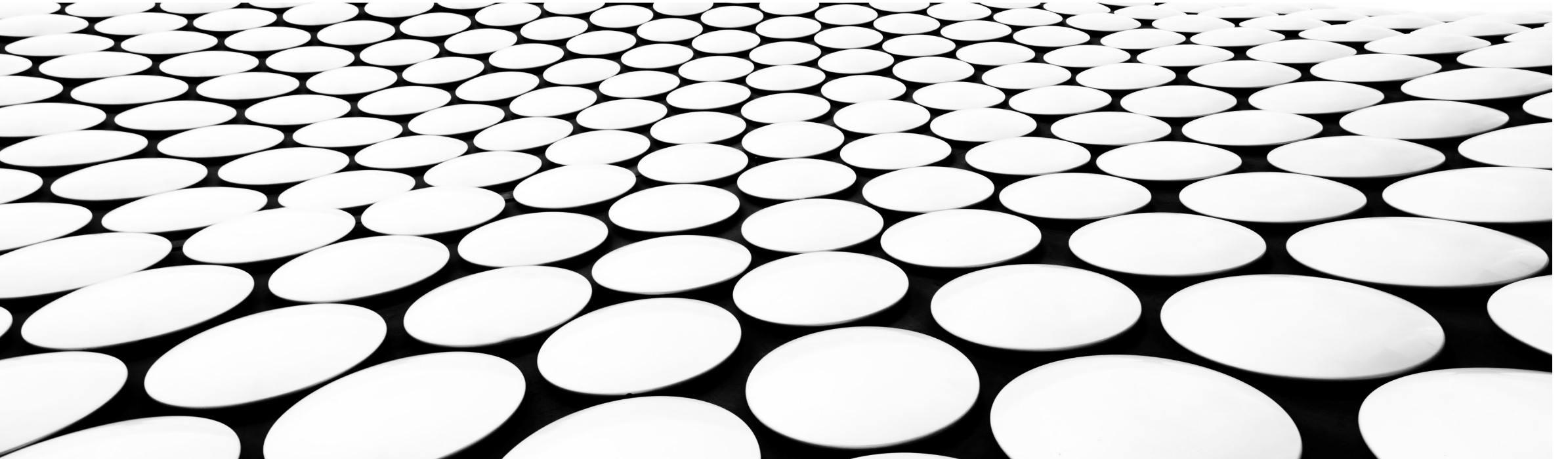
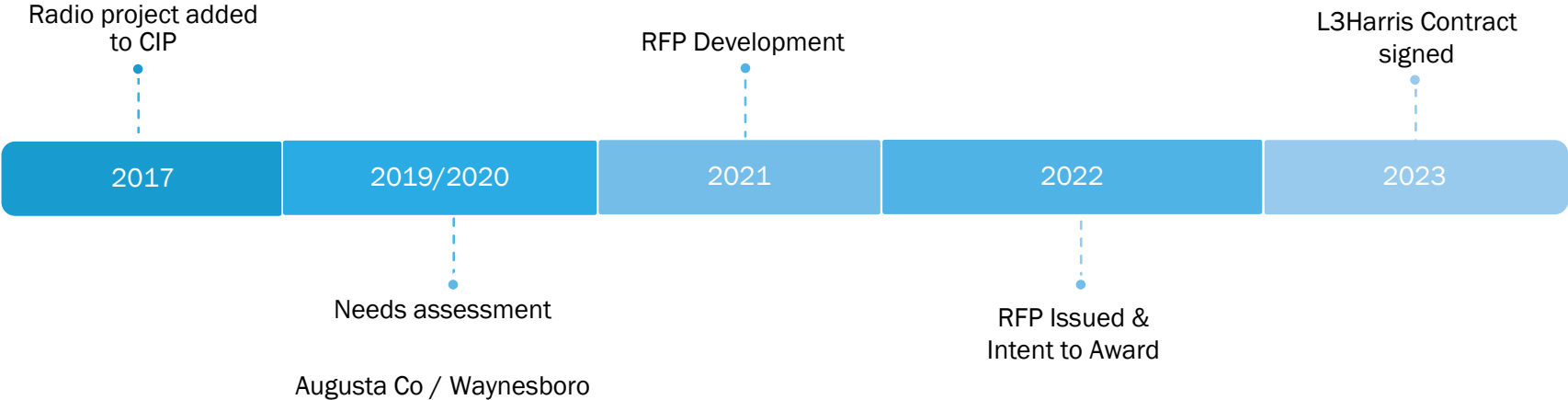

SAW REGIONAL RADIO PROJECT UPDATE

OCTOBER 10, 2024



PROJECT TIMELINE





SINCE CONTRACT SIGNING

- Detailed Design and Review (DDR)
- Procurement and Production
- Customer Factory Acceptance Testing

NEW LOGO



SYSTEM ARCHITECTURE

- **P25 Phase 2, UHF, 6 Sites - 2 Simulcast Cells**

- VIDA Unite Location-HA NSC
- Cell 1: 4 sites, 6 channels
- Cell 2: 2 sites, 6 channels
- 2 DCPs at each cell

- **Tait Conventional Analog Single Channel UHF Simulcast Paging Overlay**

- 5-site system for County and 1-site system for Waynesboro
- Existing Frequencies, Sites, and Antenna Systems
- 3 DFSI connections

- **VIDA NSC**

- Primary NSC at Reservoir Hill
- Secondary NSC at Augusta Dispatch

- **Dispatch – 3 Dispatch Sites**

- **Augusta County Dispatch:**
 - 9 consoles with 8 XL-200 BUCS
 - 1 SMT & 1 KMF Workstation (also an SMT)
- **Staunton Dispatch:**
 - 4 consoles with 4 XL-200 BUCS
 - 1 SMT (at Res Hill) & 1 KMF Workstation (also an SMT)
- **Waynesboro ECC:**
 - 4 consoles with 4 XL-200 BUCS
 - 1 KMF Workstation (an SMT)
- **9 VIP consoles software only**

- **Interop**

- Connect to existing control/ base stations
- 1 Interop Gateway at each of the following locations:
 - Augusta Dispatch, Staunton Dispatch, Waynesboro ECC, Deerfield, Waynesboro Tower, Troxell Gap, and Massanutten

- **Backhaul**

- L3H-provided 11-Hop Microwave by Aviat
- Loop Design required where possible; otherwise MHSB spurs required

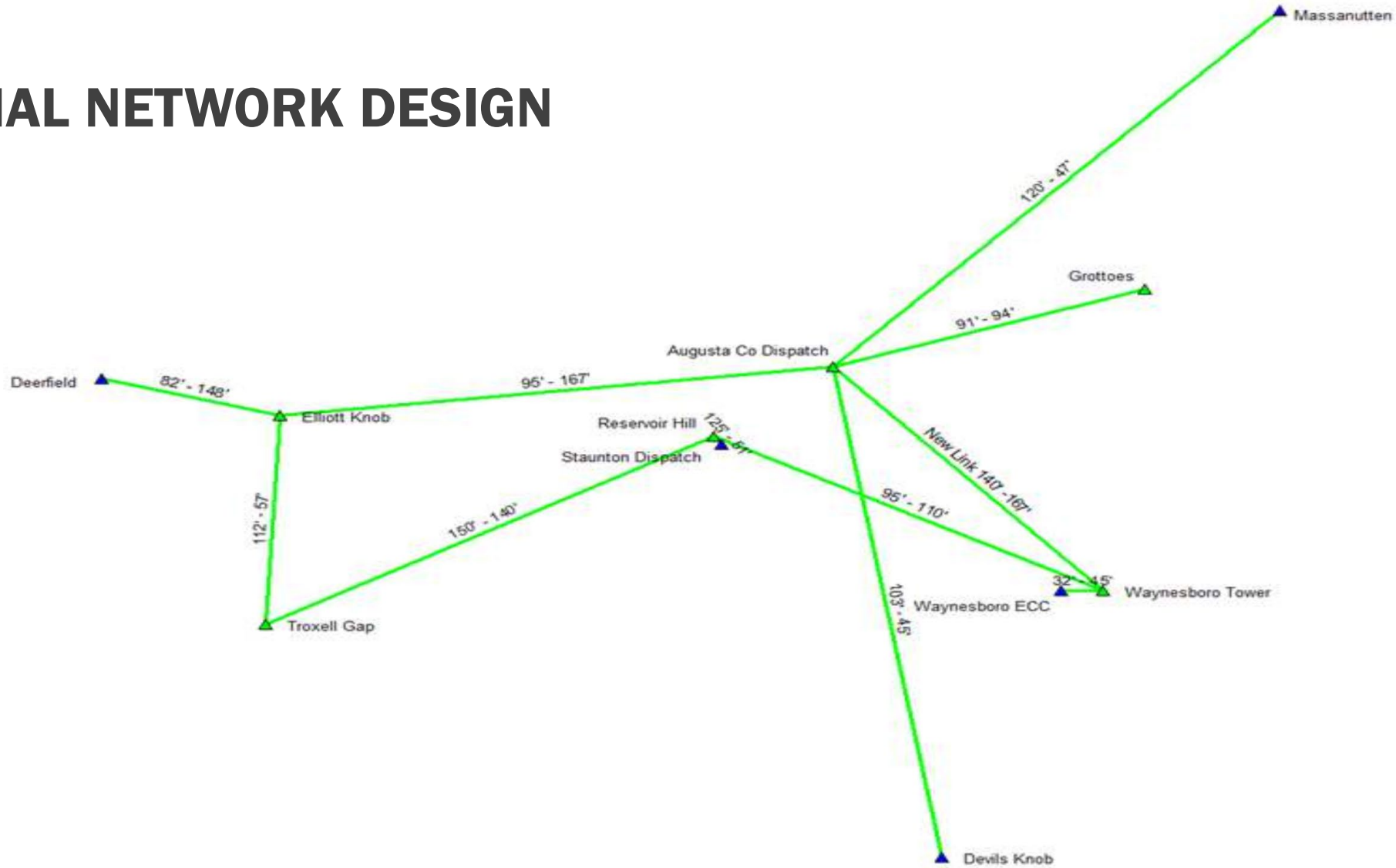
- **Subscribers**

- Public Safety
 - (447) XL-200M mobiles, all bands
 - (66) XL-200M dual mount mobiles, all bands
 - (991) XL-200P portables, all bands
 - (140) XL-200P intrinsically safe portables, all bands
 - (20) XL-200M Desktop Control Stations (not including the 16 BUCS)
- Non-PS
 - (204) XG-25M mobiles, UHF
 - (304) XL-150P portables, UHF
 - (21) XL-200M Desktop Control Stations (not including the 16 BUCS)

- **Backup Power**

- 4-Hour DC Plant at 2 sites (Waynesboro Tower & Reservoir Hill)
- 14-Hour DC Plant at 2 sites (Deerfield & Grottoes)
- 200A Automatic Transfer Switch (ATS) for Grottoes
- Existing UPS's and Generators can be used at dispatch centers

FINAL NETWORK DESIGN



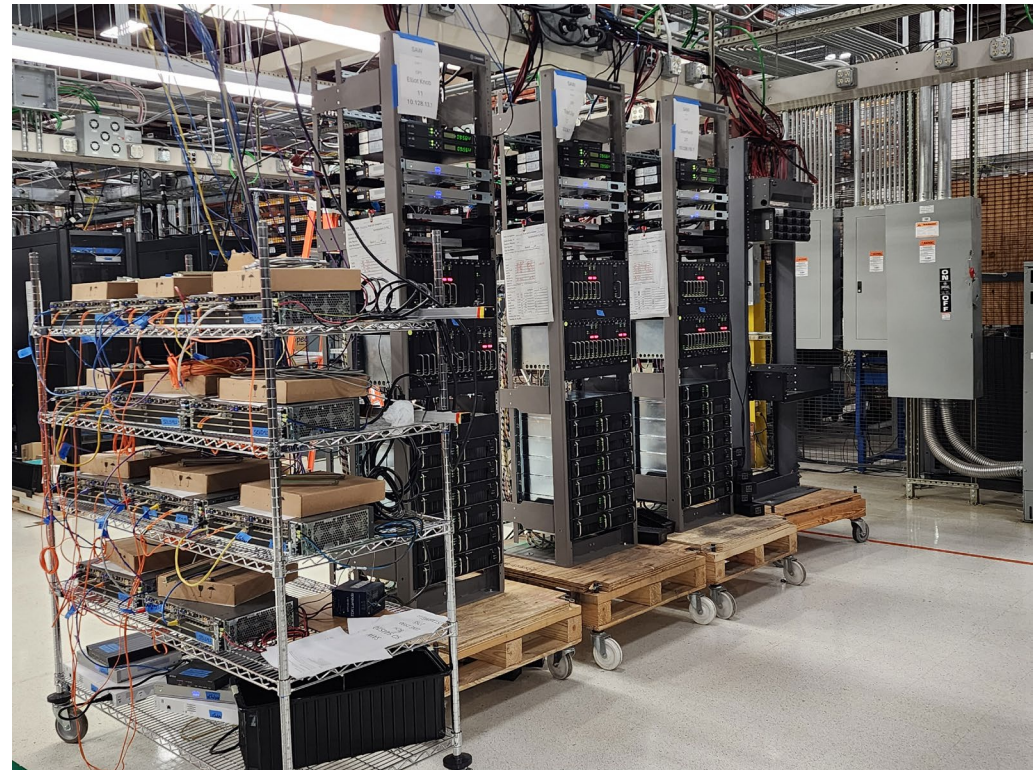
MICROWAVE

- Factory acceptance testing (March 2024)
- Equipment at every tower site
- Equipment is staged in Verona



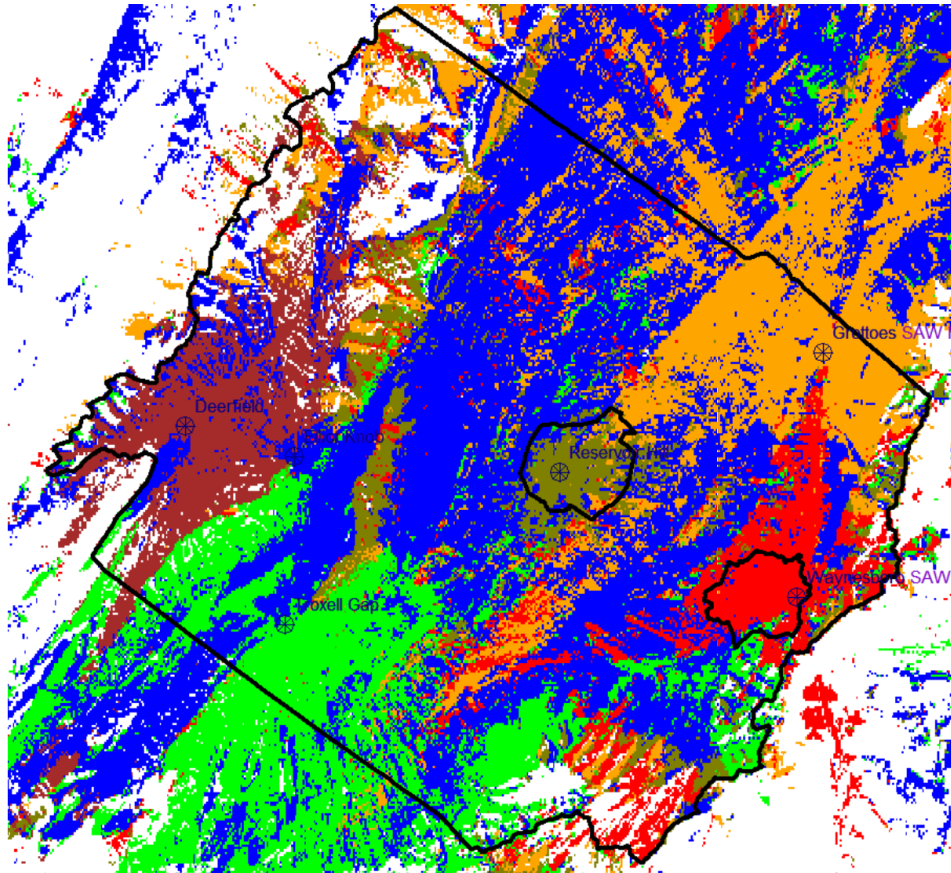
RADIO SYSTEM

- Factory acceptance testing (August 2024)
- Equipment at every LMR site
- Core Locations
 - Reservoir Hill
 - Augusta County

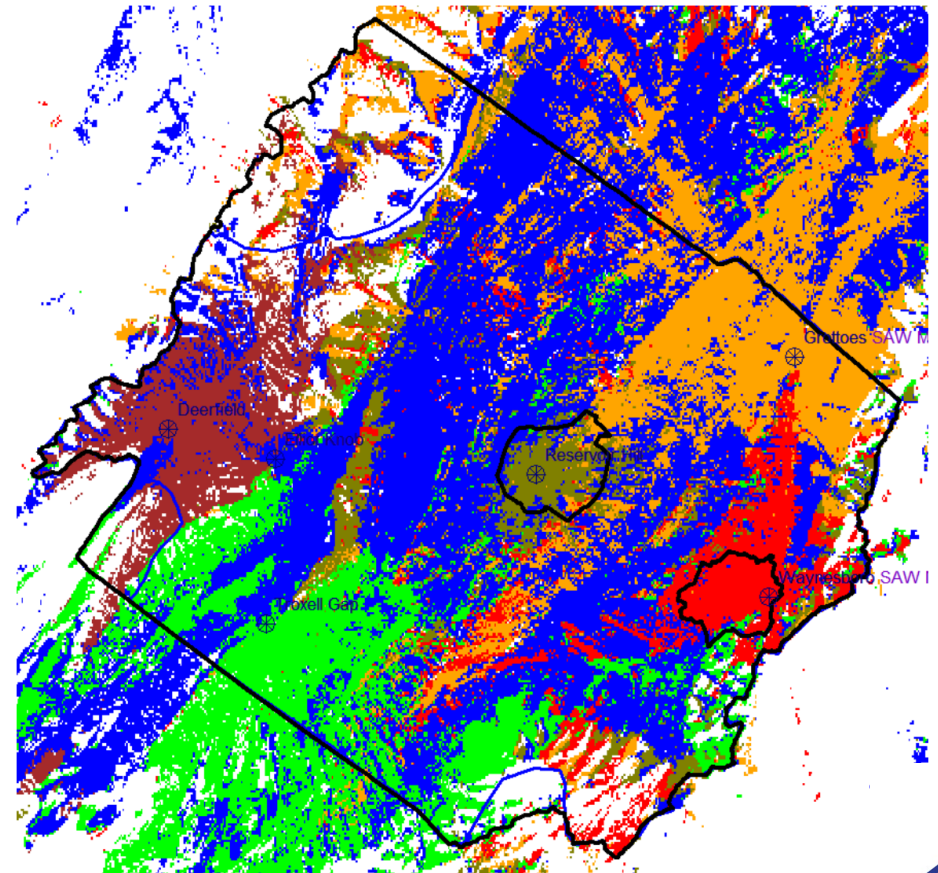


PROJECTED COVERAGE

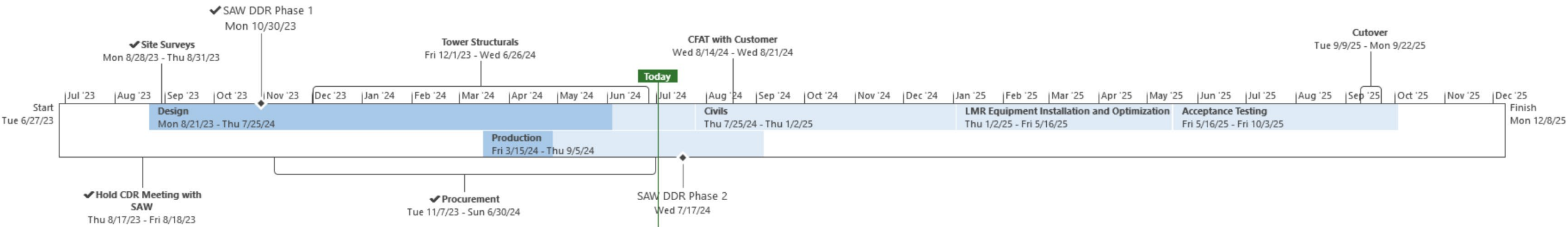
MOBILE TALK-OUT



PORTABLE OUTDOOR TALK-OUT



THE NEXT STEPS



CURRENTLY IN THE WORKS

- Lease updates
- Civils
- FCC Licensing
- Radio Tech hired
- Staunton Dispatch

STAUNTON DISPATCH CONSOLES



A BUSY 2025 AHEAD

- Tower and site installation
- Subscribers (“radios”)
- System Functional Testing [May/June]
- Coverage Testing [Q2/Q3]
- Training
- Go Live
- Decommissioning

QUESTIONS?