



# 800 MHz Users Meeting

September 15th, 2022





# LID Status Update & Radio Counts

Agenda item #5



# LID Status

- Remaining LIDS: 35
  - UNR
    - Issued 2 LIDS to DRI
  - Pending requests
    - TMFPD (15) – Auditing existing LIDS
    - WCSO (26) – Auditing existing LIDS
    - WC alternative Sentencing (2)
    - WCSD (4)- Auditing existing LIDS
  - Issuance of LIDs will be looked at **case by case** and prioritized accordingly. Please allow for a few weeks to get back to all requests.
  - REQUEST for ALL agencies to free up LIDS\*\* Please contact us for a list of active LIDS for your agency to conduct your own internal Audit.





# Option to free up LIDS

Does your agency have users that spend most of the time at their Desk?

Does your agency have NON-PUBLIC SAFETY users that spend most of their day in cellular/WiFi/LTE covered Areas?

## **BeON<sup>®</sup> MOBILE APPLICATION**

Public safety, defense, federal and commercial agencies rely on Land Mobile Radio Push-to-Talk (PTT) capabilities as a primary means for transmitting secure, mission-critical voice communications.

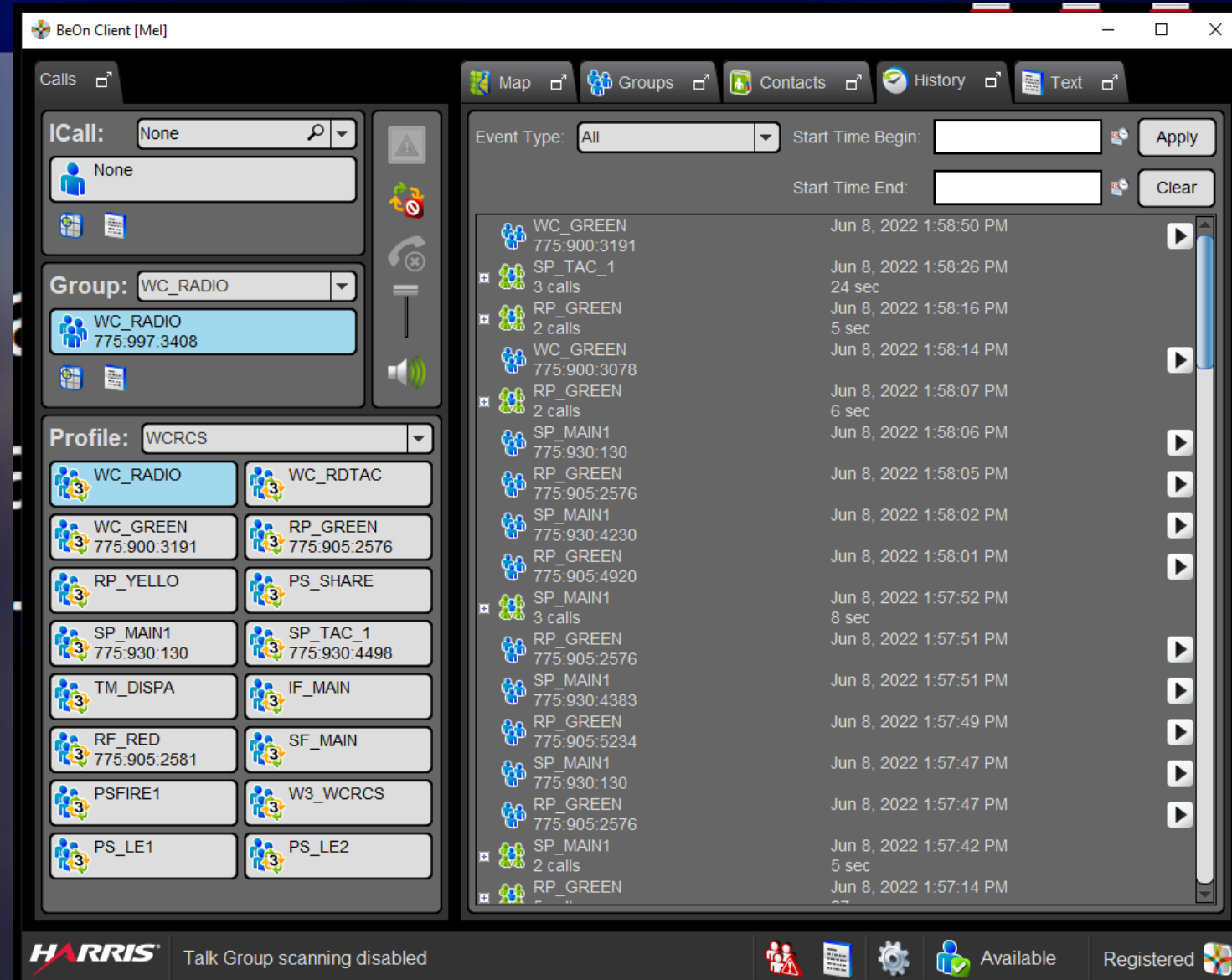
BeOn extends the capabilities of an LMR network to smartphones, tablets and PCs—providing secure PTT communications far beyond the boundaries of regional radio systems, and opening up affordable PTT communications to new user groups.





# Option to free up LIDs

- Uses P25 UID
- Can be installed on Phone/Tablet/PC
  - Windows device or computer, Cellular device Android and iPhone.
- Works anywhere you have good cellular coverage, or WiFi (internet)
- Plays back missed radio conversations
- BeON Application half the cost of Radio LID for System costs (System buy on costs).





# Radio Counts

- Reminder our L3Harris Sales Representative is Claire Pender.



- Thank you all for your purchases!
- 2,738 radios ordered out of 5,097 contractual commitment of the P25 Radios
  - We have reached 54% of our contractual obligation
  - Reminder – Harris to be onsite for installation Dec 2022- Feb 2024
    - EVERY Radio in our system requires the One-Touch “ Make ready” for new system
    - Mobile Installations (Don’t forget your warranty is on hold until the device goes into service- only if you notify Claire and pre-arrange) .
    - Please have radios purchased prior to these events to be ready for the System cut-over.





# System Status Update

Agenda Item #6





# System Status Update- Microwave

- Planned Outages
  - Microwave Installation:
    - Spectrum- Edison: On Tuesday, August 23rd, WCRCS in conjunction with MasTec, Nokia and L3Harris Cut-over new microwave equipment between our Network Operation Center (NOC) at Spectrum to our Communications Office at Edison Way. The first cut over was extended by two hours to accommodate low level design changes made in the field. It was suppose to be a NO OUTAGE event but ended up taking down All Washoe County Consoles, between the PSAPs (Public Safety Answering Points), and other entities that had Symphony consoles. It was the first of many activities that will begin our P25 Radio Upgrade.
    - Ophir- Spectrum- On Wednesday, August 24th, The teams tested the links between Ophir and Spectrum. This particular Link is a new microwave service link that will provide connection to our new OPHIR communication site. As part of the P25 Upgrade, WCRCS is adding new sites to help with areas with poor Radio Coverage. Ophir Communications site seeks to add coverage into Virginia City, South Reno, Washoe Valley, Interstate 580 heading towards Carson City. While teams are working to fix the issues from the Low Level design, teams continue to focus on ensuring outages are not service impacting.





System Status Update-  
Core Upgrade

WCRCS &  
L3Harris  
conducted an  
Upgrade to the  
System Core to  
SR10A.7







# System Status Update- Microwave

- Slide – Ophir: Microwave Installation occurred without an outage window because this is a new link.
- Slide – Mt. Rose: On September 8, Mastec continued the microwave installation from Slide to Mt Rose. RFC Testing and Radio Alignment fell late into the evening before we had to halt activities to call a safety stop, and order for outage activities to complete on September 9<sup>th</sup>. L3Harris and WCRCS worked on a timing solution that continue to supply timing to the EDACS equipment, in order to restore Public Safety Radio Traffic to these links. Pressure line still needs to be installed at Mt Rose, and wasn't completed due to part Shortages.







# System Status Update

- Planned Outages

- Microwave Remaining Installations:

• Incline - Snow Flake	7 hour <b>OUTAGE Expected**</b>	<b>Tahoe Region</b>
• Poito – Fox	No OUTAGE Expected**	
• Fox- Virginia	1 hour <b>OUTAGE Expected**</b>	<b>Gerlach/Pyramid Lake</b>
• Virginia Peak – Peavine Springs, Spanish Springs, RSIC,	1 hour <b>OUTAGE Expected**</b>	<b>Reno/Sparks/Pyramid/Cold</b>
• Peavine -Spark's Dispatch	1 hour <b>OUTAGE Expected**</b>	<b>Sparks Dispatch</b>
• Peavine – Cold Springs	No outage Expected	

- Updates

- SUMS- Software updates conducted monthly

- Unplanned



# Cold Springs Installation

- Construction Kick-off held on August 25<sup>th</sup>, 2022
  - Site staked out for grading work, and pre-construction activities.
- Building Permit Approved for Cold Springs on September 7<sup>th</sup>, 2022.
  - Grading & staking work started
  - Trenches dug and Cad welds for Site grounding ring
  - Tower Foundation framing started
- WCRCS conducted site visit to inspect work Progress on 13 September. ITL provided and excellent safety brief and demonstrated ground grid Cad welding.







# Radio Shop Move Almost Complete!

- Radio Shop should be finished with move to 224 Edison by Middle October.
- New Space is the old Records Office next to the WCRCs office.







# WCRCs Infrastructure Maintenance & replacement Update

Agenda Item #7





# Maintenance

- DC battery banks & rectifier testing
  - Slide DC Rectifier and Battery Set
  - Waiting on Delivery of 4 DC Rectifier and Battery Banks
- HVAC inspection & repair
  - NTR
- Dehydrator/Waveguide pressure testing
  - Ophir- Spectrum, Ophir to Slide, Edison-Spectrum, and Mt Rose to Slide L3Harris to resolve.
  - NTR on WCRCS side
- Generator inspections and repair
  - Waiting on Slide generator to replace (Sept).
  - Marble to be replaced during CMAR process.





# Maintenance

- Tower inspections & Remote Alarms
  - NTR (Nothing to Report)
- Radio maintenance & alignments
  - NTR
- Security cameras maintenance and installation
  - NTR
- Interference
  - DMV @ Double Diamond BDA caused WC Metro various interference issues, site repaired.
  - BDA registration and mapping procedures are being created within WCRCS







# In-Building Coverage Infrastructure Replacement

Agenda Item # 8





# In-Building Coverage

- Washoe County to stand up a Website
  - Website will share In-Building Coverage responsibility Flow Chart
  - Also to provide a County Registration process or at minimum a contact for GIS Mapping of all BDA, & DAS systems
- FCC requirement:
  - [FCC Signal Booster Registration - Part 90 Class B Signal Booster Registration & Discovery](#)

## In-Building Coverage: Registering you BDA's

As we upgrade the public safety radio system, all in-building repeater systems, bi-directional amplifiers, and signal amplifiers will need to be inspected, and tested by the Washoe County Regional Communications System (WCRCS) team. WCRCS wants to verify that the equipment meets the minimum requirements to connect to the regional radio system. All BDA's and amplifiers will also be required to be registered within the county and registered with the FCC. To find out more about how this affects your certificate of occupancy (COO), click here.

[In-Building Coverage Page](#)

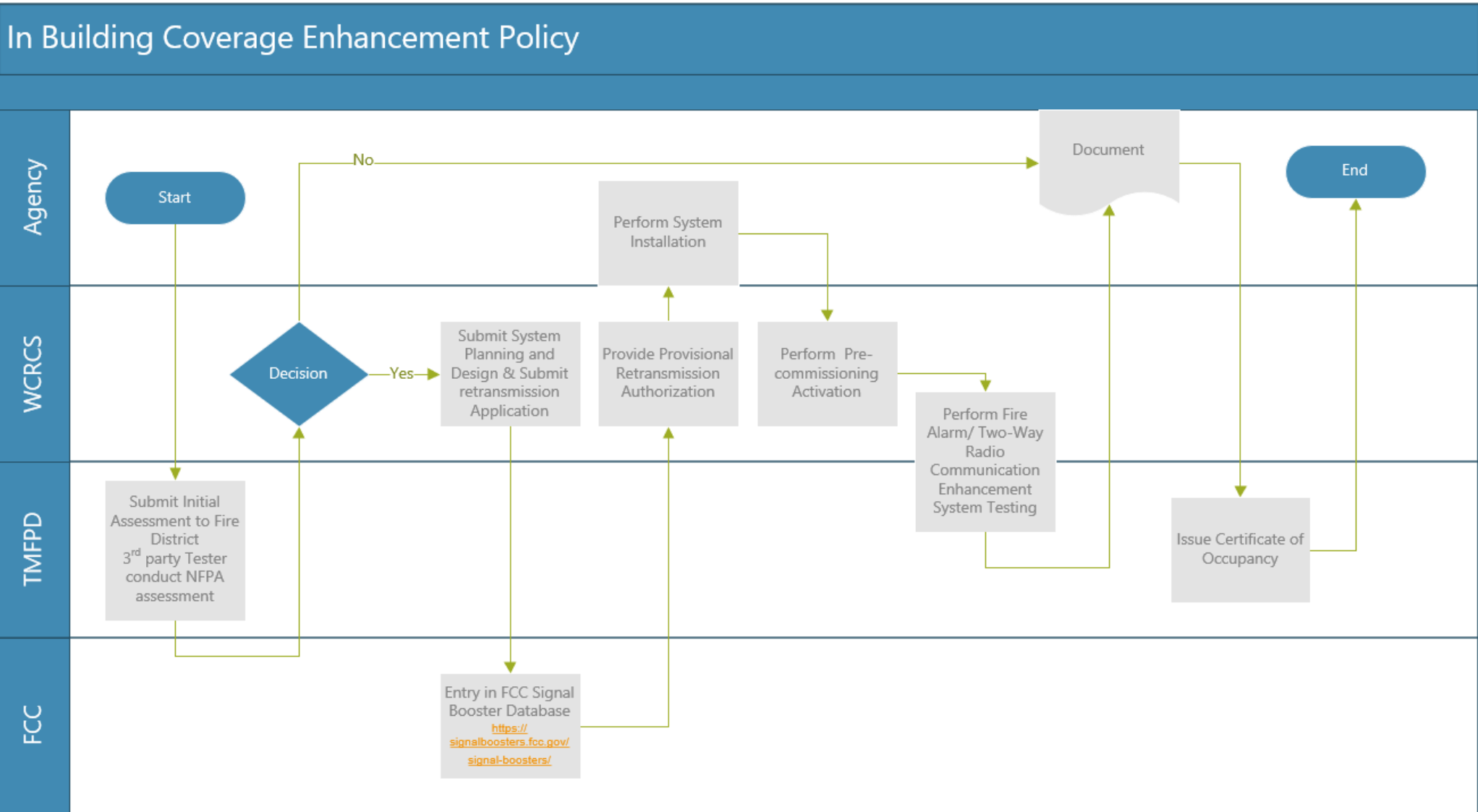


Anderson





# In-Building Coverage Responsibility Flow Chart





# Questions?

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