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# UTAH COMMUNICATIONS AUTHORITY (UCA)



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

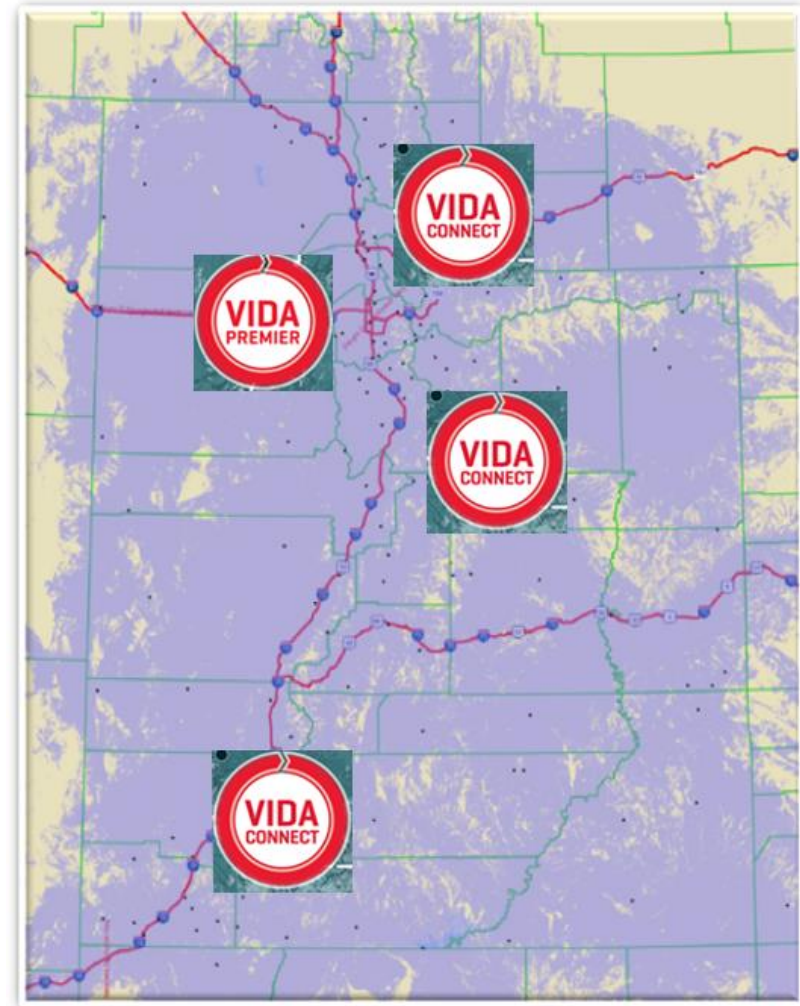
Dec 8, 2020

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
- 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!
    - 61 sites in total
    - Great effort by both UCA & L3H during the past month to complete field work
  - L3H is working on additional sites grounding remediation work for next few weeks provided the weather holds.
    - This would help L3H & UCA stay ahead of schedule for next year's grounding remediation work
  
- 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 has already finished work and received acceptance on 6/8 sites
    - 1 site left for CY20 is Ogden Public Safety Building. This site is awaiting access approval for work to begin
    - There is one additional site Mt. Baldy which will not be completed this calendar year.
  - On UCA's end
    - UCA has finished work on 28/31 sites to-date

## 2 – Highlights/Recent Status.. cont'd



- DDR #2-B
  - Started in mid-Nov and wrapped up to cover the majority of the remaining design elements for CY21 & beyond
  - L3H team currently integrating the punch list items 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
  - Cutover Plan would be discussed later once Fleet Mapping decisions are finalized on UCA's end
  - Updates added to schedule per UCA feedback and is now going through UCA review
  
- 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 working to get land rights
  - L3H would plan to hold DDR for first tranche of sites in Spring 2021
    - Targeting around Feb 2021 timeframe – assuming sufficient number of sites are constructed at that time
    - UCA to start providing completed sites info to L3H starting this month 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



- Dec 2020 – Jan 2021
  - Additional field remediation work continues
  - DDR #2 (B) – Packages update & integration of punch list items
  - Equip staging begins in Lynchburg, VA - L3H factory from next week Dec 14 2020, with 2<sup>nd</sup> & 3<sup>rd</sup> round visits planned in Jan
  - Staging plans firmed up with factory
    - UCA team desired to travel in person, L3H making preps for the visit/facility access under Covid-19 protocol guidelines
  
- Feb 2021 – Apr 2021
  - Equip shipment to L3H local warehouse in SLC per UCA's preference
    - Target ship is mid/late Feb
  - NSC installs begin very end of Feb
  - DDR for Expansion 25 sites (7-9 sites) being considered for Feb

## 4 – Schedule Overview



- Updated schedule put in place as per Amendment #3 (Oct 1, 2020)
  - Weekly schedule review meetings with L3H scheduling expert
  - Project on track per schedule
  - As part of DDR #2B – schedule updates being discussed with UCA
  
- Expansion Schedule for new 25 sites, 21 consoles & new core
  - L3H proposed schedule per guidelines provided by UCA
  - Schedule to be firmed up with UCA feedback during DDR #1 of Expansion sites

## 6 – Challenges/Risks



- SA (Structural Analysis) completion
  - Dugway (USAF) and Scipio Pass (SBA) remain, both need landowner authorizations in order to proceed. UCA is helping L3H with obtaining these authorizations. Both site owners have been taking more time than normal anticipated timeline and awaiting on their internal analysis to be completed which has slowed the process.
  
- Approval from Tower/Shelter Owners – 3<sup>rd</sup> party co-located sites
  - Getting 3<sup>rd</sup> party responses/agreements have been a tough challenge from beginning of the project due to non-responsiveness from 3<sup>rd</sup> party owners/managers
  - L3H has been regularly reaching out to concerned 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!

## 6 – Challenges/Risks – cont'd

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