



MOTOROLA SOLUTIONS

State of North Dakota

SIRN 2020 Status Update

October 2022



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Phase 1 / Groups 1-4 Status (22 Cutovers Completed)-

- Group 1 locations- Grand Forks, Minot, Barnes, Stutsman and Richland- Complete
- Group 2 locations -Williston, Cavalier, Bottineau, Dickinson, Central Communications- Complete
- Group 3 locations – Mountrail, MHA Communications Center, Walsh State Communications, Lake Region 911, McKenzie, McLean and Williston UMRRDC-New Airport- Complete
- Group 4 locations -Traill / Steele 911, Pembina Dispatch Center , Pierce State 911, Rolette State 911 and Mercer / Oliver 911- Complete
 - R56 Audits completed for this group- Planned to be completed in Nov-2022

Phase 1 / Group 5 Locations (In process of Re-Planning Schedule)

- Group 5 locations- State Radio, State Radio Back up, Minot New PSAP
 - New Minot PSAP- NTP received and equipment has been ordered- Target Turn-up March/ April of 2023
 - Status Meetings have been set up with Team
 - State Radio Back Up (Scope changed to add additional consoles to the Cen-Comm location).
 - Deployable Laptop Configuration / testing- Item postponed until the operational requirements are defined by DES / State Radio and NDITD
 - State Radio (Postponed until Statewide Mobile Coverage is completed)
 - Network Equipment has been installed at the location

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RF Phase Status (Phase 2, Group 1, 2, 3 and 4)

- Pre-Construction Items in process (AKA- Architectural and Engineering – A&E)
 - 17 Site walks have been completed the wk of 9/19/22
 - » (5) out (8) NEPA issue sites have had Alternate locations walked to determine feasibility
 - » (8) Lease exhibits approved (9) are in process of being reviewed with the teams for approval (Internal and Land Owner Approvals)
 - (2) Tower NTP request has been received and tower steel has been ordered
- Targeting (15) New Site Walks by End of Year for future RF Site groups (Schedule is in process of re-planning)
- Early Adopter locations updates-
 - Drive testing Reports has been completed and shared with the team for Williston/Williams Co, Grand Forks, Minot and Bismarck area's.
 - Bismarck Simulcast RF is active(4 locations)
 - » Acceptance Test Plans(ATP) for the Simulcast locations (Qty-4) and (4) surrounding ASR locations have been completed
 - Added one additional RF ASR site (New Cingular Wireless) that will help with Coverage of this area
 - » Secondary Backhaul connections for Bismarck simulcast is in process with the local Telco (BEK).
 - Mandan Secondary link is being turned up
 - BEK is working on the WAP Secondary link to complete this connectivity. Once complete the Bismarck Simulcast Cell will be tested End to End.
 - Dickinson Simulcast Backhaul Secondary Links will be the same as the Bismarck Links, these links will be provided by DCN

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RF Phase Status (Phase 2, Group 1, 2, 3 and 4) Cont.

- Civil work in process-
 - (6) Additional Shelter Installs Targeted by End of Year
 - South West Region -
 - » Stark / Dickinson WT Planned for 10/31 (Two Site Simulcast Cell)
 - » (3) Other
 - (1) North East Region
 - (1) North West Region
 - (6) Antenna and Lines Installs Targeted by End of Year
 - (2) Sites planned to have Shelter Concrete, power, grounding and Telco conduit work completed
 - (5) Other locations will be scheduled once Land Owner approval is received
- Overall Site Build Status for Locations in which an NTP Has Been Received (107 Contract Locations + One Change Order)

| Region | Close Out | In Process | Open | QTY of Sites |
|--------|-----------|------------|------|--------------|
| NE | 9 | 4 | 8 | 21 |
| NW | 13 | 5 | 11 | 29 |
| SE | 7 | 6 | 8 | 21 |
| SW | 17 | 7 | 13 | 37 |
| Total | 46 | 22 | 40 | 108 |

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Overall Site Build Status Cont..

- (46) locations have been completed (31 Locations are in Use for Simulcast with ASR support, 15 other locations complete)
- In Process- Sites with Partial Civil Construction complete
 - 14 RF Site Optimizations
 - (6) ATP's Targeted to be Completed in November
 - (8) ATP's Targeted to be Completed in December
 - Site Backhaul Required for ATP testing
- Open- Sites requiring lease / owner approval / Not scheduled

Other Projects in Process-

- VPN Core setup / Configurations / Testing
 - Radio Management Bismarck VPN testing completed
 - Fargo VPN testing is Open Pending the below Items
 - ATP acceptance of NICE logging- Planned for 11/1/22
 - Radio Management- ATP complete
 - Smart Connect- ATP is being created / Need to Schedule with State Resources

SIRN Build Out : NEXT STEPS



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Phase 2 / Group 1 (State Owned Locations)

- Work with State to help resolve build plan for State locations requiring changes and locations with possible NEPA issues (QTY-8)
 - (5) Alternate Sites have been identified, LE's are in the approval process

Phase 2 / Group 2 (Early Adopters)

- Work with State team to complete simulcast secondary backhaul connections and fail over testing (Bismarck Area is in process)
- Schedule and complete ATP testing for Bismarck Area

Phase Two / Group 3

- Work with Teams to get Lease Exhibit approval to Lock in lease targets

Phase Two / Group 4

- Project schedule is in process for the locations identified for this group should have a quick lease time (i.e past leases with site owners already completed)
- Update and Complete lease Exhibits for Approval to allow team to Order additional shelters for 2023 Build Season

Phase Two Schedule-

- Groups 1-4 Project schedule is in process on being updated to determine new completion dates based on current location status and supply chain and NEPA Challenges
- A new schedule has been created for the last groups of RF locations (Group 5 = 16 and Group 6=16). This will complete the RF buildout schedule once baselined
 - Team looking for alternates that have had leases completed in the past

State Team Core and RF training Planned

- On Site training has been completed with State teams
 - Final (2) week custom course topics are being identified

Additional Core Work Planned

- Radio Management- Integration and ATP has been completed.
 - Working with team to determine Radio Re-touch plan

RF Coverage Maps

- Team working on creating Maps (Planned for Nov-2022 SEIC meeting)
 - Current sites in use
 - Sites completed but not in use