



SAN FRANCISCO EMERGENCY MANAGEMENT SUMMIT 2014

PREPARING FOR FIRSTNET

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BAYRICS AUTHORITY

- 12-Member Joint Powers Authority established in August 2011

Alameda County
City of Oakland
Marin County
Santa Clara County
State of California
East Bay Hub Cities
(EBRCSA)

City/County of San Francisco
City of San Jose
Contra Costa County
San Mateo County
Sonoma County
South Bay Hub Cities



- ▶ Purpose: To ensure the interoperability of Bay Area public safety communications networks, including FirstNet.

WHAT IS FIRSTNET?

The first nationwide wireless *broadband* network for local public safety users

- What is *Broadband*?
 - High speed data communications in the field
 - Smart phone “apps,” photos, video and more
 - Not a replacement for LMR voice communications

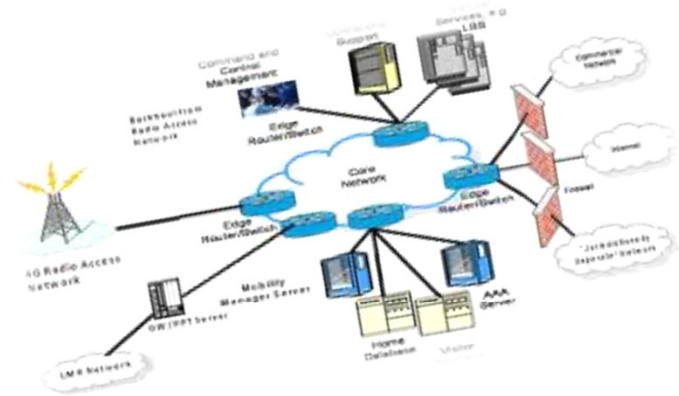


FIRSTNET CONSULTATION REQUIREMENTS

- FirstNet “shall take all actions necessary” to build and operate the nationwide public safety broadband network, “in consultation with Federal, State, tribal, and local public safety entities”
 - Construction of the network
 - Placement of towers
 - Coverage areas of the network
 - Security, reliability, and resiliency requirements
 - Selection of entities who may use the network
 - Assignment of priority to local users
 - Training needs of local users

FIRSTNET'S “TO DO” LIST

- Develop sustainable business model
- Develop nationwide core network plan
- Develop 56 individual state radio access network plans
- Conduct and award RFPs for services and equipment
- Establish mobile device standards and markets for public safety devices, smart phones and tablets
- Oversee network build-out and operations
- Outreach, education and training
- Timeline, project plan & cost: TBA
- **FirstNet will need help from state and local agencies!**



PREPARING FOR FIRSTNET

1. Do You Have Local Stakeholder Support?

- Key Decision-Makers
- Educate and Stay Informed

3. Have You Identified your Users?

- Law, Fire, EMS
- Other First Responders
- “Second” Responders

2. Local Governance Plan?

- Who can use
- Who has Priority
- Identity Management
- Billing
- User Support
- Training/Exercise



PREPARING FOR FIRSTNET



4. Identified Potential Sites and Assets?
 - Radio sites
 - Connectivity to PSAP/dispatch centers
 - Fiber optic cable or microwave facilities
 - Who controls these assets?
5. Are you Up to Speed on:
 - Design Specifications
 - Coverage/Capacity (mobile, portable, in-building)
 - Backhaul Design
 - Security
 - Cost
 - User Devices (mobile, handheld, tablets)
 - Current devices must be refreshed
 - Public Safety Applications

PUBLIC SAFETY APPS

- Streaming video/photos/in-field ID
- Large file transfer/download (floor plans, evacuation plans)
- Law enforcement tools (license plate reader, facial recognition, field fingerprinting)
- GIS/Mapping tools
- Database queries
- Field reporting
- Next Generation (NG) 9-1-1 texts, photos, data
- Non-Mission Critical Voice



FOR MORE INFORMATION

- First Responder Network Authority (FirstNet)
 - www.FirstNet.gov
- California First Responder Network (CalFRN)
 - California Office of Emergency Services (OES) FirstNet State Point of Contact (SPOC): Karen Wong
 - www.calema.ca.gov
- BayRICS:
 - www.BayRICS.net
 - info@BayRICS.net