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UTAH COMMUNICATIONS AUTHORITY (UCA)



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

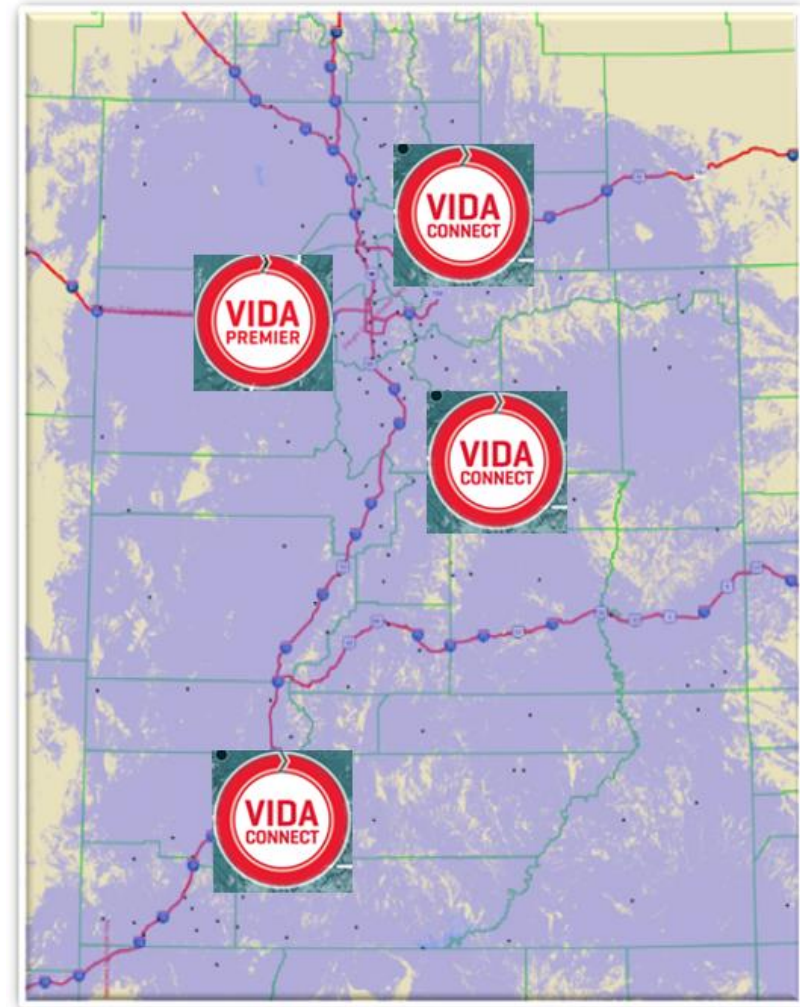
January 19, 2021

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 Cores
 - 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 would help L3H & UCA stay ahead of schedule for next year's grounding remediation work
 - Plan for UCA's site inspections would be coordinated per the weather and site access
- 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 in order for work to begin.
 - 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 of 3 (Dec 14 – 17)
 - Completed with punch list items identified for CFAT #2 visit
 - All 8 NSCs (Regions 10, 20, 30 & 40), 17 RF Sites & Interop gateway tests nearly completed
 - Week 2 of 3 planned for Jan 25 - 28

2 – Highlights/Recent Status.. cont'd



- DDR #2B
 - Conducted in mid-Nov to cover the remaining design elements for CY21 & beyond
 - L3H team currently integrating the 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
 - Frequency Plans:
 - Freq. applications prepared and submitted by L3H team for first 46 sites are going through final approval phase on UCA's end
 - 2nd round sites Freq applications would be submitted by L3H by Jan end
 - Cutover Plan would be discussed post Jan once Fleet Mapping decisions are finalized on UCA Board's end

- 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 planned for CY20 completion
 - For 16 remaining sites, UCA working to get land rights
 - L3H would plan to hold DDR for first tranche of sites when info becomes available in Spring 2021 (UCA to advise how many sites are fully ready to-date)
 - UCA to start providing completed sites info to L3H to allow L3H to proceed with design work
 - Calls taking place once a month for the time being to discuss site development updates

3 – Upcoming Milestones - Next Quarter Outlook



- Jan 2021 – Feb 2021
 - Additional grounding remediation work continues
 - DDR #2 (B) – Packages update & integration of punch list items completion
 - CFAT #2, Jan 25th week visit to L3H Lynchburg, VA facility
 - CFAT #3, Feb 8th week planned

- Feb 2021 – Apr 2021
 - Equip shipment to L3H local warehouse in SLC per UCA's preference
 - Target ship is late Feb
 - NSC installs begin early Mar
 - Info for DDR for Expansion 25 sites to be provided by UCA following which DDR date would be scheduled

- Apr 2021 – Oct 2021
 - RF sites install begin which would continue till Oct end

4 – Schedule Overview



- Original contract: updated schedule put in place in Oct 2020
 - Weekly schedule review meetings with L3H scheduling expert
 - Project on track per schedule

5 – Challenges/Risks



- SA (Structural Analysis) completion
 - Dugway (USAF) and Scipio Pass (SBA) remain, both site owners need to complete structural analysis reports and provide landowner authorizations in order to proceed. Both landlords have taken much more time than usual.
 - Scipio Pass
 - Progress made in Dec, SBA team held a meeting with L3H & 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 supporting further by sending out formal letters on UCA's letterhead

- 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, thanks!

5 – Challenges/Risks – cont'd



- COVID-19 Impacts
 - Multiple L3H personnel have tested positive for COVID-19 in the past 3-4 weeks and are undergoing quarantine/recovery procedures
 - L3H experiencing delayed material deliveries for the past few weeks
- Onsite meetings
 - Potential health concerns with travel
 - For now, L3H restricted travel advisory in place
 - No onsite monthly meeting with UCA
 - UCA working remotely