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UTAH COMMUNICATIONS AUTHORITY (UCA)



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

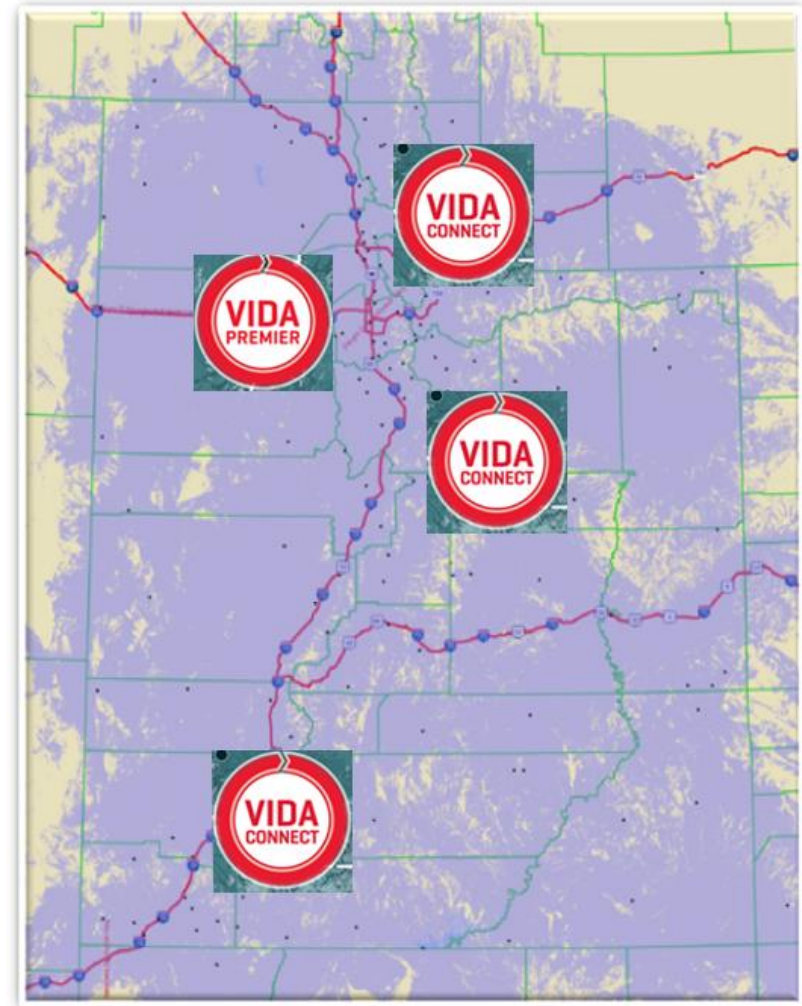
Oct 20, 2020

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
 - 1 x HA VIDA Premiere Core
 - 3 x HA VIDA Premiere Connect Cores
- 143 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



- Updated site survey reports for 11 Solar sites finalized and approved by UCA
- Structural Analysis reports
 - 117 out of 119 SAs completed
- DDR #2-A (16 Sites)
 - Formal work packages approval & material order authorization by UCA
 - 8 sites remediation (non-grounding) work authorization by UCA
- DDR #2-B (All remaining sites)
 - DDR scheduled for mid-Nov
- Grounding
 - Grounding remediation work underway with 6 teams from two different vendors in the field
 - With 2 additional teams coming onboard Oct 1st grounding sites completion has accelerated
- Site Remediation
 - Work completed in Sept on 23 sites awaiting inspection (to be combined with grounding inspection to allow UCA make a single visit to sites)

2 – Highlights/Recent Status.. cont'd



- Grounding Remediation Status to-date:
 - 37 of 62 sites formally accepted by UCA
 - Last 2 months activity
 - August Actuals – 9
 - September Actuals – 14
 - Current Month/Oct Plan
 - Actuals – 8 of 17 (as of 10/16)
 - Next month outlook
 - November Forecast – 16
 - High Elevation sites prioritized starting in October
 - L3H has deployed two additional teams for grounding remediation this month (Total 6 teams at work)

- Non-Grounding Remediation Status to-date:
 - Original 23 sites work has been be completed as of Sept 17th
 - UCA has completed 21 out of the 31 sites
 - 17 of 31 accepted by UCA to-date (high elevation sites prioritized)
 - Non-Grounding Remediation start for added 8 sites began in Oct

- 25 Expansion Sites
 - New 25 sites, schedule completed per guidelines provided by UCA
 - UCA is developing sites, per UCA up to 9 RF sites would be built by CY 20 end
 - For 16 remaining sites, UCA plans to get land acquisition rights/finalize plan by fall CY20
 - L3H would plan to hold DDR for first tranche of sites in Spring 2021
 - Targeting around Feb 2021 timeframe
 - UCA to start providing completed sites info to L3H from later this month
 - Calls taking place once a month for the time being to discuss site development updates

3 – Upcoming Milestones



- Oct 2020 – Nov 2020
 - Field remediation work continues with Nov end as the target completion date for new count of 62 Grounding sites and new count of 31 remediation sites completion
 - DDR #2 (B) – For all remaining items, starting mid- Nov 2020

- Dec 2020 – Jan 2021
 - Equip staging begins in Lynchburg, VA - L3H factory from mid Dec 2020, with 2nd round visit & 3rd follow up as needed in Jan
 - Staging plans being firmed up with factory
 - UCA travel or remote factory staging review options being explored

- Feb 2021 – Apr 2021
 - Equip shipment to L3H local warehouse in SLC per UCA's preference
 - Target ship is mid Feb
 - NSC installs begin late Feb
 - DDR for Expansion 25 sites (7-10 sites) planned in Feb

4 – Schedule Overview – Next Quarter Outlook



- Updated schedule put in place
 - Weekly schedule review meetings with L3H scheduling expert started
- Expansion Schedule for new 25 sites, 21 consoles & new core
 - L3H proposed schedule per guidelines provided by UCA

6 – Challenges/Risks



- SA (Structural Analysis) completion
 - Dugway (USAF) and Scipio Pass (SBA) remain, both requiring lease term negotiations
 - Getting 3rd party responses/agreements have been a challenge

- Approval from Tower/Shelter Owners – 3rd party co-located sites
 - It has 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 concerned individuals.
 - UCA supporting further this month 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 some assistance, thanks!
 - L3H is requesting some tribal knowledge/help in this area from UCA

6 – Challenges/Risks – cont'd



- Onsite meetings
 - Potential health concerns with travel
 - For now, L3H restricted travel advisory in place
 - No onsite monthly meeting with UCA
 - UCA working remotely
 - DDR #2 would also be remote

- Site Grounding/Remediations
 - With L3H field teams picking up speed in the field, it would require more engagement from UCA for next few weeks to come out and inspects individual sites as these get ready