

WASHOE COUNTY REGIONAL COMMUNICATION SYSTEM

P25 TECHNICAL ADVISORY COMMITTEE

Karl Holden – *Washoe County*
John Kelly – *Washoe County School District*
Chris Ketring – *Truckee Meadow Fire & Rescue*
Keith Mullen – *City of Sparks*
Paul Wiley – *City of Reno*

Meeting Minutes

Thursday ~ September 17, 2020

This meeting was conducted via teleconference.

Agenda Items

1. CALL TO ORDER AND ROLL CALL [Non-action item]

The meeting was called to order at 10:34 a.m.

Present:

- Karl Holden, Washoe County (arrived 10:42 a.m.)
- John Kelly, Washoe County School District
- Chris Ketring, Truckee Meadow Fire & Rescue
- Keith Mullen, City of Sparks
- Paul Wiley, City of Reno

Washoe County Deputy District Attorney David Watts-Vial was also present.

2. PUBLIC COMMENTS [Non-action item] – Comment heard under this item will be limited to three (3) minutes per person and may pertain to matters both on and off the P25 Technical Advisory Committee agenda. The P25 Technical Advisory Committee will also hear public comment during individual action items, with comment limited to three (3) minutes per person. Comments are to be made to the P25 Technical Advisory Committee as a whole.

John Kelly, Washoe County School District, requested that staff advise him as to whether it was possible for him to have an alternate or a replacement. There was no further response to the call for public comment.

3. ELECTION OF OFFICERS [FOR POSSIBLE ACTION]

a. Chair

Chris Ketring, Truckee Meadows Fire and Rescue, moved to nominate Keith Mullen, City of Sparks, as Chair; John Kelly, Washoe County School District, provided the second. There was no response to the call for Committee or public comment. Upon a call for a vote, the motion carried with four in favor, one absent.

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b. Vice-chair

Keith Mullen, City of Sparks, moved to nominate Paul Wiley, City of Reno, as Vice-chair; Chris Ketring, Truckee Meadows Fire and Rescue, provided the second. There was no response to the call for Committee or public comment. Upon a call for a vote, the motion carried with four in favor, one absent.

[Karl Holden, Washoe County, arrived 10:42 a.m.]

c. Secretary

Keith Mullen, City of Sparks, moved to nominate Karl Holden, Washoe County, as Secretary; Paul Wiley, City of Reno, provided the second. There was no response to the call for Committee or public comment. Upon a call for a vote, the motion carried unanimously.

4. NEVADA SHARED RADIO SYSTEM UPDATE [For discussion only] – A review and discussion on the progress of Washoe County, NDOT and NV Energy on Nevada Shared Radio System project, including but not limited to, progress of planning, design and construction activities in Region 2 of NSRS and project expenses.

Quinn Korbolic, Washoe County Technology Services, reviewed his presentation with updates on the system implementation schedule, activity in Region 2, change orders, system cost and payments. The current schedule targets spring for site development activities with Region 2 completion May 2022, and April 2023 final system acceptance. Change orders were expected for L3Harris Primary Staff Changes, Microwave System and Greenfield Sites. Approximately \$3 million of the \$15 million Region 2 system payments had been made. The bond funding for the financing had been received and amortization schedules for agencies that had not prepaid would be shared at the next JOC meeting.

5. DOWNSTREAM IMPACTS OF P25 RADIO SYSTEM IMPLEMENTATION ON AGENCY RADIO EQUIPMENT [For discussion only] – An informational update and discussion on the impacts of the implementation of the P25 Nevada Shared Radio System to legacy radio equipment currently in use by P25 member agencies.

Quinn Korbolic, Washoe County Technology Services, shared that this item is meant to provide the agencies with a list of equipment that may not be compatible with the new radio system and known issues. Don Thornberry, Washoe County Technology Services, provided an overview of equipment that has been identified relating to in-building coverage, non-P25 capable/discontinued radios, P25 radios capable radios, mobile radios, desktop or dispatch backup radios, antenna cabling, OTAP via WC WiFi, and additional points of consideration.

1) In building coverage

- a. BDA (700/800MHz)
- b. Distributed Antenna System (700/800MHz) i. Antennas, Splitters, Taps
- c. Doner Antenna(s) (700/800MHz)
- d. Polyphaser(s) (700/800MHz)

2) Non-P25 capable or Discontinued radios

- a. Mobile i. 500M, 725M, Orion, M7100, M3300, M7200
- b. Portables i. 700P, P7100, LPE-200, P5400, P5300, P5100, P7200, Unity XG-100P

3) P25 capable radios

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- a. Not Featured correctly for P25
 - b. There is a portion of the contract that covers upgrades however WCRCS Users need to discuss how to implement it.
- 4) Mobile Radios
 - a. Passive DC Noise filter must be removed for P25 operation per TAC i. TSM 7/1/20 Vol: 42 Number: 06
 - b. Potential noise issues on EDACS until cutover i. TSM recommends DC-to-DC converter as possible replacement (Link in TSM)
- 5) Desktop or Dispatch Backup radio
 - a. Doner Antenna (700/800MHz) i. No longer required to be directional ii. Exploring options
 - b. Remotes
 - c. Desktop Cabinet/Station i. There is no direct replacement for the DCS/DDC-100 configuration. CS-7000 can be used in certain configurations or circumstances. ii. Exploring other options
 - d. Polyphaser(s) (700/800MHz)
- 6) Antenna cabling if required due to age/wear & tear
- 7) OTAP via WC WiFi?
 - a. Access point in various locations?
 - b. Access to VIDA network for WiFi? i. Will do experiments to determine
- 8) Things to consider/be aware of
 - a. Drop dead date for changes 30 June 2024
 - b. Should be looking at XL radios vice XG radios i. XG radios only guaranteed support for 7 years after contract ii. Easier to program iii. More capabilities

Shawn Tayler, Washoe County Technology Services, shared that an initial review of the radio inventory in MCM had provided some insight into the scope of the upgrades necessary across the system. A list can be prepared for the agencies to allow them to decode the features to help determine the compatibility of the radio with the new system. It was noted that it may be necessary to decide whether to have the agencies pay for the upgrades individually or if it would be better to have Washoe County purchase them and then seek reimbursement from the agencies. The price will be the same either way. Public Safety-grade radios purchased under this contract (approximately September 2018 to present) should have all the features necessary.

Agencies may also want to consider the age of the radio along with the upgrade cost to determine if an investment in a new radio is a better option. Chris Ketrang, Truckee Meadows Fire and Rescue, shared the estimate to upgrade his agencies radios was between \$1,000 and \$1,300 per radio.

Tracy Moore, Washoe County School District, cautioned that price for installation of BDAs was now required to be to fire code standard; there School District is in the engineering phase to upgrade all schools to dual band.

6. **L3 HARRIS PRESENTATION ON END-USER RADIO EQUIPMENT** [For discussion only] – An informational presentation and possible discussion of, including but not limited to, a trade-in incentive program from L3 Harris; radio purchases by each P25 System member agency in

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relation to contractual requirements under the Washoe County Contract with L3 Harris; and L3Harris' recent radio models.

Jayne Leighton, L3Harris, reviewed her presentation for the M7300 (XG-75M 2-CAN) Trade-in Program, Radio Purchases/Contractual Commitment, XL Series Family, dated September 17, 2020.

Three options were presented for the M7300 trade-in program. Of the contractual 5,097 radios, 1,234 had so far been purchased. Ms. Leighton reviewed the XL series of radios focusing on the feature distinctions of and options for the XL-150P, XL-185P, XL-200P, and the Rugged P25 Portable radios. She also presented a chart comparing the older XG models to the XL family.

In response to questions, Ms. Leighton indicated the 150 featured-out would be the best non-public safety agencies but will not work with the EDACs system; the XG-75pe was the same as multi-mode, there was a contractual obligation to keep radio models support for a number of years after contract signing, and that the 72.2% discount pricing on new radios would be available until one year after final system acceptance, currently scheduled for April 2023.

7. **P25 TECHNICAL ADVISORY COMMITTEE MEMBER/STAFF ANNOUNCEMENTS, REQUESTS FOR INFORMATION AND SELECTION OF TOPICS FOR FUTURE AGENDAS** *[Non-action item] – No discussion among P25 Technical Advisory Committee members will take place on this item. The next regular meeting is scheduled at 10:30 a.m. December 17, 2020.*

None

8. **PUBLIC COMMENTS** *[Non-action item] – Comment heard under this item will be limited to three (3) minutes per person and may pertain to matters both on and off the P25 Technical Advisory Committee agenda. The P25 Technical Advisory Committee will also hear public comment during individual action items, with comment limited to three (3) minutes per person. Comments are to be made to the P25 Technical Advisory Committee as a whole.*

There was no response to the call for public comment.

9. **ADJOURNMENT** *[Non-action item]*

The meeting adjourned at 11:47 a.m.

Approved as written in session December 17, 2020.