



Interoperability In California

California Statewide Communications Interoperability Plan

Northern Planning Meeting
September 27, 2007



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*
- *Shared Understanding of the Mission, Vision, Goals and Objectives for California's Interoperability Effort*
- *Agreement on Current Statewide Assessment for CaISCIP*
- *Shared Understanding of Current State Assessment & Challenges Identified for State Agencies*

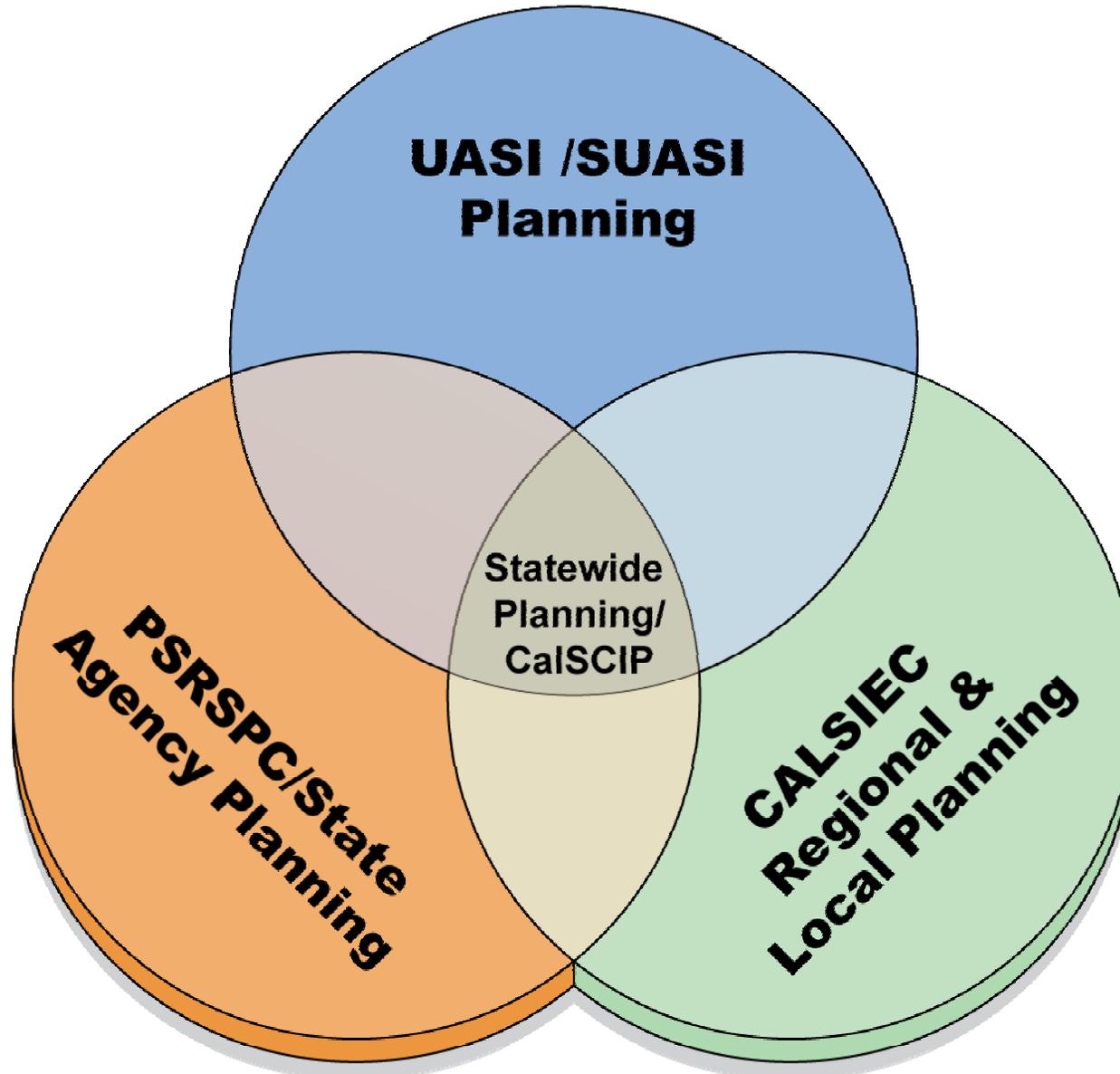


CalSCIP Project Scope

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 Project Scope





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 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

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CalSCIP Mission

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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	High Degree of Leadership, Planning, and Collaboration Among Areas with Commitment to and Investment in Sustainability of Systems and Documentation	
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		





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

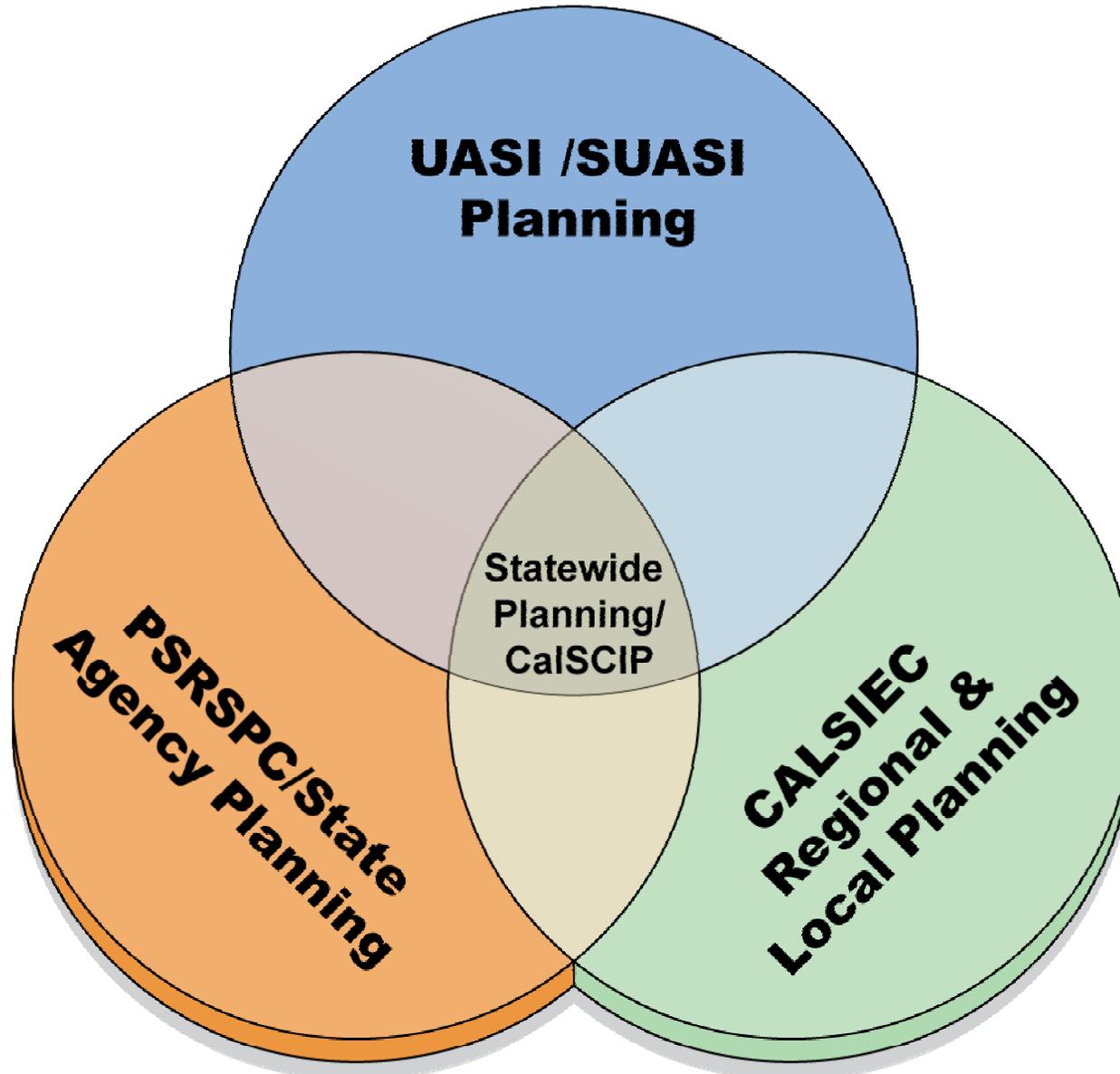


CaISCIIP Objectives

- ***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 Project Scope





DHS CalSCIP Criteria

Questions & Insights





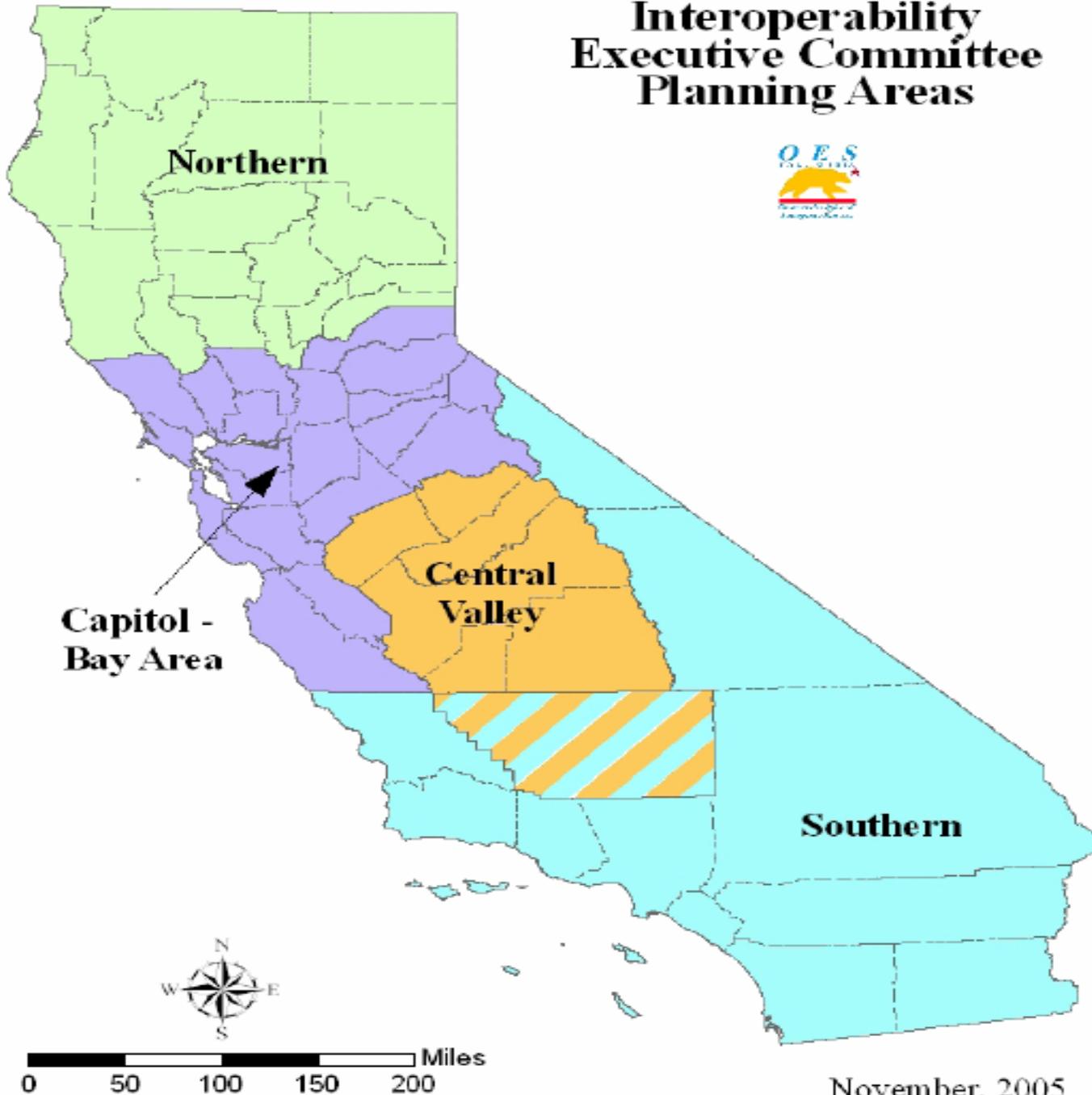
Governance, Planning Areas & Mutual Aid Regions

California Statewide Interoperability Executive Committee Planning Areas

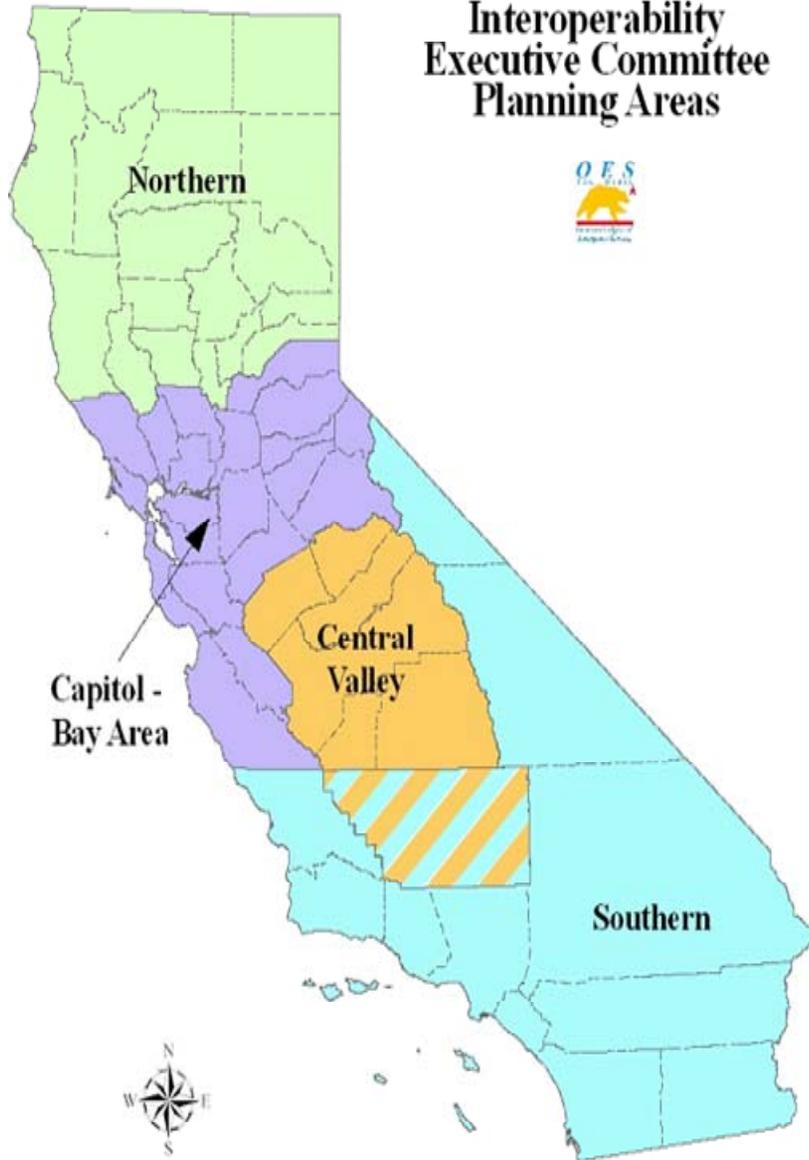


Northern "Spectrum" Planning Area

- Butte
- Colusa
- Del Norte
- Glenn
- Humboldt
- Lake
- Lassen
- Mendocino
- Modoc
- Nevada
- Plumas
- Shasta
- Sierra
- Siskiyou
- Sutter
- Tehama
- Trinity
- Yuba



California Statewide Interoperability Executive Committee Planning Areas



November, 2005

State of California
Governor's Office of Emergency Services

Administrative Regions with Mutual Aid Regions

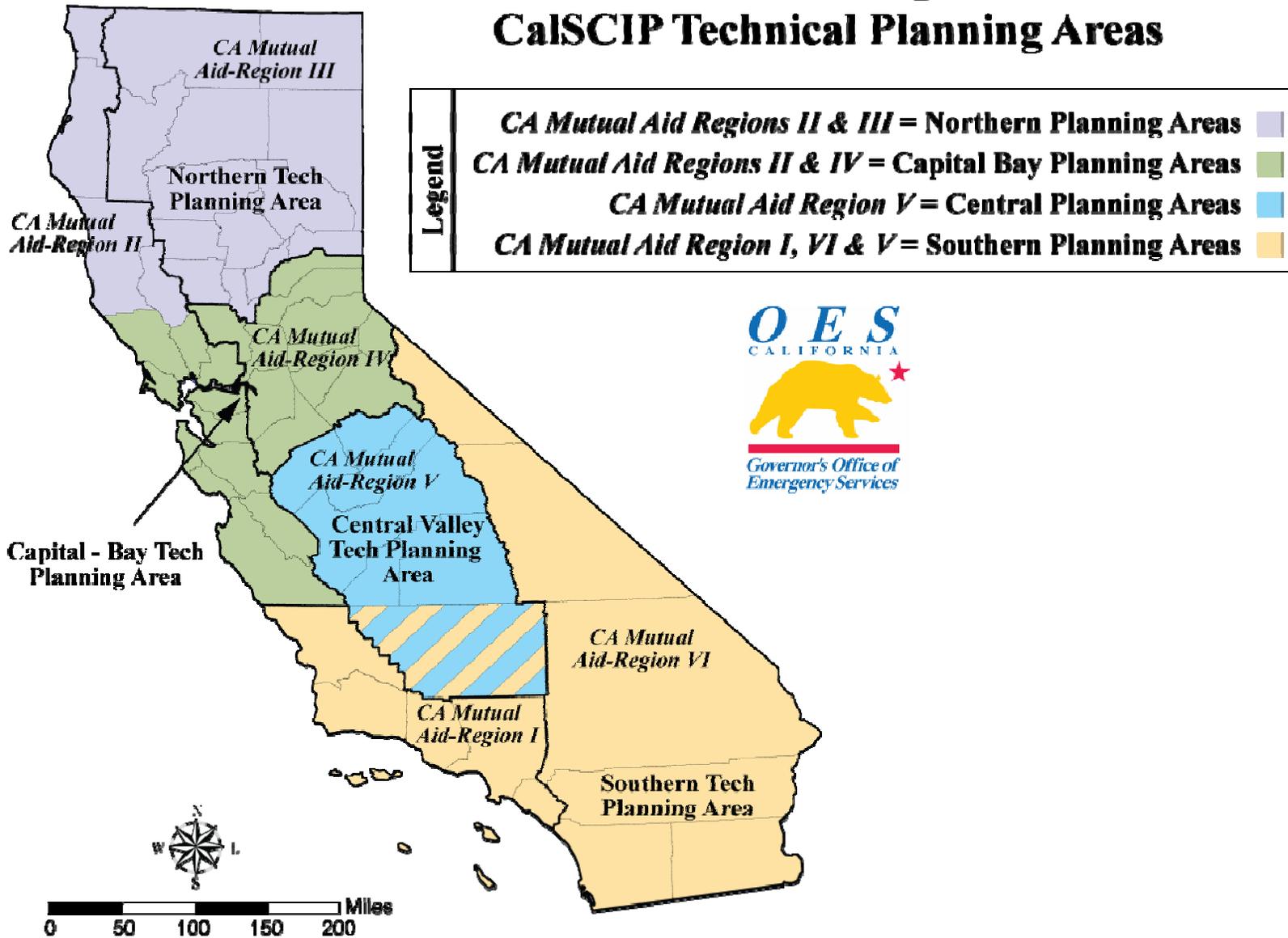


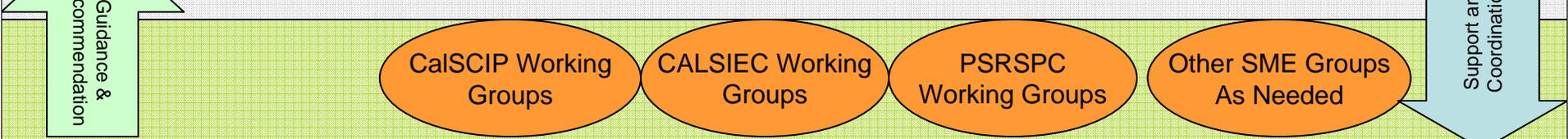
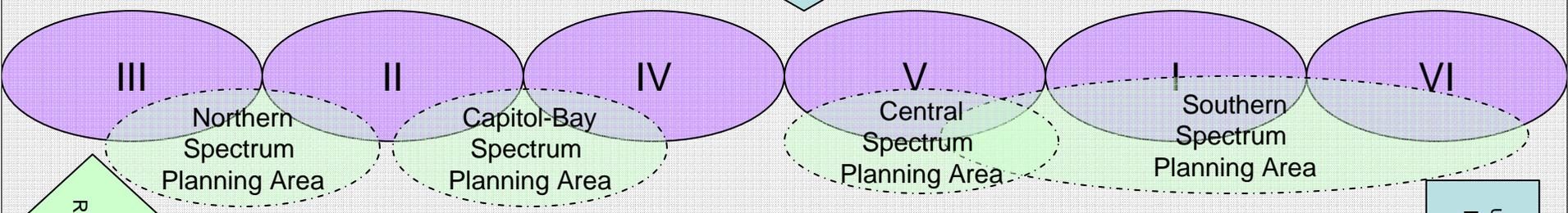
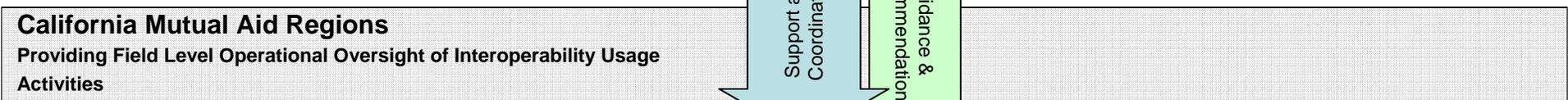
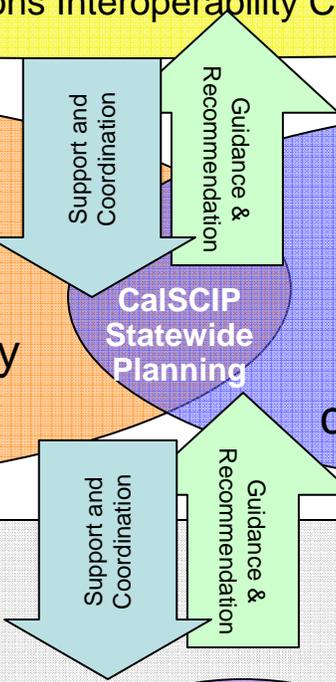
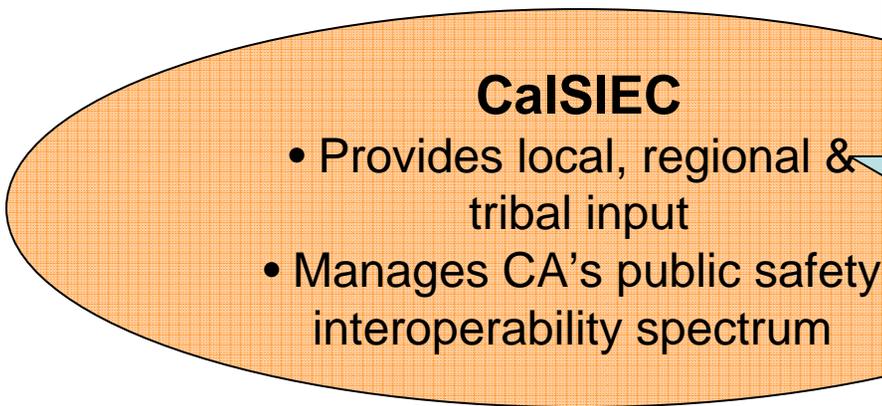
Coastal Region Mutual Aid Region II
Southern Region Mutual Aid Region I & VI
Inland Region Mutual Aid Region III, IV & V



State of California
Governor's Office of Emergency Services

CA Mutual Aid Regions with CalSCIP Technical Planning Areas



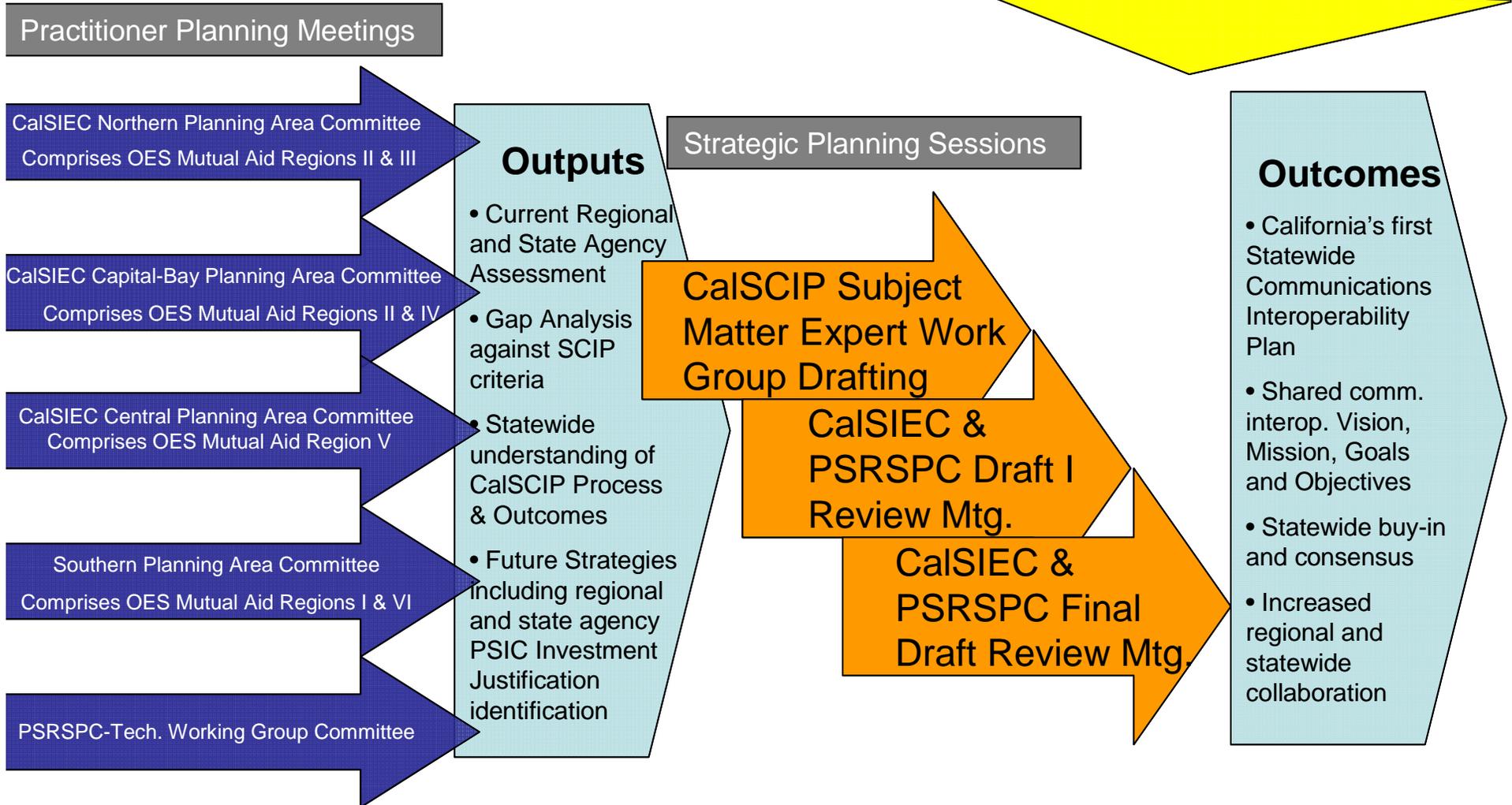


Statewide Initiative Working Groups (SIWGs) and Stakeholder Resource Pool



Acknowledge Statewide Planning Criteria, Approach & Gap Analysis

Planning for Statewide Interoperability in California





DHS CaISCIP Criteria

	Gap identified and initiative required 7
	Possible gap and possible initiative required 13
	Not a gap and no initiative required. Criterion can be resolved by utilizing baseline data, current published reports and OES internal knowledge 18

38 Total Criterion's



Governance Initiatives

- **Proposed Initiative 3:** Define and strengthen the integration between the Mutual Aid Regions and the CALSIEC Planning Areas for coordinated development and implementation
 - SAFECOM Criteria 4.2
- **Proposed Initiative 4:** Identify and support a dedicated California Interoperability Coordinator responsible for the implementation of the CalSCIP and coordination of statewide communications interoperability planning.
 - SAFECOM Criteria 10.6
 - Tasks include:
 - Developing an outreach plan educating policy makers and practitioners



Technology Initiatives

- **Proposed Initiative 5:** Provide a dedicated resource and/or initiative action team to develop and implement the System of Systems Preliminary Draft Project Plan (see System of Systems Preliminary Draft Project Plan Appendix X).
 - SAFECOM Criteria 5.2
 - Tasks include:
 - Coordinate with the regions and localities to ensure necessary operability of the existing systems is addressed
 - Develop an RFI for obtaining industry expertise on the interconnections in the Systems of System concept
 - Further refine the System of Systems Statement of Requirements (SoR) refer to Appendix x)).
 - Consider the Functional and Operational Considerations Checklist that will be employed to verify all stakeholder requirements are accommodated by the developing System of Systems solution (see Appendix x).



Technology Initiatives

- **Proposed Initiative 6:** Identify a process for completion of the statewide capabilities assessment by leveraging TICPs and CASM if appropriate.
 - SAFECOM Criteria 5.1
 - Tasks include:
 - Evaluate CASM in detail, to identify and address any CASM deficiencies or variances relative to the state's requirements
 - Encourage all localities to insert technical and geographical data into CASM
 - Encourage all localities to allow for statewide sharing of CASM data
 - (Note: this will be enhanced once OHS provides us with their CASM methodology and objectives)



Training & Exercise Initiatives

- **Proposed Initiative 7:** Develop a training strategy and implement a long-term, continuous training program for communications interoperability.
 - SAFECOM Criteria 7.1
 - Tasks Include:
 - Continue to enhance and augment an interoperable communications training program that is SEMS/NIMS compliant.
 - Coordinate with the CSTI and the six Mutual Aid Regions to identify, develop, coordinate and promote statewide multi-discipline communications interoperability training efforts.
 - Develop statewide COML training curriculum and class offerings
 - Design an equipment training program for the various cache resources and telecommunications equipment available via mission tasking requests.
 - Collaborate with CALSIEC on the development of a multi-discipline communications training program.



SOP Initiatives

- **Proposed Initiative 8:** Provide a dedicated resource and/or initiative action team to develop a communications Field Operations Guide as an effort to compile the statewide SOPs (add tasks).
 - SAFECOM Criteria 6.0
- **Proposed initiative 9:** Develop a Mutual Aid Gateway SOPs (add tasks)
 - SAFECOM Criteria 6.0
- **Proposed Initiative 10:** Create a Common Language Protocol across California (add tasks)
 - SAFECOM Criteria 6.0



SOP Initiatives

- **Proposed Initiative 11:** Define a statewide process for the approval and use of shared interoperability channels (add tasks)
 - SAFECOM Criteria 6.2
- **Proposed Initiative 12:** Build upon and enhance on existing regional level efforts for coordination with neighboring states and Mexico at the OES and CALSIEC levels
 - SAFECOM Criteria 2.2
- **Proposed Initiative 13:** Develop any needed statewide planning for communications interoperability with safety and security elements of the major transit systems, ports, and rail operations
 - SAFECOM Criteria 2.6

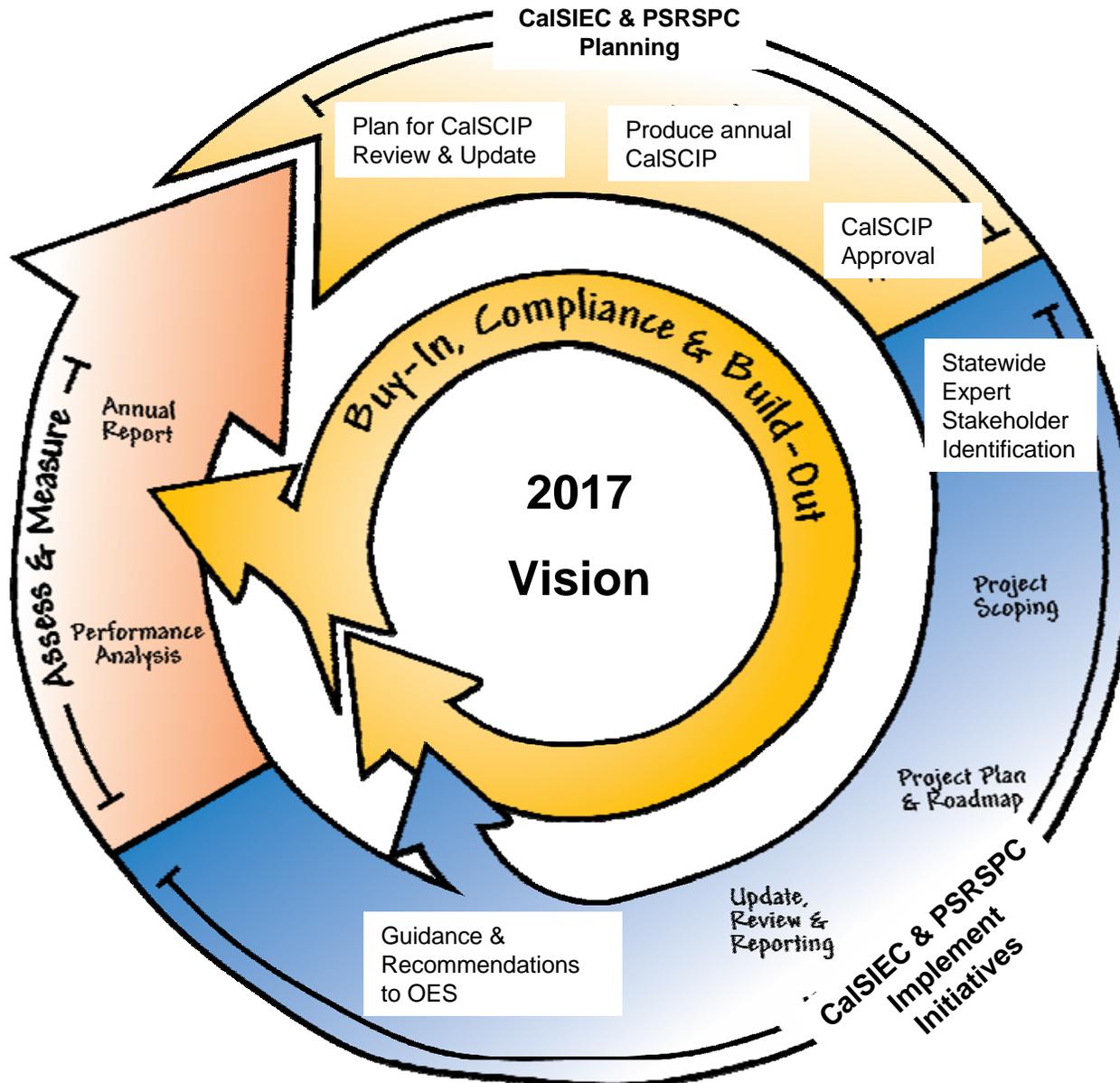


Funding Initiatives

- **Proposed Initiative 14:** Develop a funding sustainability plan leveraging ongoing efforts
 - SAFECOM Criteria 9.1 & 9.2



CalSCIP Planning Lifecycle





Statewide Assessment Review & Enhancement

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