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UTAH COMMUNICATIONS AUTHORITY (UCA)



Radio System Upgrade to new L3Harris P25 System - Project Monthly Report

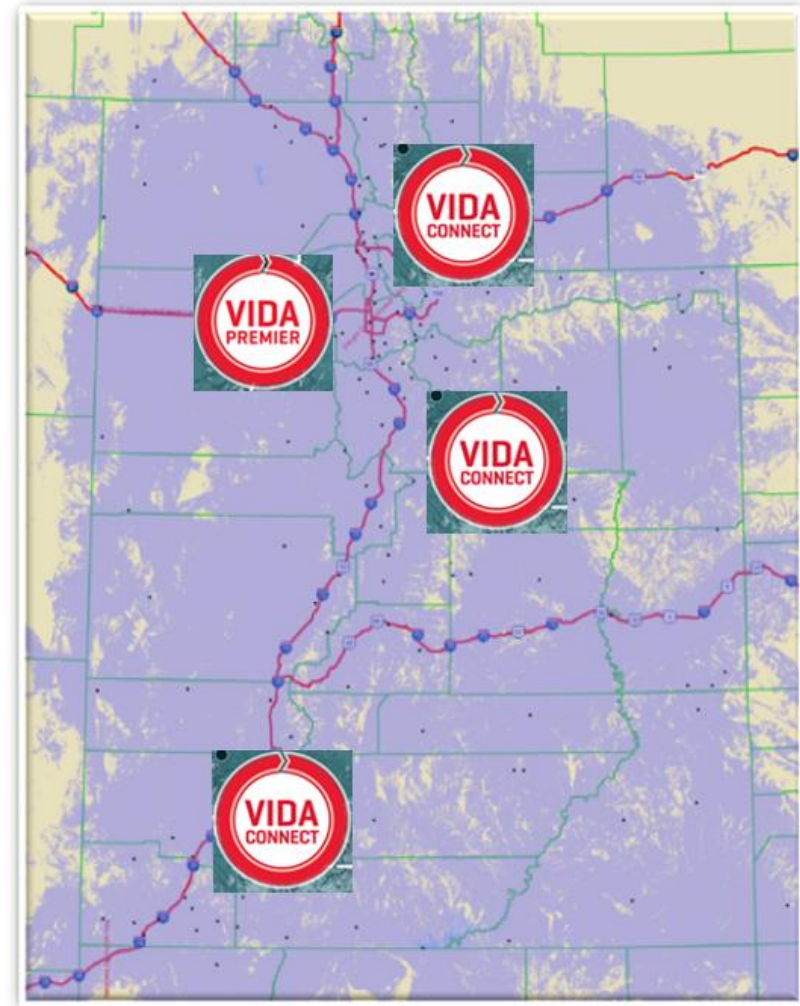
February 16, 2021

Presented By: L3Harris UCA Program Team

1 – UCA Contract Technology Overview



- Design, implement and install P25 Phase-2 IP Trunked System Radio Communications System
- The UCA solution will consist of four (4) IP based VIDA Core Pairs
- 144 MASTR V-based RF sites
- 224 Symphony Dispatch Consoles
 - 221 active + 3 training/spares
 - 560 conventional (4-wire) interfaces
 - 1 centralized voice logging recorder
 - VIDA Interop Gtwys & Encompass Gtwys
- ISSI (Inter Sub System Interface)
- BeOn Gateway Server



2 – Highlights/Recent Status



- Site Grounding
 - All CY20 target sites for grounding work competed & accepted by UCA
 - 60 sites in total
 - Great effort by both UCA & L3H teams to complete field work
 - L3H decided to continue to work on additional CY21 designated grounding sites in winter months (where possible) as weather permits and with winter weather access limitations
 - This work has now been stopped as of mid Jan due to weather and would start back up in summer. This effort would help L3H & UCA stay ahead of schedule for CY21 targeted grounding remediation work
 - Plan for a handful of accessible site's inspections by UCA is being coordinated (weather permitting)
- Site Remediation
 - L3H had finished work in Sept on 23 original sites remediation work. All these sites have been formally visited and accepted by UCA
 - Out of the additional 8 awarded sites in Oct, L3H finished work and received acceptance on 6 of the 8 sites in Nov
 - Ogden Public Safety Building is awaiting access/permit approval and a change order from UCA was approved to extend completion window
 - Mt. Baldy is scheduled for completion later in 2021
 - On UCA's end
 - UCA finished work in Jan 2021 on all 31 planned sites
- CFAT (Customer Factory Acceptance Test), Week 1 & 2 out of total 3 completed (Dec & Jan) with the exception of 2 tests, punch list items identified for last (CFAT #3) visit
 - CFAT #3 planned for week of Feb 22

2 – Highlights/Recent Status.. cont'd



- DDR #2B
 - UCA finished the formal review, L3H team would integrate the limited punch list items identified into the work packages
 - 2 RF sites (Dugway & Scipio Pass) were not discussed at DDR #2B due to pending Structural Analysis report and lease agreement negotiations with site owners
 - Scipio Pass has since received the structural analysis report and is scheduled for a formal DDR review in early Mar
 - Frequency Plans:
 - Freq. applications prepared and submitted by L3H team for first 46 sites are going through final regional approval phase on UCA's end
 - 2nd round sites Freq application submissions currently on hold per UCA
- UCA New Fleet Map Approval
 - UCA board approved the new fleet map structure. L3H would begin conversations with UCA system administrator to start collecting fleet & talkgroup details
- 25 Expansion Sites
 - Schedule would need to be refreshed in light of site construction completion timelines by UCA
 - UCA is developing sites, 7 RF sites were originally planned for CY20 completion
 - For 16 remaining sites, UCA working to get land rights
 - L3H awaiting site development package info from UCA to process and prepare for DDR design packages
 - Calls taking place once a month for the time being to discuss site development updates

3 – Upcoming Milestones - Next Quarter Outlook



- Feb 2021 – Mar 2021
 - DDR #2 (B) – Packages update with integration of latest punch list items
 - CFAT #3, Feb 22nd week visit to L3H Lynchburg, VA facility

- Mar 2021
 - Equip shipment to L3H local warehouse in SLC per UCA's preference
 - Target ship is Mar 12
 - NSC installs begin mid Mar
 - Site Development Info for DDR on Expansion 25 sites to be provided by UCA following which DDR date could be scheduled

- Apr 2021 – Oct 2021
 - RF sites install begin which would continue till Oct end
 - Site Remediations & Grounding remediations would begin in summer

4 – Schedule Overview



- Original contract: updated schedule put in place in Oct 2020
 - Weekly schedule review meetings with L3H scheduling expert
 - Overall project on track per schedule
 - Schedule being updated by both parties in light of CY21 install planning and other feedback provided by UCA

5 – Challenges/Risks



- SA (Structural Analysis) completion
 - Dugway (USAF) is the last site that remains now, site owner need to complete structural analysis reports and provide landowner authorization in order to proceed. Dugway is a USAF site and has taken much more time than usual to process the request.
 - Scipio Pass
 - Structural Analysis completed in Jan, site up for detailed review with UCA
- Approval from Tower/Shelter Owners – 3rd party co-located sites
 - Getting 3rd party responses/agreements have been a tough challenge from beginning of the project due to non-responsiveness from 3rd party owners/managers
 - L3H has been regularly reaching out to involved individuals
 - UCA supported in the past by sending out formal letters on UCA's letterhead. L3H requesting another round of letters send out by UCA
- 30+ PSAPs required info collection / Agencies preferences, TG affiliation info etc.
 - L3H Engg. has questions on existing UCA system that need to be clarified/understood to better plan for new P25 system Cutover and migration plans
 - L3H has been contacting directly each of the individual PSAP location supervisors
 - UCA (Harold) provided assistance in the past, thanks!

5 – Challenges/Risks – cont'd



- COVID-19 Impacts
 - Multiple L3H personnel have tested positive for COVID-19 in the past 1-2 months and gone through quarantine/recovery procedures
 - L3H experiencing delayed material deliveries for the past few weeks as well

- Onsite meetings
 - Potential health concerns with travel
 - For now, L3H restricted travel advisory in place
 - No onsite monthly meeting with UCA
 - UCA working remotely

6 – Feb 2021 Change Orders



- L3H initiated
 - Ogden PS date extension – CO completed
- UCA initiated
 - Web Hill (St. George) Simulcast cell site DCP change & Pt. of the Mountain location change
 - L3H submitted the Change Order draft 2/12
 - Expansion Sites Grounding
 - Details being collected on scope