

Staff Subcommittee on Telecommunications

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**FirstNet – We Have a Winner!
What Does it Mean for States
and Consumers?**

Adam Geisler – is currently one of two FirstNet National Tribal Government Liaisons He has served as a delegate to FirstNet’s Public Safety Advisory Committee (PSAC) Tribal Working Group, representing the International Association of Emergency Managers tribal caucus and Southern California Tribal Chairmen’s Association, respectively.

Adam is an enrolled member of the La Jolla Band of Luiseño Indians (California) and has served in a number of leadership roles with the tribe—including as elected tribal council secretary, vice chairman of the Inter-Tribal Long-Term Recovery Foundation, and is contributor and Vice President for “The Red Guide to Recovery.” Adam has been in his elected office for the past seven years and has led his tribe through three federally declared disasters. At FirstNet, Adam will be the principal point of contact for tribes in FirstNet/FEMA regions IX and X.

Patrick J. Mallon - serves as Assistant Director of Public Safety Communications in the California Governor's Office of Emergency Services. Previously he was Executive Director at Los Angeles Regional Interoperable Communications Systems from 2011 to 2016 and Senior Program Manager at Carter Goble Lee Facility Management, LLC, from 2007 to 2011. He also served as the Project Coordinator of the Regional Crime Laboratory project, a joint use criminalistics facility serving the Los Angeles County Sheriff and City Police Departments from 2001 to 2007.

Mr. Mallon began his civil service career with the LA County Sheriff's Department 50 years ago and achieved the rank of Commander before his retirement in 2003. He was also a Criminal Investigator in the U.S. Army Criminal Investigation Command from 1967 to 1969. He is a certified Project Management Professional (PMP) with the Project Management Institute and earned a Master of Public Administration degree from Pepperdine University.

Brian Shepherd - is currently the Chief Operating Officer for the Colorado Broadband Office within the State of Colorado Governor's Office of Information Technology (OIT) where he is responsible for developing a statewide, comprehensive broadband strategy to ensure all Coloradan's have access to broadband technology. Additionally, Mr. Shepherd is the Single Point of Contact (SPOC) for the FirstNet initiative working to develop Colorado's plan for the Nationwide Public Safety Broadband Network.

Prior to joining OIT Mr. Shepherd spent eight years in public safety as the deputy director of the Adams County Communications Center (ADCOM911) where he managed one of the initial seven public safety LTE BTOP Pilot Projects. Prior to his public service Brian spent 10 years working in the software development sector developing web-based technologies for a variety of industries. Mr. Shepherd served on the FCC's Technical Advisory Board for First Responder Interoperability and is a past chair of the Colorado 9-1-1 Task Force.

Mr. Shepherd has a Bachelors Degree in Business Administration with an emphasis in Information Systems from the University of Colorado, Boulder and a Masters in Public Administration from the University of Colorado, Denver.



FirstNet Overview, Solution, & Next Steps

National Association of Utility Commissioners



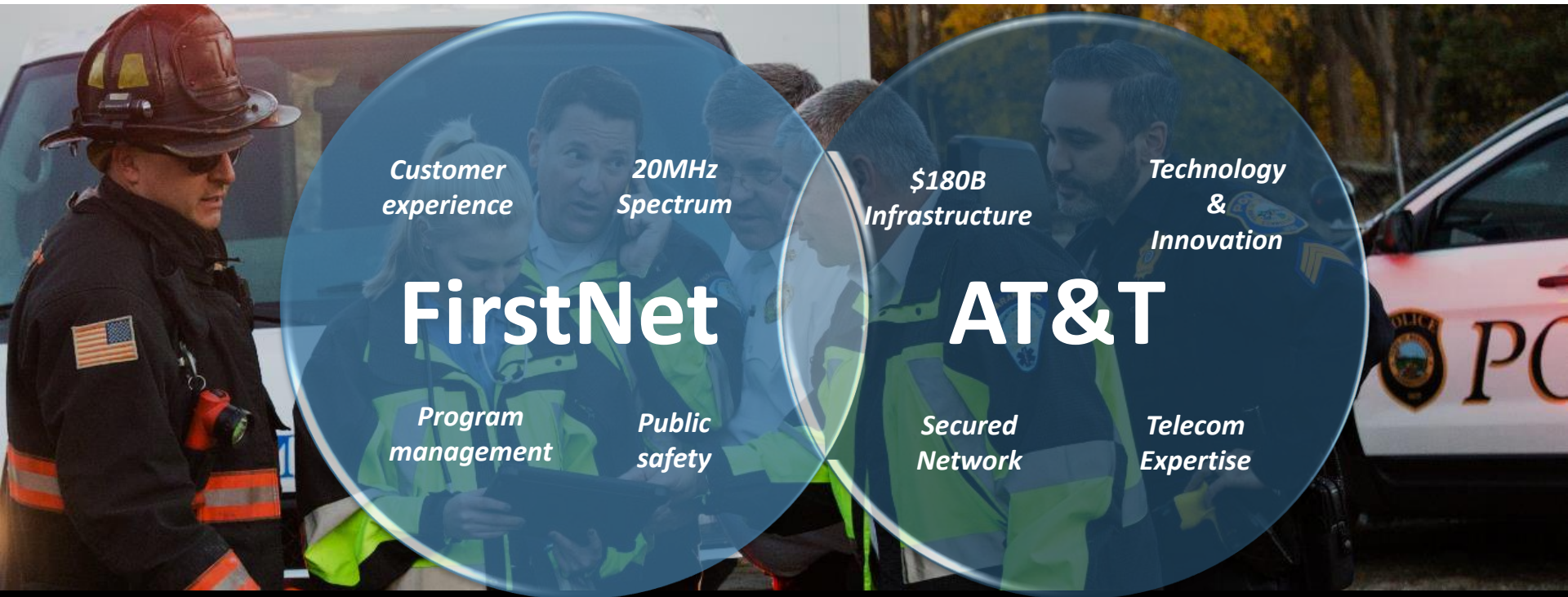
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- **Overview of FirstNet**
- **Solutions Overview**
- **Governor's Decision**
- **Questions and Answers**

Overview of First Responder Network Authority (FirstNet)



Innovative Public-Private Partnership



Creating an infrastructure dedicated to public safety

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What Is QPP, and Why Does Public Safety Need It?

- QPP – QoS – Priority - Preemption
- Quality of Service (QoS): establishes minimum/maximum service quality parameters
- Priority: Gives users preferred access to network resources
- Preemption: Terminates or relocates lower priority users to provide primary users with access



FirstNet Solution Overview



Coverage

Reaches 97+% of US population

40,000 Wi-Fi hotspots

Satellite and deployable coverage for 99% geographic reach



In-Building Solutions

Access to more than 6,000 existing AT&T in-building assets including stadiums and transportation facilities



Deployables

Hundreds of AT&T units for daily network maintenance

72 deployables for FirstNet customer requests

Customer-deployable asset options



Service Plans & Procurement

Competitive rate plans at or below existing commercial pricing

Purchase through a variety of contract vehicles

FirstNet Solution Overview



Devices & BYOD

Any AT&T LTE device can be a FirstNet device

Wide choices, aggressive pricing

Use your personal device on FirstNet



Basic & Future Services

Includes all the voice, data and messaging features of commercial networks

Future roadmap for Mission Critical services



Priority/Preemption

Priority and preemption on Band 14 + AT&T commercial LTE bands

Multiple priority levels within agencies

Mutual aid priority management for incident response



Cybersecurity

Security Operations Center for FirstNet

Uses AT&T's global cybersecurity assets

FirstNet Solution Overview



ICAM

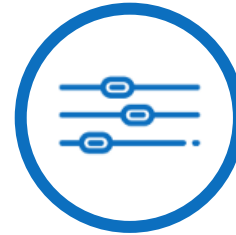
Single Sign-On
capability across all
FirstNet applications
plus agency
applications



FirstNet App Store

Shows only security
audited apps from
trusted vendors

Can integrate with
agency MDM/MAM



Local Control

One stop web tool for
managing user rate
plans, priority levels,
PTT groups, ICAM
authorizations and more



Public Safety Home Page

Unprecedented visibility
into network status and
more

FirstNet Solution Overview



App Developer Program

Foster innovation and interoperability in public safety mobile apps

APIs for FirstNet specific features



Solutions

First-party options for key services like PTT, mobile VPN, messaging, LBS and more

Or bring your own apps



Training

Public safety solution specialists to educate agencies on how to maximize their use of FirstNet services



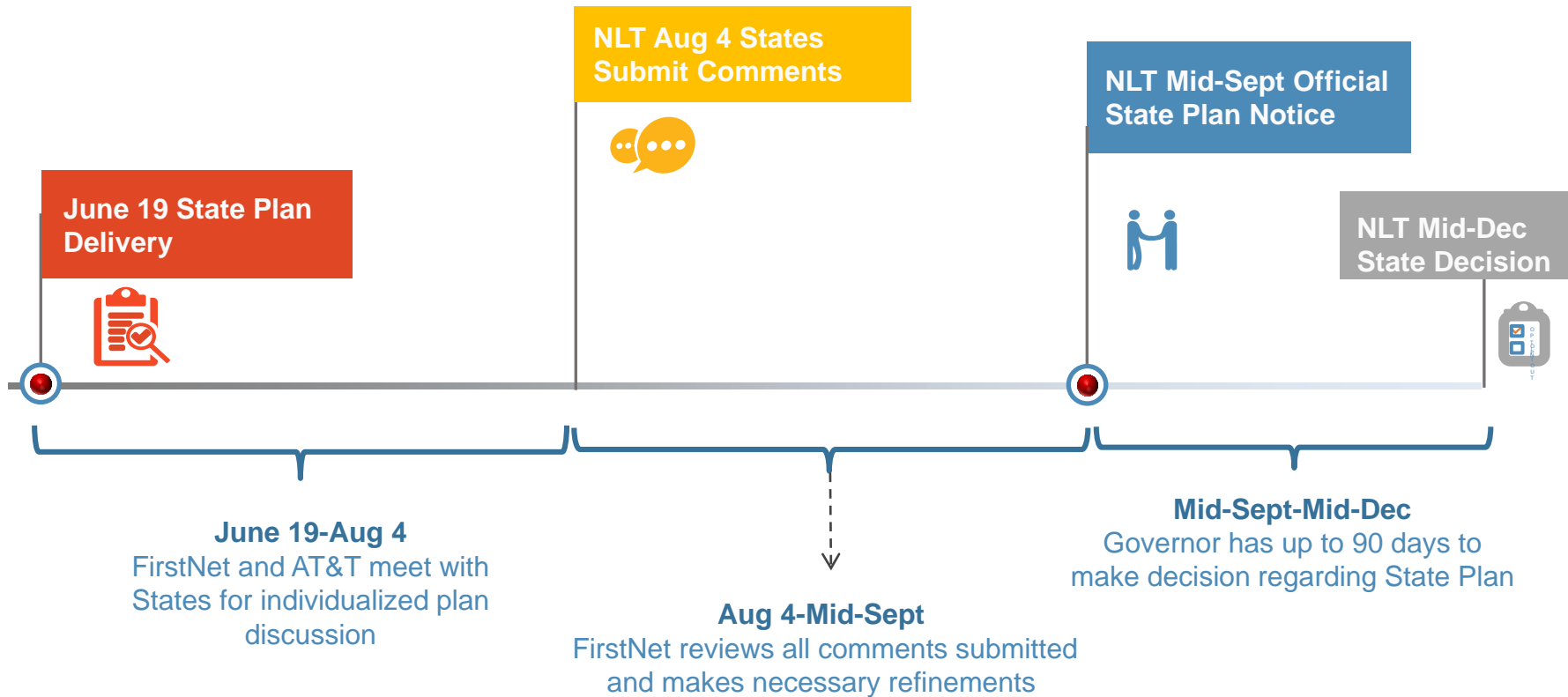
Support

Dedicated 24 x 7 x 365 FirstNet mobility customer care desk based in the US

State Planning Process for Governor Opt-In/Opt-Out Decision



Important Dates





Q&A

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***Cal* OES**

GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

FirstNet – State Perspective

Patrick J. Mallon, Assistant Director

Public Safety Communications

July 16, 2017

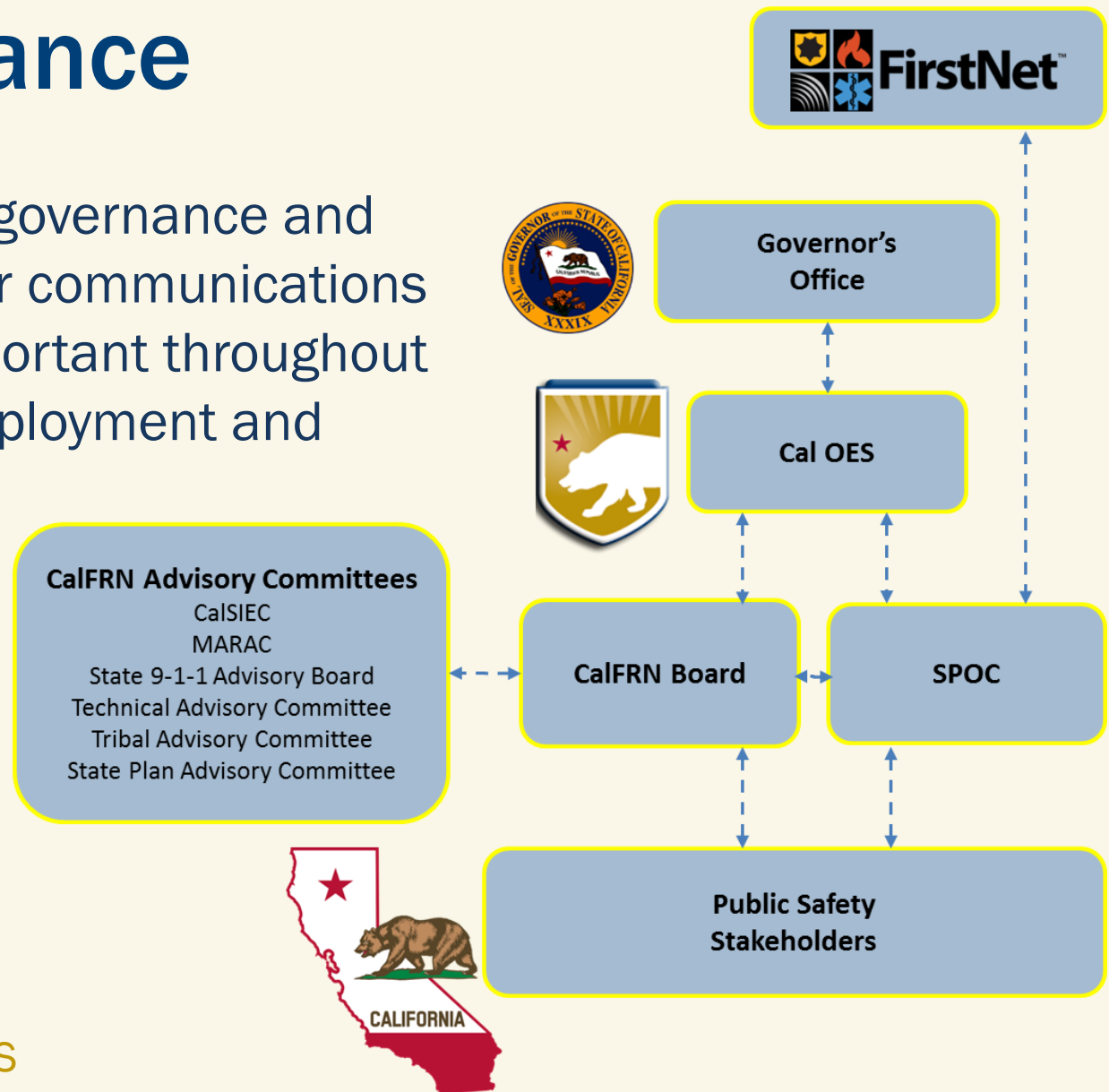
The Role of Cal OES

- Governance
- State Plan Review
- California's Priorities

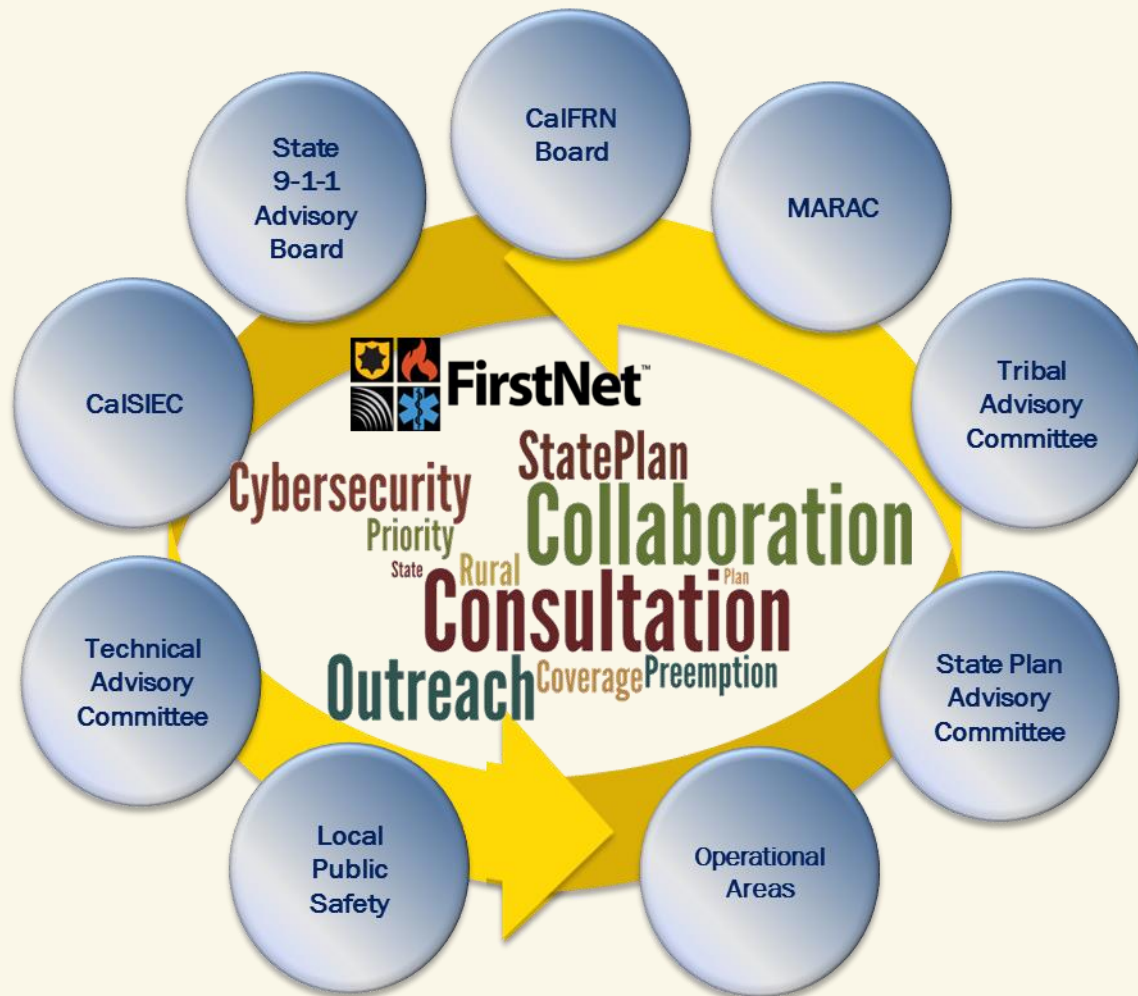


Governance

- Continued governance and stakeholder communications remain important throughout network deployment and operations



CalFRN Board and Advisory Committees



The Role of Cal OES

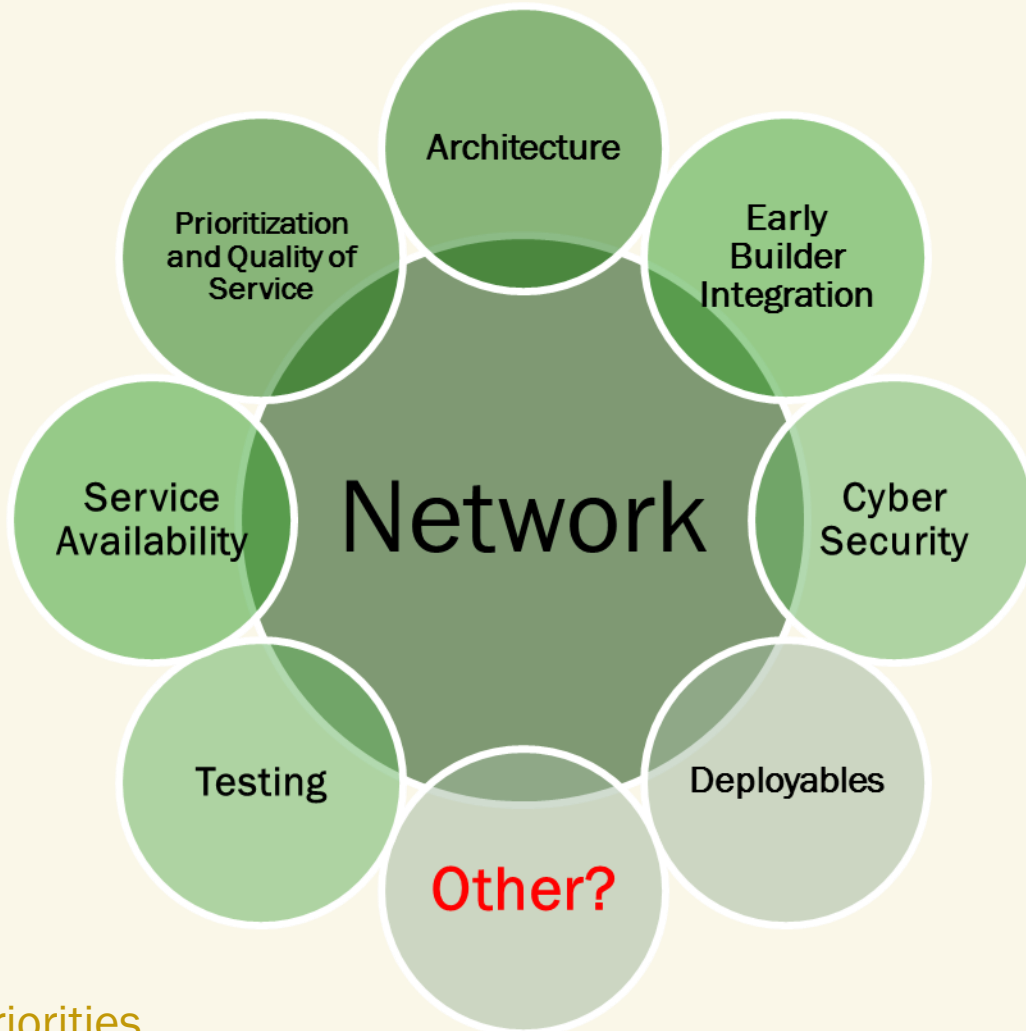
California's Priorities

No.	Priority Categories	Description
1a	Timeline of Deployment	Phased approach timeline
1b	Coverage & Capacity	California's proposed coverage map, and capacity for all areas
1c	Architecture	Sustain system performance that exceeds Tier 1 commercial provider performance. Infrastructure hardening
1d	Customer Service Quality	Customer service
2a	Mexico Border	Border interference
2b	Coastline	Coastal Commission restrictions, coverage along all of California coastline
3a	Rural	California's proposed coverage map, and capacity of all areas
3b	Tribal	California has 109 Federally recognized tribes
4	Early Builder Integration	Early Builder integration
5	Devices	Competitively priced as compared to commercial vendors
6	Cost	Pricing schedules for services
7	Prioritization and Quality of Service (QPP)	Local control for responders, QPP architecture aligns with responders needs
8	Cyber Security	Equivalent to industry leading commercial carriers
9	Service Availability	Network service available 24 hours a day, 7 days a week, 365 days a year. High network reliability, resiliency and redundancy
10	Applications Integration	Support for applications that are sensitive in nature and require physical or logical separation
11	In-Building	In-building coverage
12	Training	Ongoing new device and service training
13	Testing	User testing especially local control features
14	Deployable (s)	Deployable staged strategically; use of existing towers and backhaul
15	Financial Stability	Self-sustaining business model, marketing
16	PSAP Data & CAD Interface	9-1-1 and computer aided dispatch (CAD) information delivered to field
17	CLETS & Critical Data Access	Access to California Law Enforcement Telecommunication System (CLETS) and other critical data

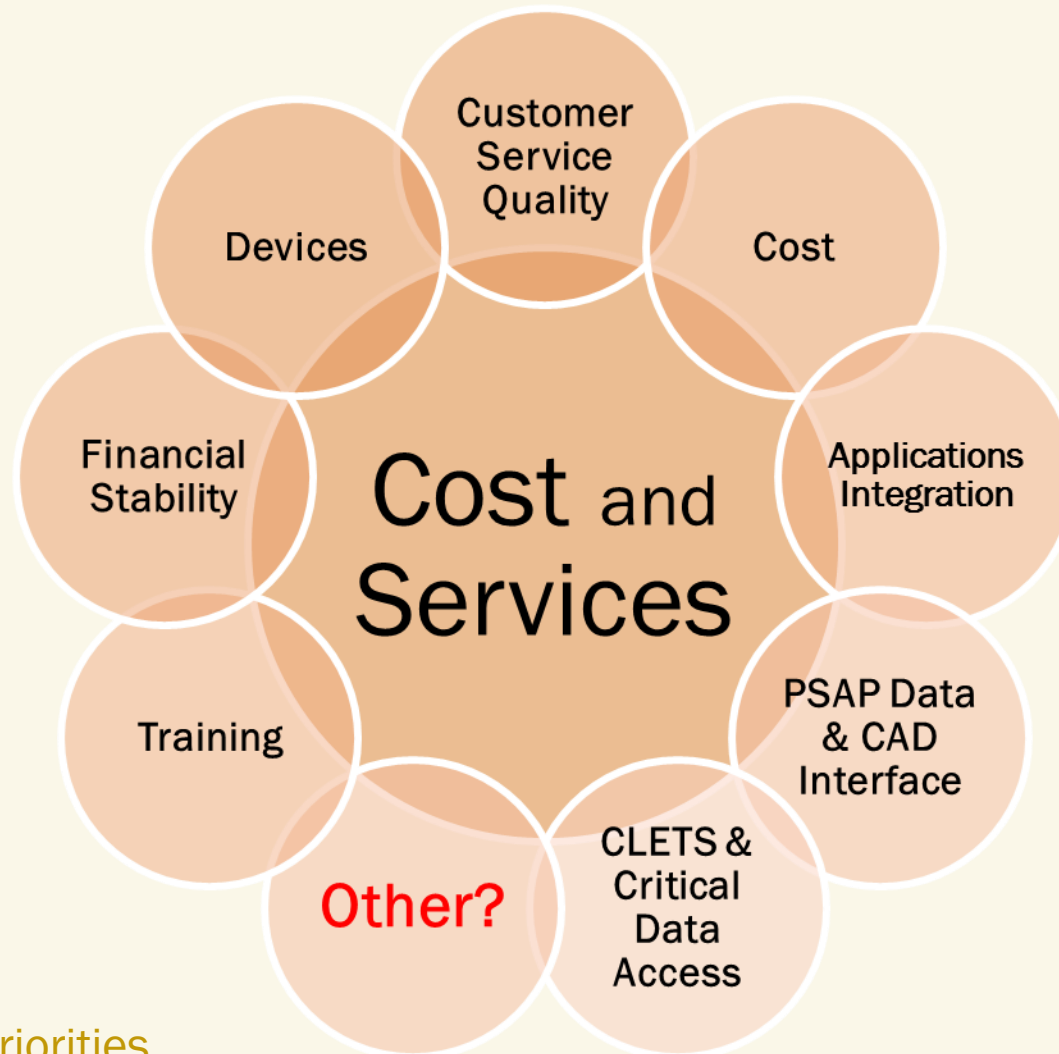
California Coverage Priorities



California Network Performance Priorities



California Cost and Services Priorities



Key Concerns for California

- Coverage, Network Performance, and Cost and Services
 - Current AT&T User Cost Information is Illusory
- Network Resiliency –Public Safety Grade – TIA 222-Rev. G
- FirstNet Defined Priority Levels – Primary Users, Extended Primary Users, and Volunteer Users
- Local Control/Device Management
- Device and Applications Ecosystems
- CLETS Approved (California Law Enforcement Terminal System)
- PSAP Ready – Able to Connect to Existing Call Answering Points and Dispatch Consoles

State Plan Review Meeting Schedule

Spread the word! Invite your partners and peers to join us at a FirstNet outreach future event:

Event	Date	Location	Time
1	Monday, June 26	Fresno	1:00-4:00
2	Wednesday, June 28	Sacramento – Cal OES	1:00-4:00
3	Thursday, June 29	Dublin	1:30-4:30
4	Thursday, July 6	Palo Alto	9:00-12:00
5	Friday, July 7	Van Nuys	9:00-12:00
6	Monday, July 10	Los Alamitos	9:00-12:00
7	Tuesday, July 11	La Jolla	9:00-12:00
8	Wednesday, July 12	Ontario	9:00-12:00
9	Monday, July 17	Atwater	1:30-3:00
10	Thursday, July 20	Redding	10:30-12:30
11	Friday, July 21	San Luis Obispo	1:00-4:00
12	Thursday, July 27	Sacramento – Tribal Consultation	TBD

State Plan Content for Governor's Decision



Access the plan at: www.firstnet.com

Next Steps for California

- State Plan will be officially delivered to Governor in Mid-September
- Cal OES, CalFRN, and the State Plan review team will evaluate the updated plan to ensure California's priorities are addressed
- Evaluation of updated State Plan and the Opt-Out alternative will be presented to the Governor
- Governor's decision to Opt-In / Opt-Out will be made by Mid-December

What Can I Do?

You can make a difference!

- Go to www.firstnet.com and review the FirstNet service offering
- Provide your comments on behalf of you and your agency now. Or, go online at:

www.firstnetincalifornia.org

For more information:

www.caloes.ca.gov/CalFRN

Site contains slides and all outreach information





Cal OES

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OF EMERGENCY SERVICES

QUESTIONS

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