



# UTAH COMMUNICATIONS AUTHORITY

## KEEPING PUBLIC SAFETY CONNECTED

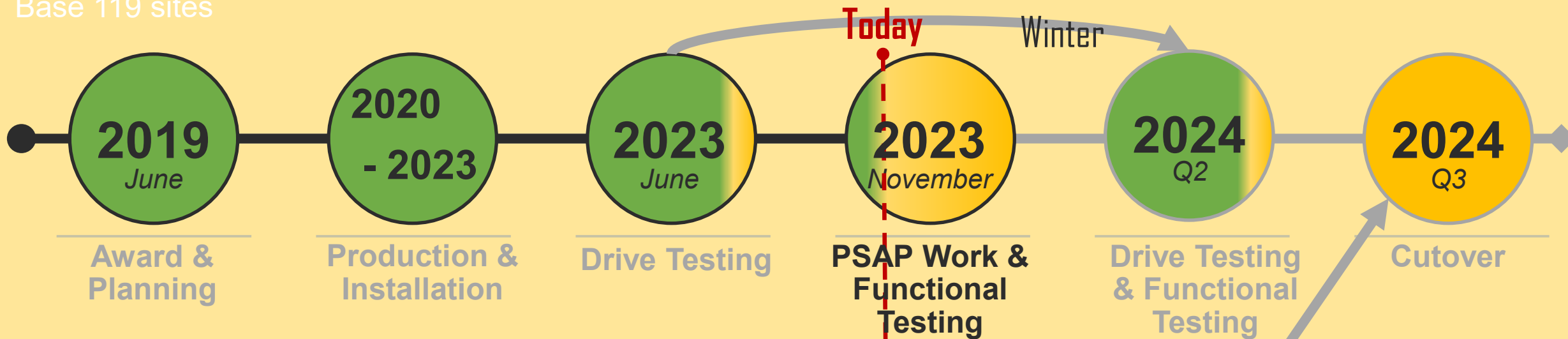
P25 Project Update – Schedule Details

November 8, 2023



# P25 Update - Overall Progress

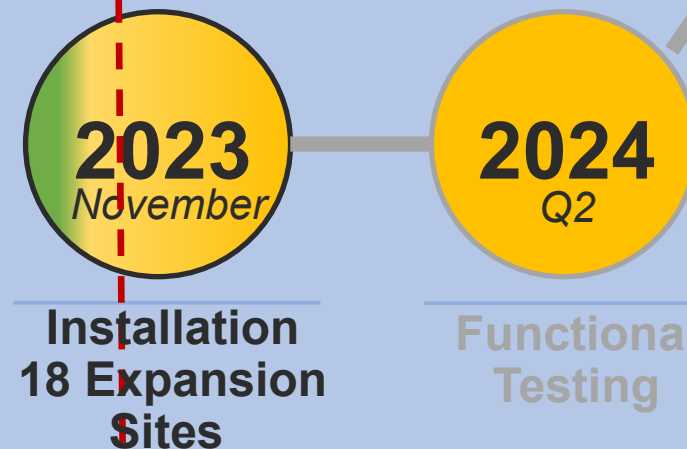
Base 119 sites



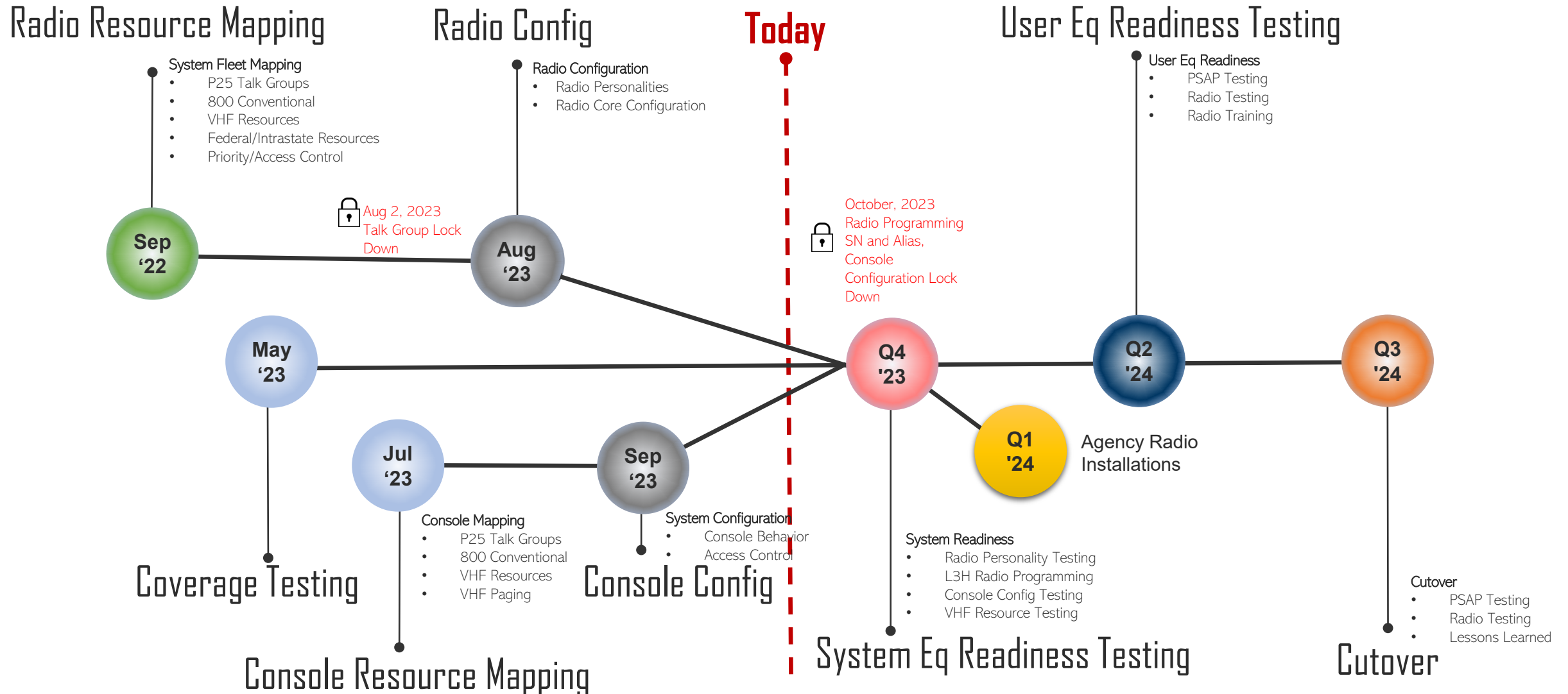
## Current Focus

- Punch List Items For Base 119 sites
- Legacy Resource Tie In At PSAPs
- Console Configuration
- Radio Personality and Programming
- Installation of 18 Expansion Sites

18 Expansion Sites

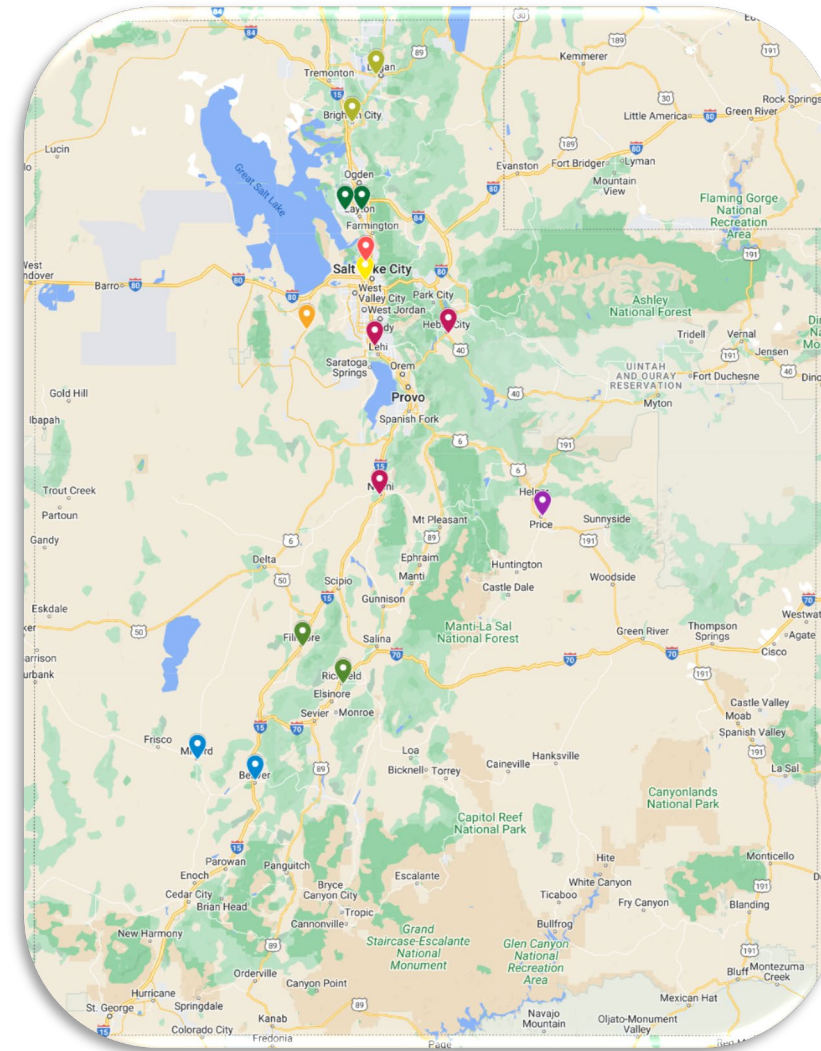


# P25 Cutover High-Level Plan



# Cutover Migration Plan

County	Cutover Sequence	PSAP
Kane	1	Kane County
Garfield	2	Garfield County
Sevier	3	DPS-Richfield
Piute	4	
Wayne	5	
San Juan	6	DPS-Price
Carbon	7	
Emery	8	Emery County
Grand	9	Grand County So
Washington	10	St. George 911
Iron	11	DPS-Cedar
Beaver	12	Beaver County
Millard	13	Millard County
Sanpete	14	Sanpete County
Uintah	15	DPS-Vernal
Duchesne	16	
Dagget	17	
Summit	18	Summit County
Wasatch	19	Wasatch County
Tooele	20	Tooele County
Juab	21	CU911/Metro/Springville
Utah County	22	e
Box Elder	23	DPS-Box Elder
Cache	24	Logan PD
Rich	25	Rich County
Weber/Morgan	26	Weber Area 911
Davis	27	Davis/Layton/Bountiful



# Immediate Needs

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- Send Motorola Radio Serial Numbers and Aliases
  - Upcoming Lock Down of Radio Serial Numbers, Aliases and Console Configurations
- L3H Radios Programmed (UCA)
- Mobile Radio Installations (Agency)
- Additional Locations For Programming (Agency)
- Validate Backup Radio Plans (Agency/UCA)
- BeOn Phone/Laptop Licenses (Agencies)
  - Count



# Prior to Cutover

- L3H Radio Programming (UCA)
- Mobile Radio Installation Completion by agencies
- Validate 800MHz to P25 primary channel mappings for cutover week
- Agencies complete L3H End User Radio Training Computer Based Training Module
- Tune and Flash Upgrade Motorola Radios (Agency)
  - Ideally: Phase II, Link Layer Authentication
- User Readiness Testing (UCA, L3H, 911 Phone Sys)
  - Console Testing of P25, VHF, 800 Conventional
    - \*\*Dispatch Participation\*\*
  - Test P25 Radios/Personalities
    - \*\*Law Enforcement/Fire/EMS Participation\*\*
  - Test VHF Audio
    - \*\*Short Outages as we temporarily cut each channel over then swap it back\*\*
  - Test VHF Paging Resources
    - \*\*Law Enforcement/Fire/EMS Participation\*\*
  - Radio Arbitration Testing



# Backup

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# PTT Over Broadband LTE and Wi-Fi

## Virtual P25 Radio Application

- VoIP based; PTT over LTE & Wi-Fi
- L3H XL platform (Optional Add On)
- Available on Android™, Windows® PC, and iOS™ platforms
- Reduces traffic loading on system
- Supports geographic mapping and utilizes Google® Mapping data

## Coverage Enhancement

- Extends coverage outside the traditional LMR footprint
- Economical supplemental coverage  
WiFi in place of BDA's
- PTT encrypted comms between smartphones and XL radios

## P25 Based Comms

- End to end AES encryption
- Woven into L3Harris system architecture
- IP encapsulated packets
- No reoccurring monthly fees

