



California
TECHNOLOGY AGENCY

National Public Safety Broadband Network

***Presentation to the California Law Enforcement Telecommunications System
Advisory Committee***

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March 2013**

Middle Class Tax Relief and Job Creation Act of 2012

- Signed by the President on February 22, 2012
- Act includes reallocation of 10 MHz portion of 700 MHz spectrum referred to as the D Block, to public safety for the establishment of a nationwide public safety broadband network
- The Federal Communications Commission (FCC), Department of Commerce, and the National Telecommunications and Information Administration (NTIA) will create an advisory body called the First Responder Network Authority (FirstNet) to manage and oversee the network

Act Highlights to Establish a Nationwide Public Safety Broadband Network

- Reallocates the D-Block portion of radio spectrum to public safety;
- Funding for the network will be based on proceeds of future FCC auction(s) of other segments of available spectrum
- \$7 billion is designated from auction proceeds for build out of the network
- \$135 million is designated from auction proceeds for funding state planning grants
- NTIA has the ability to borrow \$2 billion prior to the auction
- If auction(s) proceeds exceed \$27.6 billion, \$115 million will be provided for Next Generation 9-1-1

State's Responsibilities

- Each Governor has statewide responsibility for the public safety broadband network implementation including state, county, city, and tribal public safety agencies supporting all first responders
- Each State must designate a state officer or governmental body for FirstNet to coordinate state, local and tribal assets, users, partnerships, funding, technical, and administration requirements.
 - California designated California Technology Agency, Director, Public Safety Communications Office
- Governors may choose to participate in construction of the nationwide broadband network through FirstNet or to seek a waiver to deploy their own interoperable network (opt in or opt out of the network)
- ***Current public safety voice radio communication systems must remain intact***

State's Role – First Steps

- Notification to Public Safety Entities Regarding State's Role
- Define Stakeholders
- Develop Statewide Governance Organization
- Develop Project Team (Project Manager, Subject Matter Experts, Resources)
- Develop Communication Plan
- Develop a Roadmap
 - Development of an Education & Awareness
 - Develop an Architecture Concept/Design
 - Infrastructure Survey/Requirements
 - Define Users & Stakeholder
 - Define Costs/Liability
 - Identify Public/Private Partnership Stakeholders
 - Partnering with Bordering and Western States

How will the Network be Funded

- Legislation Identified \$7 billion
- Leverage BayRICS/LA RICS Investments
- Potential Grants
- Public/Private Partnership
- Local/State/Tribal/Federal Commitments
- Ongoing Sustainability of Network
- Other Alternatives
- Many Unknowns

California's Readiness in Comparison to Other States

- Currently Situated to be an Early Adopter
 - BayRICS - \$50 million BTOP Grant Project
 - LA RICS - \$150 million BTOP Grant Project
- Most Public Safety Organizations currently utilize the public networks to access data necessary to perform their day to day duties

What We Don't Know

- FirstNet Board Governance Structure
 - Board Plan and priorities
 - Board will establish action items and timelines
- FirstNet must develop a Request for Proposal – currently unknown what the Request for Proposal will contain and when it will be complete
- Cost of the Network
- “We Don’t Know What We Don’t Know”

Challenges for California

- \$7 billion will not provide adequate funding for a nationwide public safety broadband network; therefore California will need to identify additional funding sources/alternatives
- State's current physical infrastructure (vaults/towers/fiber optic networks) is not adequate to support a public safety broadband network, especially in the rural and remote areas where minimal infrastructure exists
- Ensuring that the system meets the State's First Responder needs
- Managing Expectations
- Identification of the "Total Cost for Ownership" – what is the State's Investment?

What We are Keeping in the Forefront as We Begin the Planning Efforts

- Importance to have a holistic (broad) view of a Public Safety Broadband Communications Network
- How can we Leverage the Next Generation of 9-1-1 Planning and Infrastructure?
- How can we Leverage efforts to support an Emergency Notification System?
- How can we Leverage Convergence of Technologies?