

 **MOTOROLA SOLUTIONS**

# State of North Dakota

## SIRN 2020 Status Update

### December 2022





# SIRN 2020 December Status Update



## 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 and corrections implemented

## 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
    - Customer Design Review completed 11/17/22
  - 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 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
    - » (12) Lease exhibits approved (5) are in process of being reviewed with the teams for approval (Internal and Land Owner Approvals)
- (8 out of 16) Paper Study Lease Exhibits (LE) have been completed. The remaining are targeted to be provided by End of Year for future RF Site groups (Schedule is in process of re-planning)
  - Paper Study LE's will allow the site layouts to be shared with the site owners to allow the lease process to continue and place shelter orders for the 2023 build season
- 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)
    - » Secondary Backhaul connections for Bismarck simulcast have been completed by the local Telco (BEK).
      - MSI has turned up the secondary links.
      - Full Simulcast failure over testing needs to be scheduled with Teams (Targeting Late January)
- Dickinson Simulcast:
  - Compound and Equipment installation work has been completed.
    - Simulcast Optimization work is complete, Backhaul is in process of being installed and turned up via the local Telco and NDIDT teams
      - » Coverage testing planned for the week of 1/9/2023
    - PSAP Trunking training is planned for the week of 1/23/2023 to prepare for users in early Feb.

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

- Civil work in process-
  - Additional Shelter Installed
    - South West Region -
      - » Stark / Dickinson WT Planned for 10/31 (Two Site Simulcast Cell) – Shelter is set as planned
    - (1) North East Region- Complete on 11/15 as planned
  - (1) Antenna and Line Install in process that is planned by End of Year
  - All Other locations postponed due to weather and will be restarted in Spring
- 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	10	0	11	21
NW	17	0	12	29
SE	9	1	11	21
SW	20	3	14	37
Total	56	4	48	108

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## Overall Site Build Status Cont..

- (56) locations have been completed (30 Locations are in Use for Simulcast with ASR support, 26 other locations complete)
- In Process- Sites with Partial Civil Construction complete
  - RF Site Optimizations
    - (4) ATP's Targeted to be Completed in First Quarter (Backhaul readiness / Weather dependant)
      - Site Backhaul Required for ATP testing
- Open- Sites requiring lease / owner approval / Not scheduled

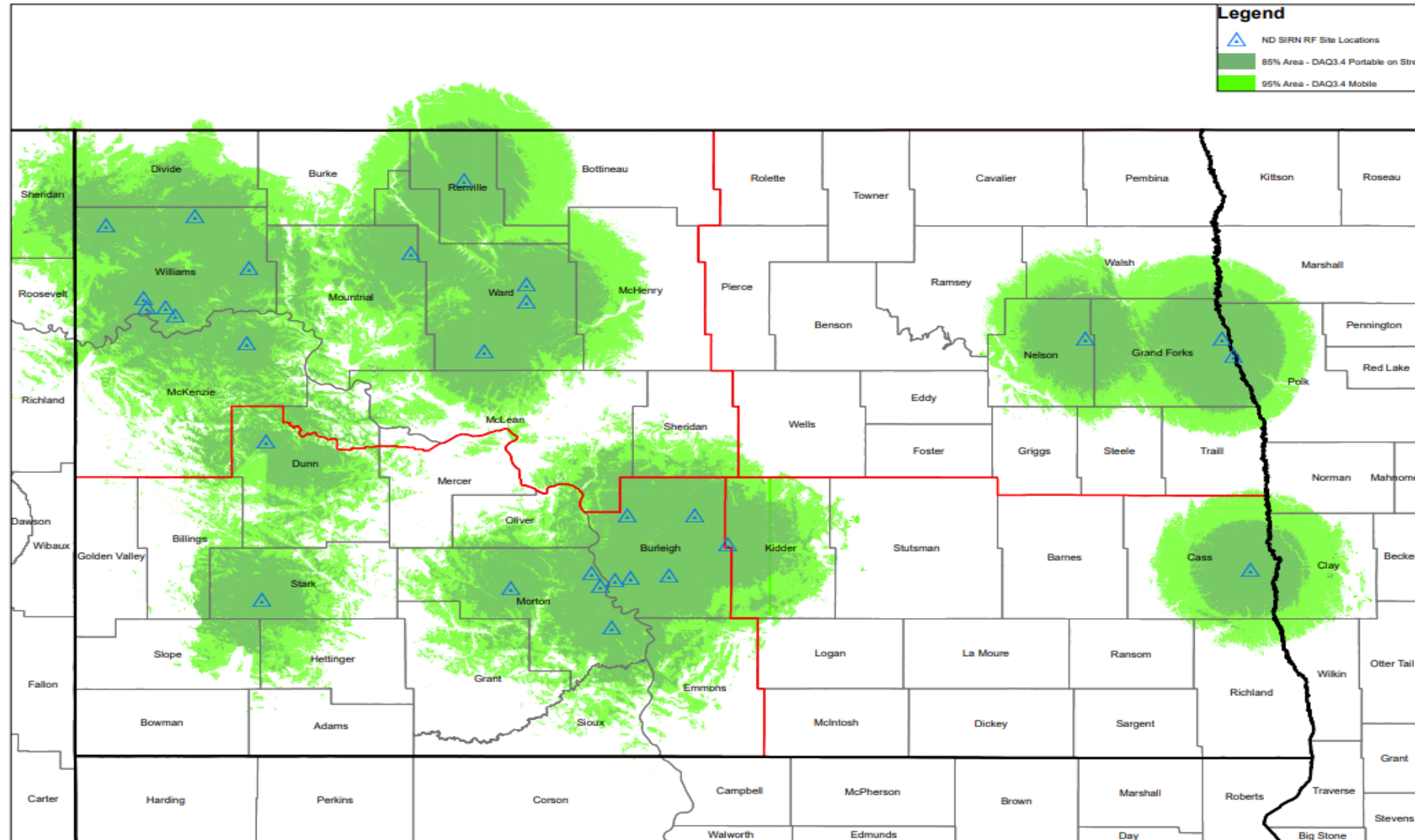
## Other Projects in Process-

- 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- Complete
    - Radio Management- ATP complete
    - Smart Connect- ATP has been completed
- System Upgrade from SW version .19 to .21 Planed from 1/9/23- 2/3/23
  - Switchover planned for the Week of 1/23/23

# RF Locations with Active Users

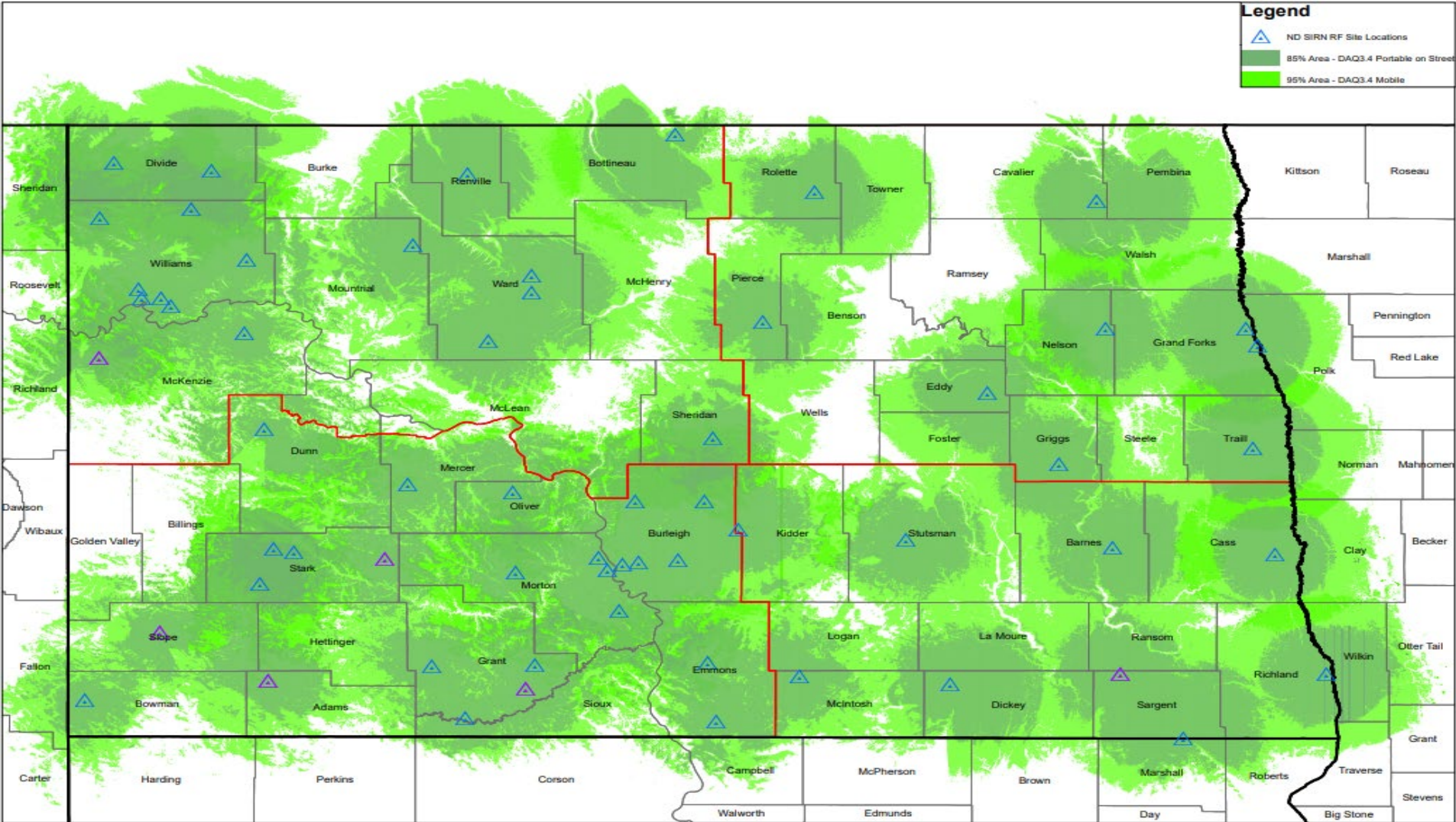


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# RF Locations that are Complete / Ready for Users



# SIRN Build Out : NEXT STEPS



## 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)

- 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
- Enhanced focus completing State Wide Mobile coverage ( ~20 locations needed to complete this task from Group 1 and Group 3 locations)

## 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
  - Awaiting State NTP to start this group and a target completion date will be provided once received.

## 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 (Ensure proper options are being ordered, working with team to capture the proper data to enter radios into Radio Management, etc..)

## RF Coverage Maps

- Current sites in use
- Sites completed but not in use
- 2023 Target Sites / overall coverage footprint to be provided the SEIC meeting in Feb 2023