

# Bay Area UASI

## BayLoop Update

*Approval Authority Meeting*

*Agenda Item 8*

*August 11, 2016*





# Background

- Digital microwave network designed to serve as a transport system for voice and data traffic.
- Hardware and facilities in eight Bay Area counties.
  - Phase 1 completed in 2006
  - Phase 2 completed in 2011
- Equipment originally purchased by the UASI and transferred to local ownership.

# BayLoop



BAY AREA UASI PROGRAM

marin sonoma napa solano contra costa alameda santa clara santa cruz san mateo san francisco | san jose oakland



# Challenges

- Underutilization
- High Maintenance and Monitoring (M&M) Cost (*~\$220,000/year*)
  - From 2012-2015, funded by UASI and managed through BayRICS
- Legacy equipment nearing “end of useful life”



# Current Status

- BayRICS JPA Board of Directors decision to discontinue BayLoop Maintenance and Monitoring
  - Returns to a local responsibility (as it was pre-2012)
- Point-to-Point connection continues to be supported today



# Current Use Cases

- **Point-to-Point Connections:**

- **Marin County:** Used as backhaul between County radio sites.
- **San Francisco:** Limited use for backhaul between the City and County of San Francisco and San Francisco International Airport (SFO).
- **San Mateo County:** Limited backhaul use.



# Options for Future Use

- **Alameda County ↔ Santa Clara County:**  
Backhaul and linking dispatch centers?
- **Solano County ↔ Contra Costa County:**  
Similar microwave system nearing end of life, replace with existing BayLoop equipment?
- **Bay Area ↔ Sacramento:**  
Existing spur connects Sacramento to Bay Area. Data sharing? Redundancy?

**Existing BayRICS groups can be leveraged to coordinate and govern these relationships.**