



Washoe County Regional Communication System

P25 Technical Advisory Committee,
20 June 2024

- Agenda

- Call to Order
- Instructions for Public Comment
- Public Comment
- Approval of Meeting Minutes
- Nevada Shared Radio System Update
- In-Building Coverage Update
- Multifactor Authentication
- Alternative Funding for P25 System: Site Construction
- Announcements
- Public Comment
- Adjournment

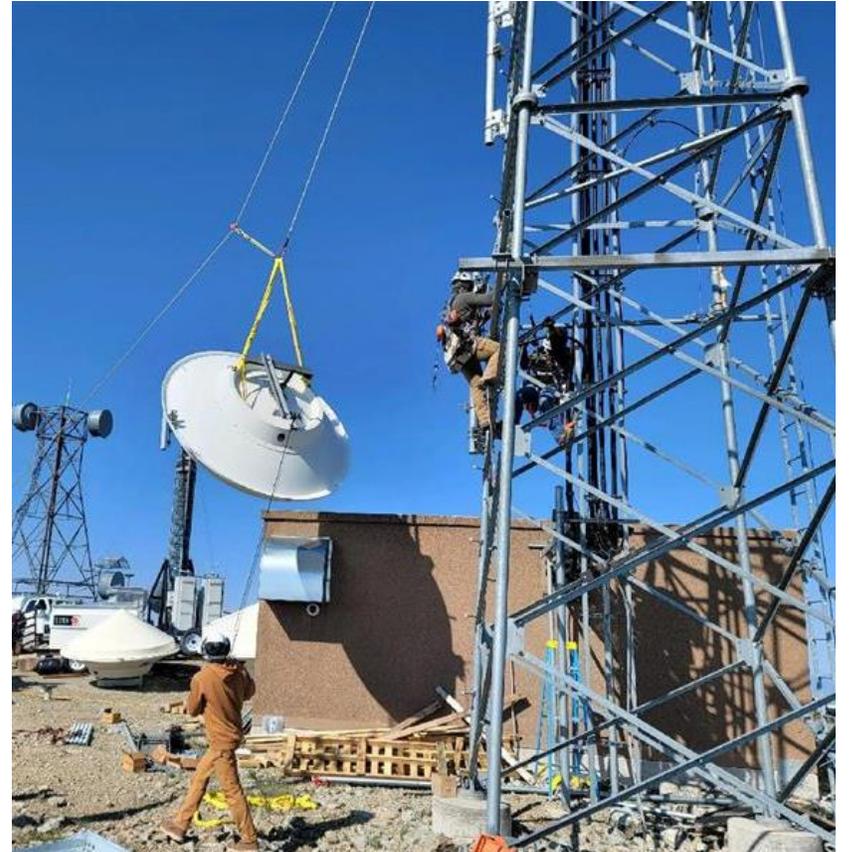


Nevada Shared Radio System Update for Region 2

- **Incline Sheriff's Office & Biltmore**
 - Permit approved by TRPA
 - RX3 Construction started June 3rd, and will complete June 21st.
 - NVE Power addition to Incline Sheriff's and Communication H-frame Hook up for Site on Wheels
 - Biltmore Cabinet to be installed on Watertank APN
 - Foundation installed and Cabinet to be installed June 20th
 - Wave guide correction work to be completed September 9th, 2024
 - Microwave work expected to begin September 2024
- **Red Peak**
 - Lease agreement approved by BCC
 - Lease agreement effective in FY 25, Expected Notice to proceed to be issued July 1, 2024
 - Permitting expected to take 6 weeks.
 - Construction to begin Mid August

Nevada Shared Radio System Update

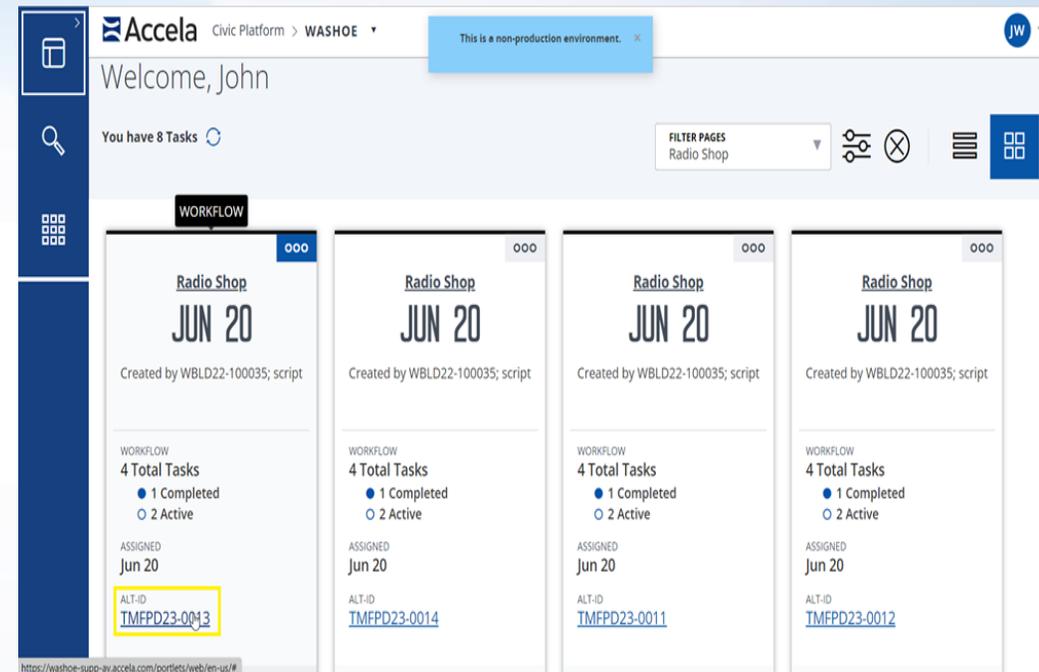
- **Marble Bluff**
 - Awaiting approval from Tribe to move forward with signing NVE Right of Way agreement.
 - 2 weeks remaining on construction work.
 - P25 Antenna installation to occur by September 2024
- **Microwave Deployment (Outages will stay on Wednesdays)**
 - Snowflake ↔ Biltmore September 16th through September 18th
 - Biltmore ↔ Slide September 23rd through 25th
 - Marble ↔ Poito September 30th through October 2nd
 - Poito ↔ Fox October 7th through October 9th
 - Red Peak ↔ Spectrum October 15 through October 16th
 - Red Peak ↔ Virginia October 22 through October 23rd





In-Building Coverage Update

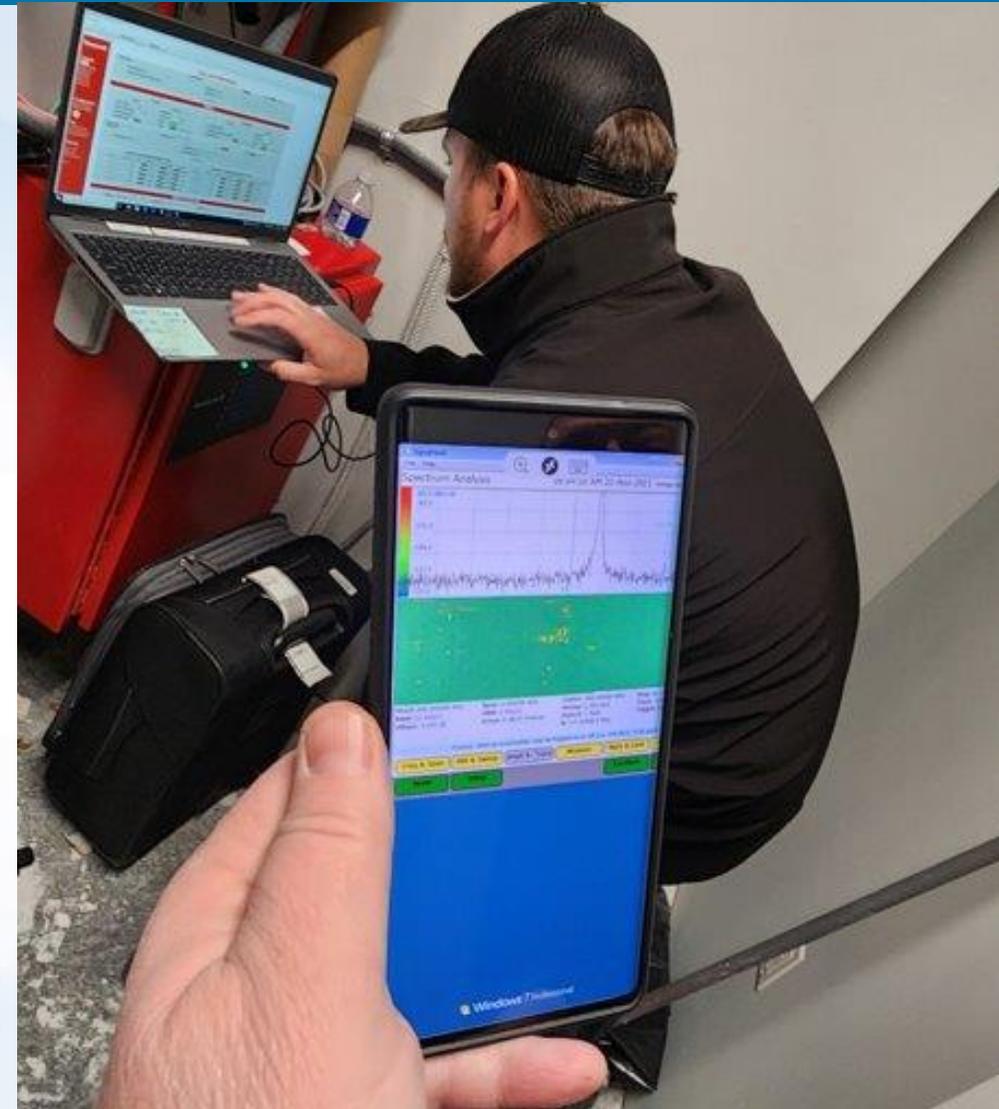
- WCRCS teamed up with WC Tech Services to Create a process within ACCELA that would create a workflow for Radio Shop within the permitting process.
 - <https://aca-prod.accela.com/ONE/Welcome.aspx?culture=en-US>
- WCRCS is currently gathering information on charging a Fee for ERRCS plan review and inspections. Looking to model off the current process for building permits:
 - Three jurisdictions all different fee structures: City of Reno Fire, City of Sparks Fire, and Truckee Meadows Fire Protection district

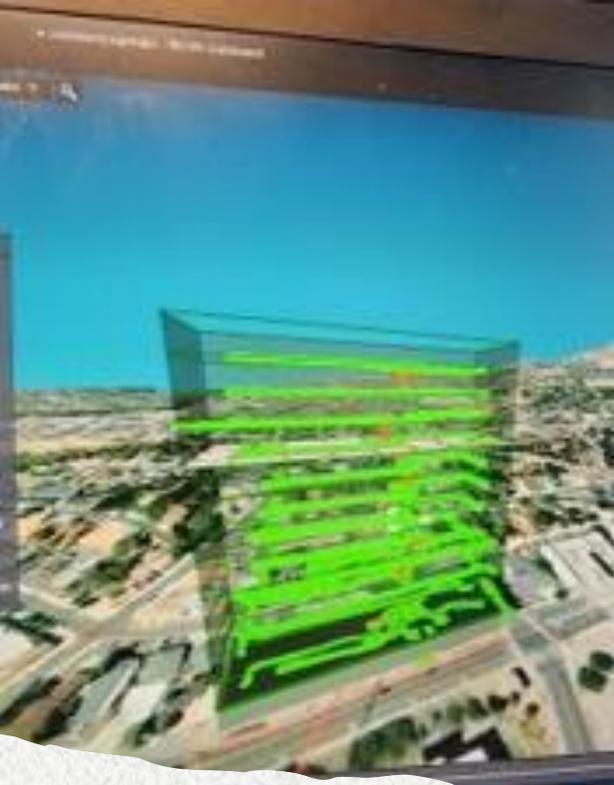


In-Building Coverage Update



- WCRCS conducts various testing for BDA inspecting including checking RSSI within the Facility.
- Verifying the BDA doesn't add to the noise floor of existing sites (as shown in picture).
- Testing the Donor Antenna Isolation.
- Verifying that Radio communications works throughout the building.





In-Building Coverage Update

In-Building Coverage Update



- Fire Teams throughout Northern Nevada have been meeting to review IFC 510 Codes for 2024, to adopt a standard.
- Within this revision of IFC; The 510 Code acknowledges NFPA 1225, as the standard for Emergency Responders Radio Communication Systems (ERRCS)
- WCRCS has been working with Fire teams to adopt the new code standards, and will be implementing IFC 510 2024, & NFPA 1225 for all in building systems.
 - Current test plans reflect these codes.
 - This code supports the health and safety of Public Safety Radio systems.
 - As the code gets officially adopted in each region, accelera permitting will also reflect the adopted codes.



Multi-Factor Authentication

- **Cyber Incident occurred April 2024 UPDATE**
 - **Brute Force attack was conducted against our firewalls to the new P25 System.**
 - **The firewall did their job and locked everything down.**
 - **WCRCS installed the recommended remediation issued by L3Harris: Multi-factor Authentication (One Identity Defender for VIDA Networks)**

Defender

Two-factor authentication made easy with Enterprise 2FA

Our Enterprise 2FA solution, Defender, enhances security by requiring two-factor authentication to gain access to your network resources. Defender uses your current identity store within Microsoft Active Directory (AD) to enable two-factor authentication. It takes advantage of AD's inherent scalability and security to eliminate the time and expense involved with setting up and maintaining proprietary databases. Defender's web-based administration, user self-registration and ZeroIMPACT migration capabilities ease implementation for administrators and users. Plus, Defender hardware tokens utilize their full battery life and provide software tokens that never expire.

[Download Free Trial](#)

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Multi-Factor Authentication



• WHY utilize MFA?

- It prevents threat actors from gaining the initial foothold into your accounts by asking them to provide an additional piece of evidence first.
- It adds an additional layer of security, making it harder for bad guys to log in as if they were you.
- It requires users to provide multiple identity proofs and credentials before accessing their respective accounts, preventing hackers from misusing stolen passwords or user devices.
- It complies with multiple regulatory requirements.
 - **NRS CHAPTER 603A - SECURITY AND PRIVACY OF PERSONAL INFORMATION.**
 - **In April 27, 2021, State of Nevada spent \$2 Million on MultiFactor Authentication (“Multi-factor authentication adds a critical statewide layer in the ‘security onion,’ dramatically reducing the likelihood that any of our 18,000 accounts could be used by an attacker,” Stephanie Klapstein, a Nevada Department of Administration spokeswoman, [told The Nevada Independent](#). “It is also an important component of keeping the state compliant with federal security requirements.”)**

• WHO needs MFA?

- **Radio System Administrators (Soft Token)**
 - **WCRCS**
 - **Reno Radio Shop**
- **Agency Administrators (Soft Token)**
- **PSAPS with back-up VIP Consoles (Hard Token)**
- **VIP Console Users (Hard Token)**

Multi-Factor Authentication



L3Harris Technologies, Inc.
 Public Safety and Professional Communications
 221 Jefferson Ridge Parkway
 Lynchburg, Virginia 24501
 Phone: 1-800-368-3277
 Fax: 321-409-4393

Quote Name: Washoe County Radio Shop_Defender Tokens_MBP 19829_042624

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Date: 4/26/2024 **Valid for 30 days**
 Sales POC: Claire Pender
 Sr. Specialist, Sales Account Manager
 775-233-8362
Claire.Pender@L3Harris.com

L3Harris' Internal Use Only	
Quote by:	S. Spence
CRM #	16CS02712
CCC Case #	INC-000329755

Item	Part Number	Description	Qty	List Price	Discount	NSRS Contract Sale Price	Extended Sale Price
1	VS-DF2U	LICENSE,QUEST DEF,TWO FACTOR E-TOKEN,1 YEAR	20	\$ 450.00	26%	\$ 333.00	\$ 6,660.00
Shipping Estimate (estimate only, actual cost may vary)							\$ 50.00
Lead time is subject to material availability at time of order							Total Sale Price \$ 6,710.00

Multi-Factor Authentication



- **SOFT TOKENS:**

- For Purchase of Soft Token; have L3Harris send Licenses activation codes to WCRCS@washoecounty.gov for us to activate within the system.
- Go to Google Play or Apple store and download Defender Soft Token.
- Notify WCRCS to have your Username created on Radio System's Active Directory

- **HARD TOKENS (Coming soon):**

- For purchase of Hard Token; WCRCS will come to you for installation on VIP CONSOLE
- Please schedule 2 weeks in advance. Email WCRCS@washoecounty.gov

Defender Soft Token

One Identity LLC.

3.5★
532 reviews

100K+
Downloads

E
Everyone

Install on more devices



Alternative Funding for P25 System: Site Construction



- **Alternative Funding for P25 System: Site Construction**





- [Nevada to spend \\$2 million on multi-factor authentication | StateScoop](#)



Questions & Concerns?

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Thank you