



800 MHz Users Meeting

December 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) – Audited existing LIDS- ready to reuse discovered 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.



Radio Counts

- Reminder our L3Harris Sales Representative is Claire Pender.



Pender, Claire (US) - PSPC
01031 (PSPC)
NV Account Mgmt
CS/MR33019 (SouthWest Sales)
(775) 233-8362 Mobile
claire.pender@L3Harris.com
240 South Rock BLVD /Suite 137
Reno, NV 89502 / USA
claire.pender@L3T.com IM

- Thank you all for your purchases!
- 2,893 radios ordered out of 5,097 contractual commitment of the P25 Radios
 - We have reached 56.8% of our contractual obligation
 - Reminder – Harris to be onsite for installation Spring 2023.
 - EVERY Radio in our system requires the One-Touch “ Make ready” for new system



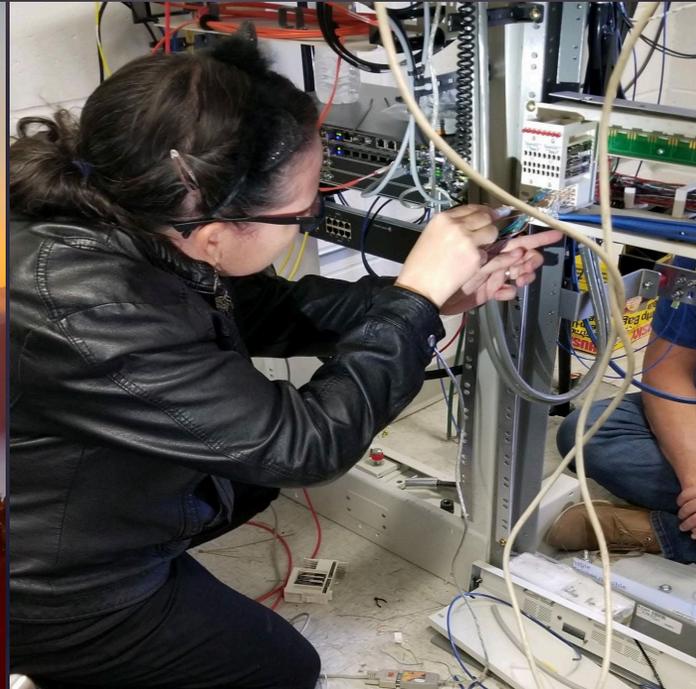
System Status Update

Agenda Item #6



System Status Update- Microwave

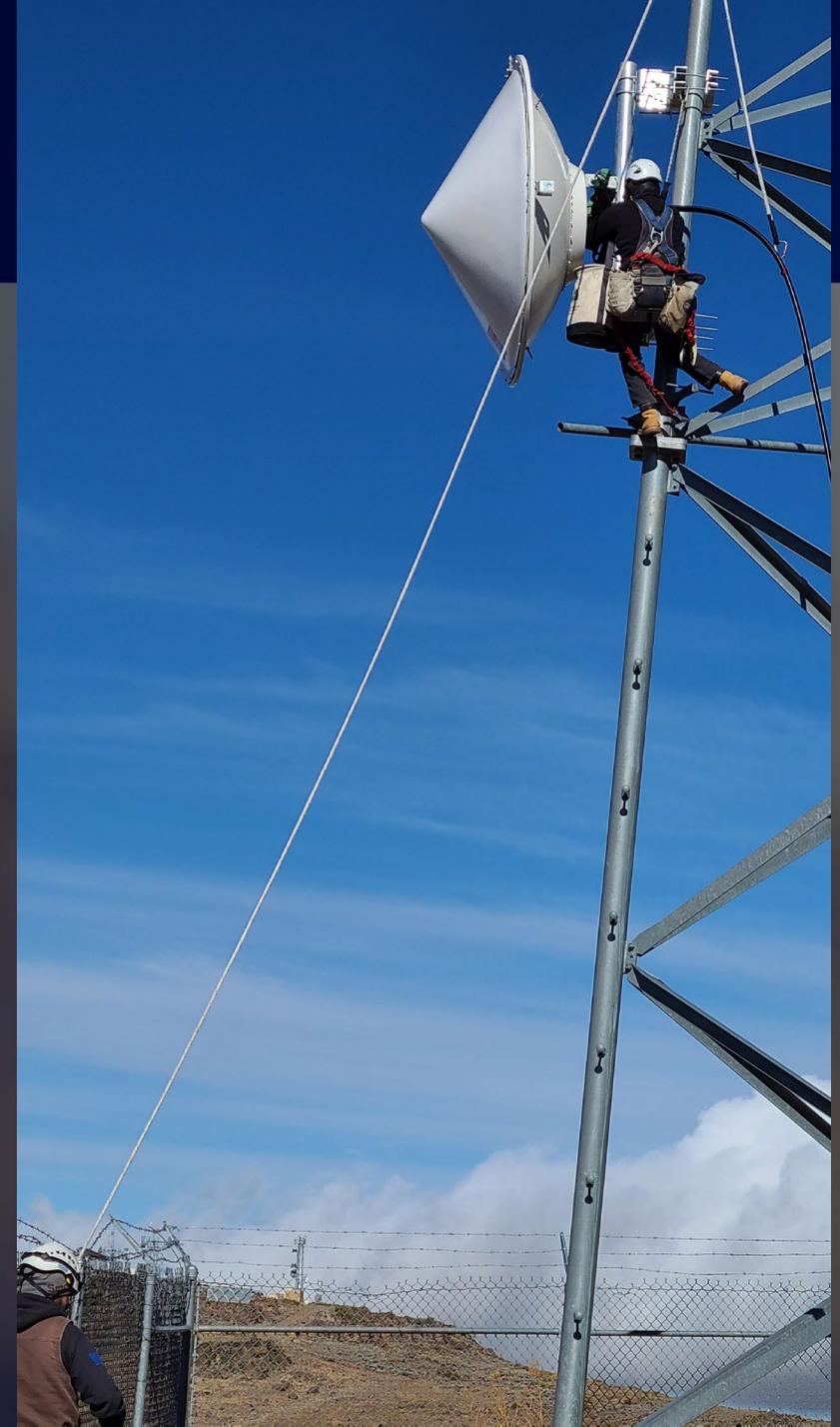
- **Incline to Snowflake- October 12th, 2022-** 14 Hour outage- resulting in troubleshooting of the T1 circuits that support the EDACS. Some hiccups resulted in extended outage, and communication was lacking. Many lessons learned that helped for next installation.
 - 24 Hours after installation an outage occurred; resulting in some reconfiguration of routers.*
- **Virginia Peak to Peavine- October 26th, 2022-** smoothest installation, everything happened in good order and services restored the quickest.





System Status Update

- Microwave Update
 - Incline to Snowflake completed
 - Virginia Peak – Peavine completed
- Planned Outages
 - Microwave Remaining Installations:
 - Poito – Fox Pushed to Next Summer 2023
 - Fox- Virginia Pushed to Next Summer 2023
 - Peavine -Spark's Dispatch Pushed to Next Summer 2023
 - Peavine – Cold Springs Pushed to Next Summer 2023
- Updates
 - SUMS- Software updates conducted monthly
- Unplanned Outages
 - Chimney Peak
 - 3-day NVE outage
 - Improve Communication Plan 2023





Cold Springs Installation

- Cold Springs site has been built.
 - Construction Kick-off August 25th, 2022
 - Building Permit Approved September 7th, 2022.
 - Tower Stacked October 14th, 2022
 - Shelter installed October 20th, 2022
- Awaiting NV Energy Power Pole installation





Marble Bluff Installation

- New COW Installed November 8th – 10th ,2022
 - In a snow storm
- Tower being disassembled December 5th -16th , 2022





Radio Shop Move Complete!

- Radio is open in a new Location @ 224 Edison Way.
 - Door 4 is where all Mobile Radio Shop need to go
 - Door 1 is WCRCs area for work vehicles- you can physically enter but do not block that driveway, do not bring you vehicle there.
- Radio Shop Phone number is (775) 858-5964
 - Don Thornberry 858-5963
 - Dan Foster 858-5962
- Please call when you arrive.





WCRCs Infrastructure Maintenance & replacement Update

Agenda Item #7



Maintenance

- DC battery banks & rectifier testing
 - Alpha Cordex Rectifier Arrived!
 - x4 DC Rectifier and Battery Banks
 - Maintenance to be scheduled after Winter weather
- HVAC inspection & repair
 - NTR
- Dehydrator/Waveguide pressure testing
 - Ophir- Spectrum, Ophir to Slide, Edison- Spectrum, and Mt Rose to Slide L3Harris resolved.
 - NTR on WCRCS side
- Generator inspections and repair
 - Waiting on Slide generator to be replaced.
 - Marble to be replaced during CMAR process.





Maintenance

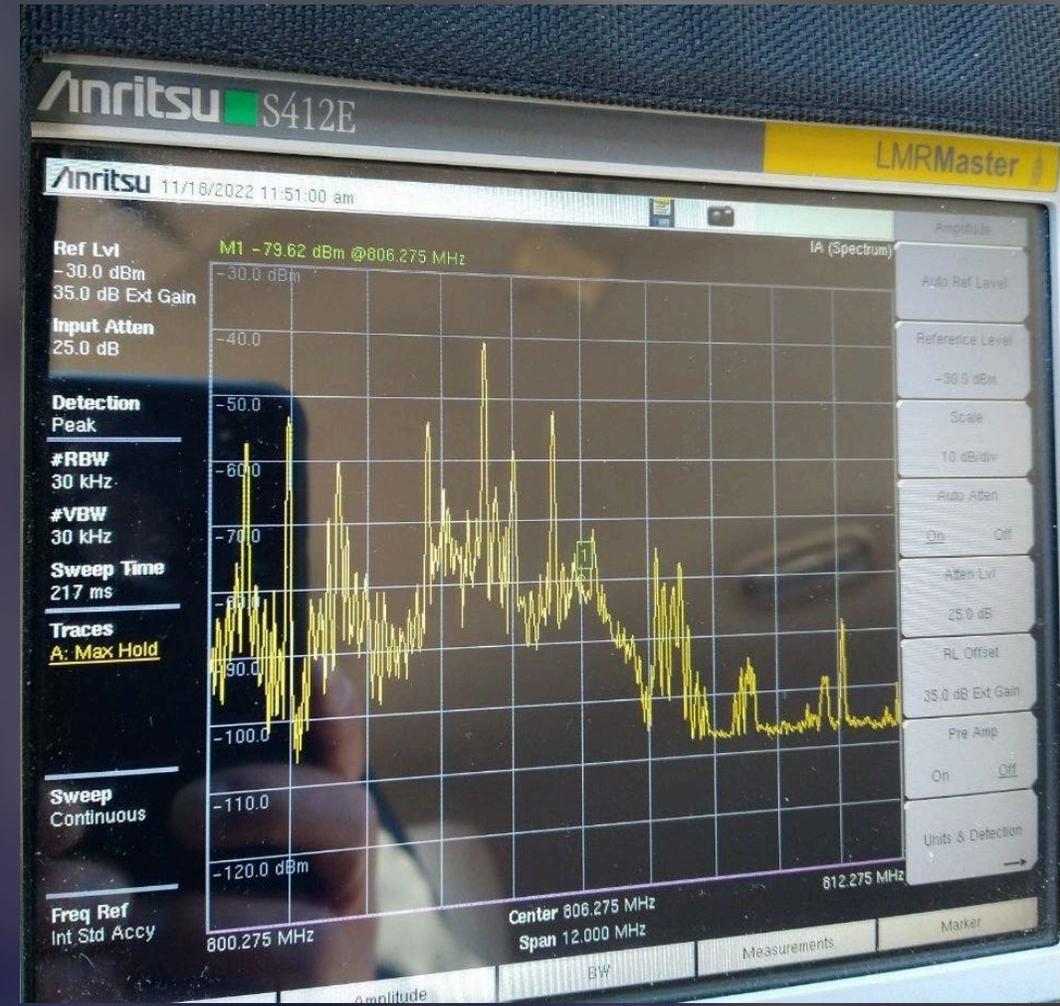
- Tower inspections & Remote Alarms
 - Marble Bluff Tower has been removed! Teams getting ready to work on Foundations for new Tower and new Building.
 - Remote alarming needs to be updated in TSM for all new Nokia Microwave System
- Radio maintenance & alignments
 - Red Peak and Peavine Simulcast Alignments
- 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





Maintenance

- Interference
 - Hired RF Engineer to assist in all efforts
 - Hired Tower Crew for Antenna Investigation
 - Hire Pericle Communications to assist in finding the interference
 - 35 BDA's visited
 - 13 of BDA's Turned off
 - 12 of BDA's Fixed
 - 1 awaiting re-certification (FCC- Involved)*
 - Following BDA were adding to the noise:
 - Jail (Fixed) Washoe County*
 - Jan Evan Juvenile Facility (Fixed) Washoe County*
 - Mendive (Fixed & needs to be certified) WCS D
 - Bohach (Been sent back to the manufacturer- completely broke) WCS D
 - Sky Ranch (Fixed) WCS D
 - Galena (Needs repair and certification) WCS D
 - HUG (Fixed) WCS D
 - Reid (Fixed) WCS D
 - South Reno DMA (DEM Customer- NDOT)
 - Mustang Lane (Commercial Building)
 - McQueen (Fixed) WCS D





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](#)





In-Building Coverage Discussion

- Interference Map
 - <https://washoe.maps.arcgis.com/apps/webappviewer/index.html?id=fa21cc60f115467e9462443d09f34d8c>
- Interference Application
 - In development
- BDA Registration Website (Mapping)
 - [Regional Services Dashboard \(washoecounty.us\)](https://washoecounty.us/RegionalServicesDashboard)
- Create County and City Policies (Eventually State Policy)
- Implement a process that falls in line with permitting
 - Meetings to start in December 2022
- Investigating membership in Safer Building Coalition



Safer Building Coalition

• SBC Objectives:

- Foster a robust, scalable, and competent industry sufficient to rapidly eliminate wireless dead zones inside buildings
- Combat Wireless Noise and Interference caused by improperly deployed ERCES solutions
- Develop and promote codes and standards that are technically rational and commercially feasible
- Represent the interests of SBC Members and stakeholders Educate and advocate for consistent interpretation and enforcement of these codes and standards across all jurisdictions
- Work on issues of Federal, State, and Local legislation and regulations pertaining to in-building public safety communications.

Membership (saferbuildings.org)

3 Pillars of In-Building Public Safety Communications:

- 01** Mobile 911 Calls Must Get Out with Location Accuracy
- 02** Mobile Mass Notifications Must Reach Building Occupants
- 03** First Responder Communications Must Work

www.saferbuildings.org

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Questions?

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