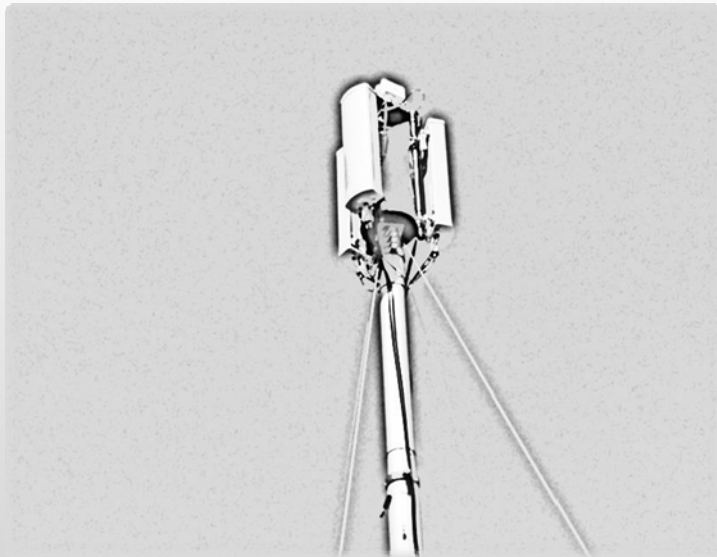# BayRICS Update for Bay Area UASI

Barry Fraser
General Manager
BayRICS Authority
July 14, 2016

FIRSTNET TIMELINE

⬇ Jan. 13, 2016	Final RFP Released
⬇ May 31, 2016	Proposals Due
⬇ Nov. 2016	**Contract Award**
⬇ Q2 2017	States Review Draft State Plans
⬇ Q3 2017	Synchronous Delivery of All Plans
⬇ Q4 2017	Governor's Opt-In Decision
⬇ Q1 2018	Network Deployment Begins
⬇ 2022	Network "Substantially Complete"

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FirstNet RFP Proposals

- Federal Procurement Rules restrict FirstNet's ability to publicly discuss topics such as the number of proposals and who submitted them during the evaluation phase.

- Proposals We Know About:
  1. **Rivada Mercury Group:** Includes Rivada Networks, Harris Communications, Nokia, Fujitsu Network Communications, Black & Veatch, Ericsson and Intel Security.
  2. **pdvWireless Group:** A private wireless push-to-talk (PTT) carrier led by former Nextel & Cyren Call Chairman **Morgan O'Brien.** O'Brien has declined to name the consortium members.
  3. Other entities, including AT&T, Inc. and possibly Verizon Communications, Inc. have declined to comment.

2016 STATE CONSULTATION

- ✓ Jan. 2016 – SPOC Engagement Meeting
- ✓ April 2016 – Governance Body Meeting
- ➢ June-Aug. 2016 – State "Consultation Task Teams" (CTT) Gather Technical Information
- ➢ Aug. 3, 2016 -- Next CalFRN Meeting,
- ➢ Oct.-Dec. 2016 – State Executive Meetings
- ➢ Oct.-Dec. 2016 – "Metro" Area Consultation

Metro Area Consultation

Unique Metropolitan Considerations — FirstNet
- Mature build-out of commercial LTE
- More complex applications / public safety systems
- Larger operating budgets (generally)
- Dense building environment
- Light rail / underground structures
- Daily / seasonal population shifts
- High density of public users
- Large-scale planned events
- Significant high tech presence

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Governor's Opt Out Decision

Governor's Decision: Timeline — FirstNet

Governors' State Plan Review | Begin RAN Deployment | Ongoing Implementation & Improvement

Nationwide Public Safety Broadband Network

Opt-Out

OPT-OUT

Governor Sends Opt-Out Notification

180 Days — State RFP & Alternative Plan Development — RFP: State RAN

Unknown ?

State RAN Implementation begins

- ✓ FCC Review Period
- ✓ NTIA RAN Construction Funding Grant
- ✓ NTIA Spectrum Lease Application
- ✓ FirstNet Spectrum Lease Negotiation
- ✓ NEPA Environmental Compliance

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BayRICS P25 Operators Advisory Group

- Updates to Regional Fleetmap

- Pilot Encryption for Interop Talk Groups

- Expand Regional Fleetmap to include State and Federal Partners

- Host Monthly P25 Operators Open Forum

- Interop Radio Tests, Round Two – 2016 Urban Shield Yellow Command

Status of BayLoop

- BayLoop Remains Underutilized – Potential Future Uses have been Identified

- From 2012-2015, BayRICS Managed BayLoop Maintenance and Network Monitoring – ~$220,000/year (plus significant staff resources)

- To Complete the System, Additional Networking Equipment is Needed (~$200,000 for first phase—three sites)
  - Point-to-point connectivity for high-sped data communications between Counties is currently available

Status of BayLoop

- BayRICS Restructuring in 2015 – Decision to Discontinue BayLoop Maintenance and Monitoring

- BayRICS Staff, BayLoop Stakeholders and UASI have Worked to Develop a Path Forward for BayLoop

- Individual Counties have Specific Maintenance Needs and are Developing Potential Uses for the System