing body.

Recommended Approach:

- **State that all meetings are announced 30 days prior, how they are announced and that the PSRSPC, CalSIEC and the 4 Regional Groups meet on a monthly basis.**



DHS CalSCIP Criteria -- Governance

Criterion 4.6

Describe multi-jurisdictional, multi-disciplinary agreements needed for decision making and for sharing resources.

Recommended Approach:

- Review and utilize existing statewide mutual aid agreements.



SAFECOM Criteria

Section 5

Technology



DHS CalSCIP Criteria -- Technology

Criterion 5.1

Statewide Capabilities Assessment:

Include a statewide capabilities assessment (or a plan for one) which includes, critical communications equipment and related interoperability issues. At a minimum this should include types of radio systems, data and incident management systems, the manufacturer, and frequency assignments for each major emergency responder organization within the state. Ultimately more detailed information will be required to complete the documentation of a migration strategy. States may use the Communications Asset Survey and Mapping (CASM) tool to conduct this assessment.

Recommended Approach:

- Identify baseline data throughout plan and describe how data will continue to be collected.



DHS CalSCIP Criteria -- Technology

Criterion 5.2

Describe plans for continuing support of legacy systems, and developing interfaces among disparate systems, while migrating to newer technologies.

Recommended Approach:

- **Identify as a gap and develop an initiative to develop a statewide strategy for interfacing among disparate systems.**



DHS CalSCIP Criteria -- Technology

Criterion 5.2.1

Describe the migration plan for moving from existing technologies to newly procured technologies.

Recommended Approach:

- **Identify as a gap and define an initiative to create a statewide “migration plan.” Some of this data will come from the PSRSPC plan as it discusses upgrading outdated technology for state agencies.**



DHS CalSCIP Criteria -- Technology

Criterion 5.2.2

Describe the process that will be used to ensure that new purchases comply with the statewide plan, while generally allowing existing equipment to serve out its useful life.

Recommended Approach:

- Identify as a gap and create an initiative that links OES/OHS grant funds to compliance with the statewide plan and migration plan.



SAFECOM Criteria

Section 6

Standard Operating Procedures (SOPs)



DHS CalSCIP Criteria -- SOP

Criterion 6.1

Include an assessment of current local, regional, and state operating procedures which support interoperability.

Recommended Approach:

- Document information from the Baseline Assessment Survey in the plan at a high level, and ensure that the FOG communications information is included in this section.



DHS CalSCIP Criteria -- SOP

Criterion 6.2

Define the process by which the state, regions, and localities will develop, manage, maintain, upgrade, and communicate standard operating procedures (SOPs), as appropriate.

Recommended Approach:

- Describe how the CalSIEC, PSRSPC, 4 Regional Groups and UASIs will develop, manage, maintain, upgrade and communicate SOPs. Also describe the FOG.



DHS CalSCIP Criteria -- SOP

Criterion 6.3

Identify the agencies included in the development of the SOPs, and the agencies expected to comply with the SOPs.

Recommended Approach:

- Note that there are MOUs with local governments for the use of the gateways and that each local government then determines how they will incorporate new equipment into their standing SOPs.
- The FOG initiative may also be listed.
- This initiative remains open upon confirmation of the process and review of the Statewide Mutual Aid Agreements.



DHS CalSCIP Criteria -- SOP

Criterion 6.4

Demonstrate how the SOPs are NIMS-compliant in terms of the Incident Command System (ICS) and preparedness.

Recommended Approach:

- Describe SEMS and any executive orders acknowledging NIMS/SEMS. Identify any COM-L training within California.



SAFECOM Criteria Section 7

Training & Exercises



DHS CalSCIP Criteria -- Training

Criterion 7.1

- Define the process by which the state will develop, manage, maintain, and upgrade, or coordinate as appropriate, a statewide training and exercise program.

Criterion 7.2

- Describe the process for offering and requiring training and exercises, as well as any certification that will be needed.

Criterion 7.3

- Explain how the process ensures that training is cross-disciplinary.

Recommended Approach:

- If existent, identify any communications interoperability statewide training opportunities. However, this may require an initiative to ensure that there is statewide compliance.



SAFECOM Criteria

Section 8

Usage



DHS CaISCIP Criteria -- Usage

Criterion 8.1

Describe the plan for ensuring regular usage of the relevant equipment and the SOPs needed to improve interoperability.

Recommended Approach:

- Identify the states mutual aid program and live exercises.



SAFECOM Criteria

Section 9

Funding



DHS CalSCIP Criteria -- Funding

Criterion 9.1

Identify committed sources of funding, or the process for identifying and securing short- and long-term funding.

Criterion 9.2

Include a plan for the development of a comprehensive funding strategy. The plan should include a process for identifying ongoing funding sources, anticipated costs, and resources needed for project management and leveraging active projects.

Recommended Approach:

- Identify as a gap and create an initiative.
- Use data and funding initiative identified in the PSRSPC plan as a benchmark.



SAFECOM Criteria Section 10 Implementation



DHS CalSCIP Criteria -- Implementation

Criterion 10.1

Describe the prioritized action plan with short- and long-term goals for achieving the objectives.

Recommended Approach:

- Use the prioritized goals determined at Aug 16th CalSIEC Strategy Session. Working alongside Touchstone, an action plan will be identified by OES.



DHS CalSCIP Criteria -- Implementation

Criterion 10.2

Describe the performance measures that will allow policy makers to track the progress and success of initiatives.

Recommended Approach:

- Working alongside Touchstone, performance measures will be identified by OES and vetted by CalSIEC leadership.



DHS CalSCIP Criteria -- Implementation

Criterion 10.3

Describe the plan for educating policy makers and practitioners on interoperability goals and initiatives.

Recommended Approach:

- Describe current and planned activities for educating policy makers.



DHS CalSCIP Criteria -- Implementation

Criterion 10.4

Describe the roles and opportunities for involvement of all agencies in the implementation of the CalSCIP.

Criterion 10.5

Describe the roles and opportunities for involvement of all agencies in the implementation of the CalSCIP.

Recommended Approach:

- **Identify as a gap and create an initiative. This initiative may require an evaluation of current governance processes and an initiative to determine who is responsible for implementing the statewide plan.**



DHS CalSCIP Criteria -- Implementation

<u>Criterion 10.6</u>	<u>Recommended Approach:</u>
Identify a POC responsible for implementing the CalSCIP.	<ul style="list-style-type: none">• Identify as a gap and create an initiative to identify the need for a statewide communications interoperability coordinator.



DHS CalSCIP Criteria -- Implementation

Criterion 10.7

Describe critical success factors for implementation of the plan.

Recommended Approach:

- Working alongside Touchstone, critical success factors will be identified by OES and vetted by CalSIEC leadership



DHS CaISCIIP Criteria

Where We Stand....

	7
	13
	18



DHS CalSCIP Criteria

Questions & Insights





BREAK

Please Return in 10 Minutes



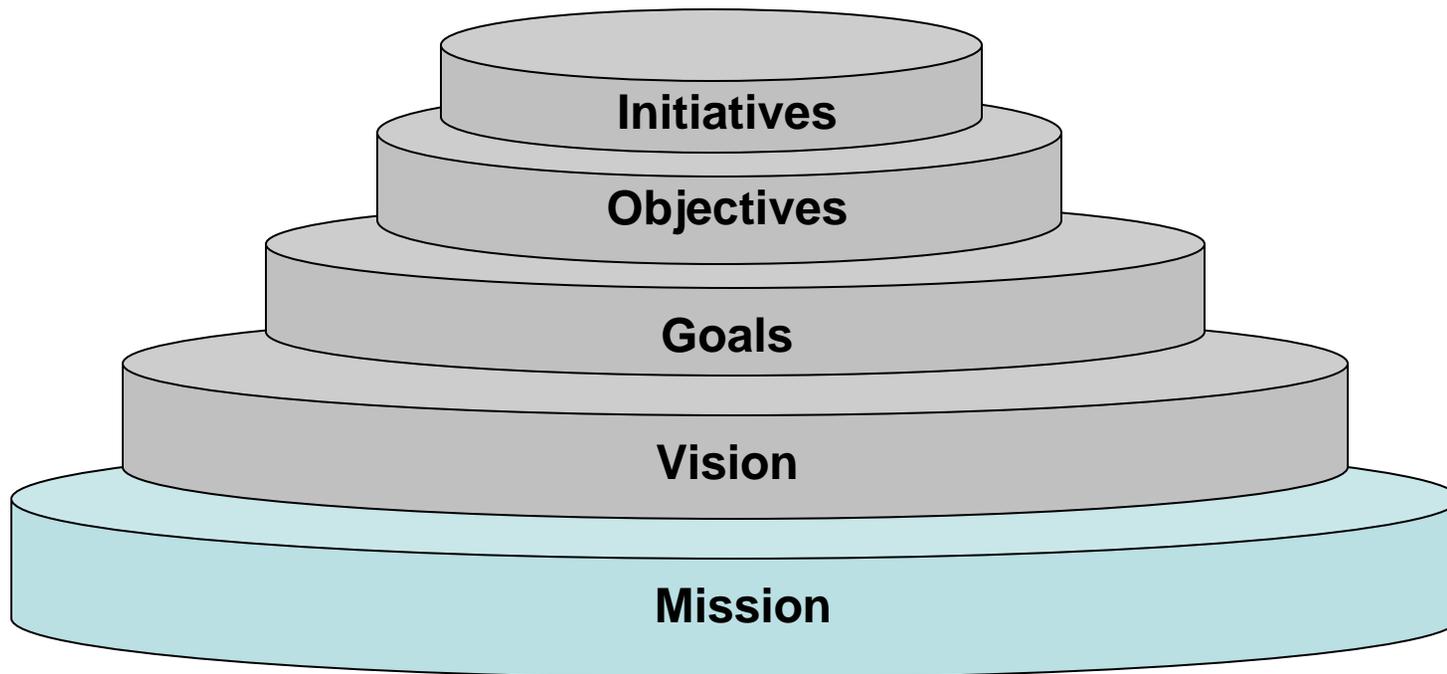


CalSCIP Vision, Mission, Goals & Objectives

Tony Macri
CalSCIP Facilitator



CaISCIIP Mission





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 reflects national standards, and is effective in addressing the unique urban and rural requirements of the public safety agencies and 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 reflects national standards, and is effective in addressing the unique urban and rural requirements of the public safety agencies and public service organizations serving the citizens of California.



CalSCIP Mission

**Services
Offered**

**Action
Oriented**

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



CalSCIP Mission

Services Offered

Action Oriented

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

Market Served



CalSCIP Mission

Services Offered

Action Oriented

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

Market Served

Clearly Differentiates the Organization

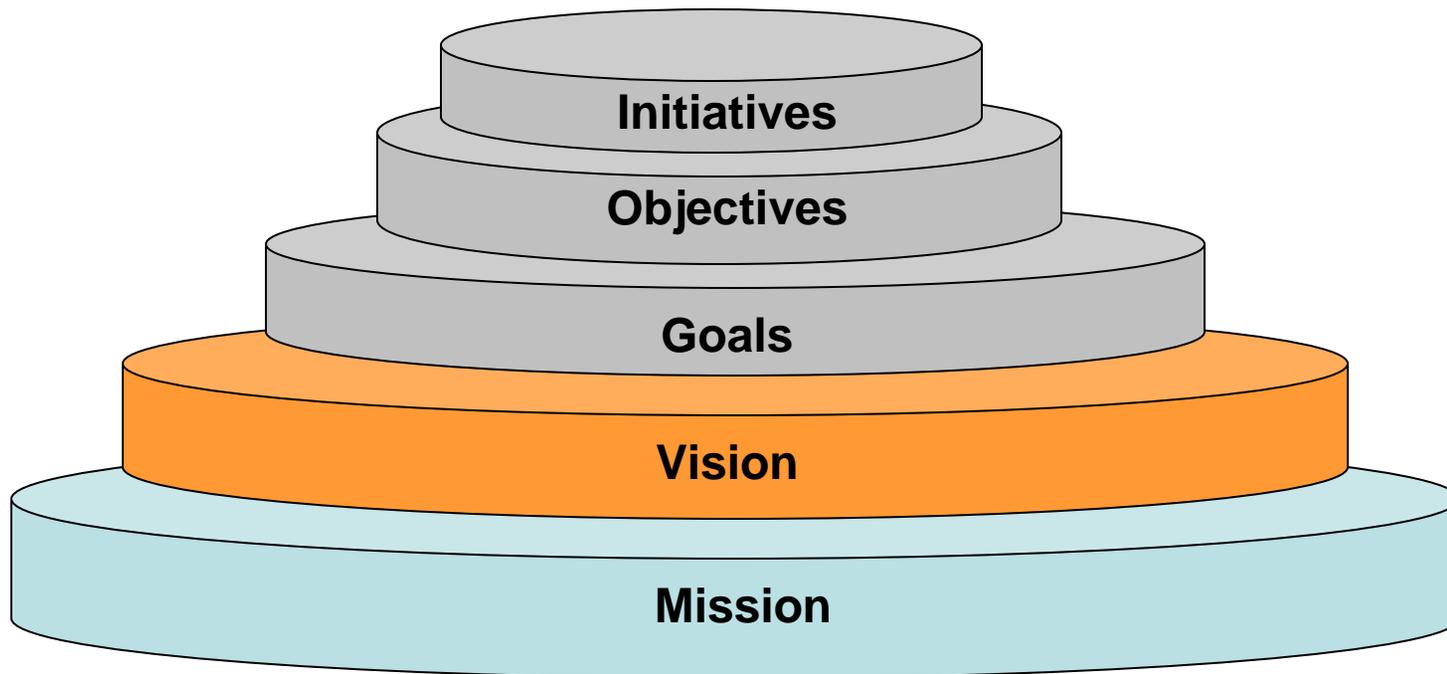


CalSCIP Mission

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



CaISCIIP Vision





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

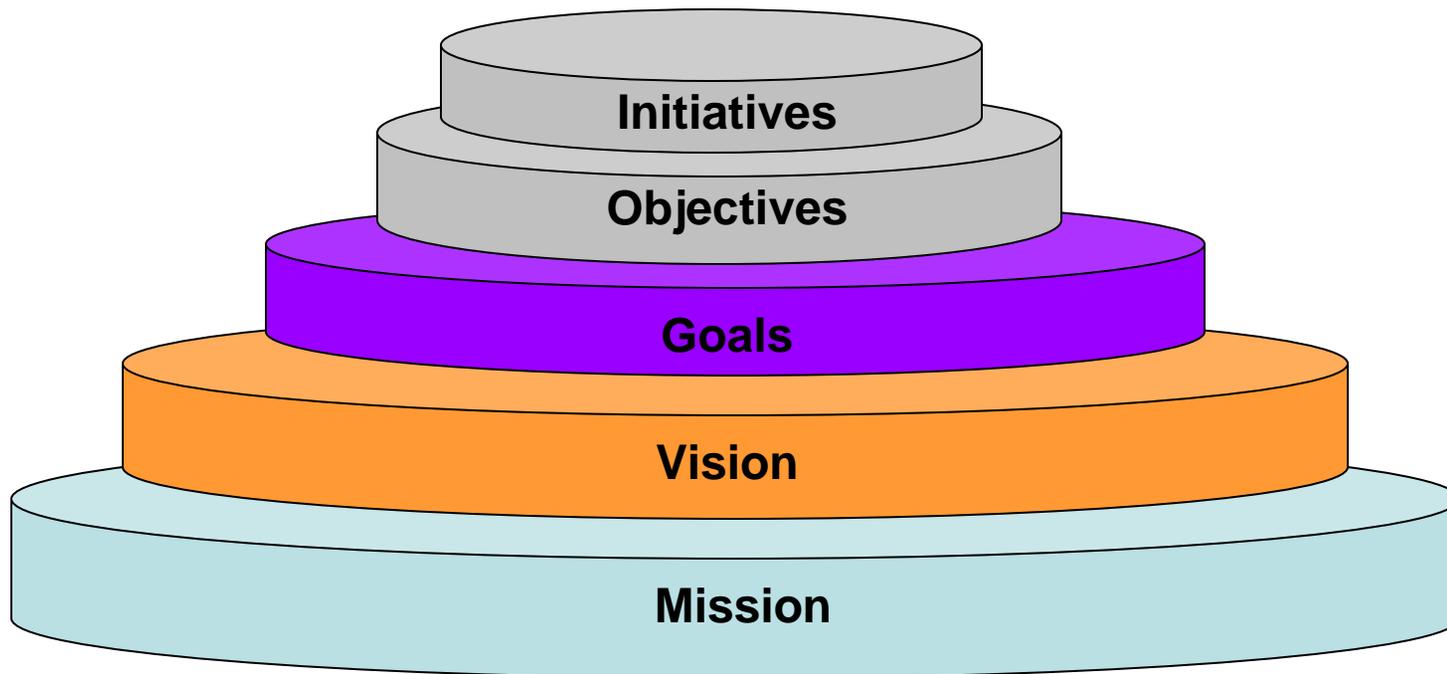


CalSCIP Vision

By 2017, ensure all local, regional, state, and federal public safety agency first-responders 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 emergency situations.



CaISCIIP Goals





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				

Minimal Level



Optimal Level

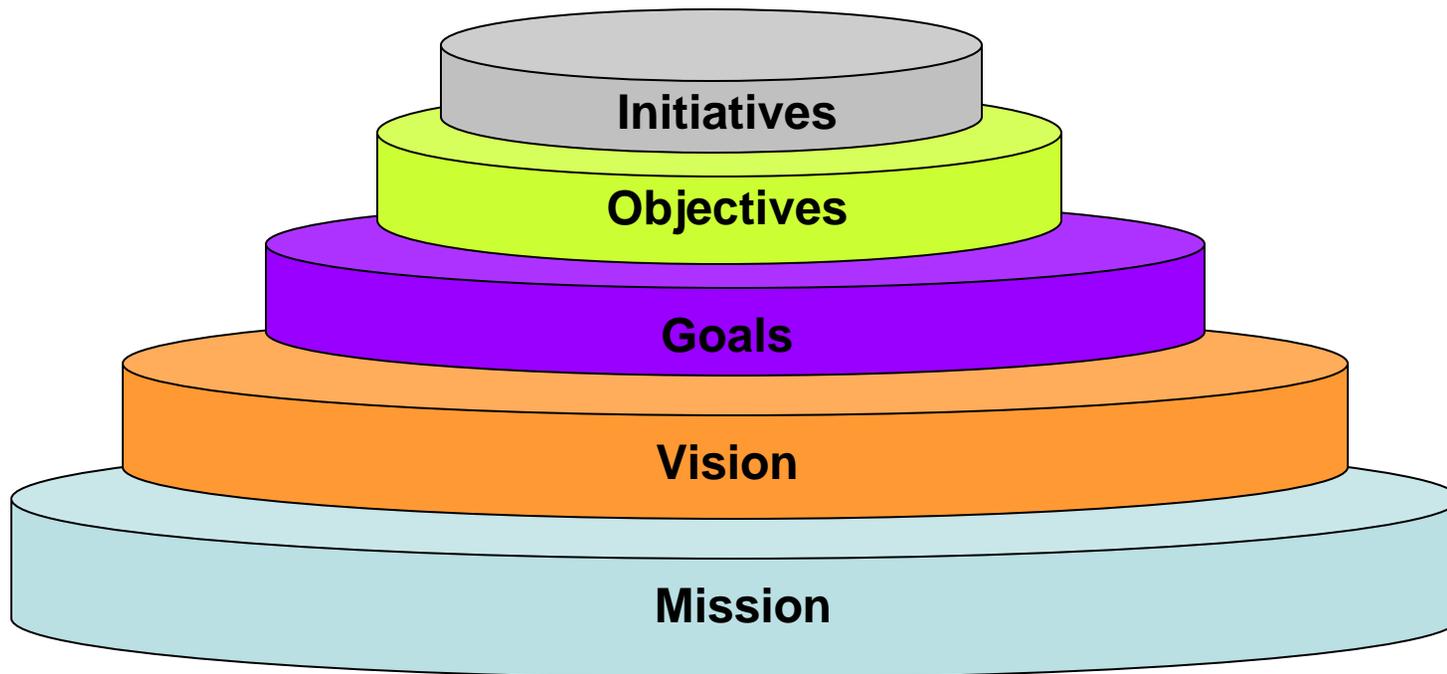


CalSCIP Goals

- **Goal 1: Governance** – Maintain coordinated governance for integrated statewide public safety voice and data interoperable communications systems planning
- **Goal 2: Standard Operating Procedures** – Maintain NIMS/SIMS 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 practitioners
- **Goal 4: Training & Exercise** – Ensure regular statewide interoperable communications training and exercise opportunities for California’s public safety practitioners
- **Goal 5: Usage** – Encourage statewide daily usage of interoperable communications equipment and standard operating procedures



CaISCIIP Objectives





CaISCIIP Objectives

- **Objective 1:** Provide statewide interoperability governance and outreach
- **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 region to state voice and data interoperable communications to enhance mutual aid response capabilities
- **Objective 7:** Create 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 Mexico 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 Initiatives...





DHS CalSCIP Criteria

Questions & Insights





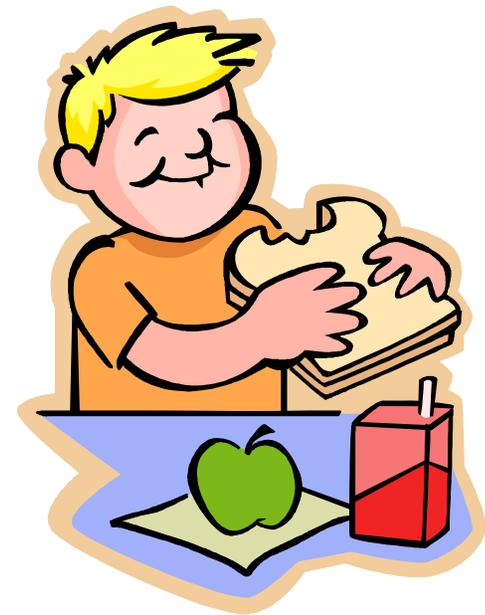
Review CalSCIP Outline

Erin Elder

CalSCIP Engagement Manager



Lunch





Statewide Assessment by Interoperability Planning Region

**Tony Macri
CalSCIP Facilitator**



CalSIEC Planning Areas

Northern	Capitol/Bay Area	Central	Southern
<ul style="list-style-type: none">○ Butte○ Colusa○ Del Norte○ Glenn○ Humboldt○ Lake○ Lassen○ Mendocino○ Modoc○ Nevada○ Plumas○ Shasta○ Sierra○ Siskiyou○ Sutter○ Tehama○ Trinity○ Yuba	<ul style="list-style-type: none">○ Amador○ Alameda○ Alpine○ Calaveras○ Contra Costa○ El Dorado○ Monterey○ Napa○ Placer○ Plumas○ Sacramento○ San Benito○ San Francisco○ San Joaquin○ San Mateo○ Santa Clara○ Santa Cruz○ Solano○ Sonoma○ Stanislaus○ Tuolumne○ Yolo	<ul style="list-style-type: none">○ Fresno○ Kern○ Kings○ Madera○ Mariposa○ Merced○ Tulare	<ul style="list-style-type: none">○ Kern○ Imperial○ Inyo○ Los Angeles○ Mono○ Orange○ Riverside○ San Bernardino○ San Diego○ San Luis Obispo○ Santa Barbara○ Ventura



BREAK

Please Return in 10 Minutes





Statewide Initiative Plan Development

**Tony Macri
CalSCIP Facilitator**



CalSCIP Working Groups

Usage Group:

Bob Sedita, Ron Wong, Ken Mann, Jason Keeling, John Penido

Training & Exercises:

Don Root, Ken Chappelle, Brent Finster, Michele Elliott, Holly Ziegler

Technology:

Glen Savage, Bill DeCamp, Bob Fasulkey, Mitch Sutton; Preston Thomson, Gary Grootveld, Don Root, Manuel Bergado

Governance Group:

Dan Manzer, Don Turos, Sue Plantz, LeAnn Gilmore, Don Casey, Reggie Chappelle, Mary Cook, Robert Samaan, Sony Fong



Next Steps & Closing