



March 2021

9-1-1 Association Meeting

PUBLIC SAFETY COMMUNICATIONS IN ND

230,000 Calls to 9-1-1 each year

9-1-1 Calls are received every 2 MINUTES
24 hours a day, 365 days a year



SIRN Today, Tomorrow and beyond



Pre-2019

Fragmented
Systems
Little to No
Interoperability &
Coverage Issues

SIRN 2020 Today

- Updating DOT sites 45
- Adding 95 more sites
 - Working with City/County Government to use local assets
- Almost 50% of PSAPs on new MCC 7500 Consoles with 18 of the 22 upgraded by end of 2021
 - Allowing for Direct Communications with other PSAPS

SIRN 2020 into the future...

- Interoperability with MN, SD, Manitoba, Verizon, AT&T, Federal Government
- LTE Integration via Critical Connect / Smart Connect
- Centralized Logging
- Mission Critical PTT via LTE

SIRN Today

Transitioning to the future



**NORTH DAKOTA
STATEWIDE
INTEROPERABLE
RADIO NETWORK**

PSAPs Preparing to Transition to 800Mhz

- Fleetmaps
 - Final Naming, how do we communicate, breaking old thought processes
 - Working with all agencies within your PSAP jurisdiction
 - Approval by every entity/department is needed
- Radio Reimbursement
 - HB 1146 – Amending language

SIRN Today Continued

Transitioning to the future



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PSAPs Preparing to Transition to 800Mhz Continued

- Radio Talkgroup Layouts
 - State minimums on all radios
 - How, what types of events, patching to make interoperability happen

OH1	OH2	OH3	01 LAW 1 HOME LE	01 LAW 2 HOME LE	01 FIRE/EMS Home Fire_EMS	01 LOCAL GOV HOME Local Govt	01 LOCAL MA Local MA	02 LAW 1 Adjacent LE	2LAW2	02 FIRE/EMS 1 Adjacent Fire	02 FIRE/EMS 2	03 STATE LAW1 State LE	03 STATE LAW2 State LE	03 STATE F/EMS State Fire_EMS	04 Other Other/Misc.	05 REGIONAL Regional Interop	05 STATE MA1 Statewide MA	05 STATE MA2 Statewide MA	5 NAT'L 700MA1 National MA (700)	5 NAT'L 700MA2 National MA (700)	5 NAT'L 800MA National MA (800)	5 NAT'L VHF MA National MA (VHF)
PURSUIT	PURSUIT	PURSUIT					## CW LE MA 1					00HP FG OPS1	SR 01 LE BD	00_FS REG A		ND NW MA HAIL	ND MA HAIL	ND MA HAIL	7CALL50	7CALL50_D	8CALL90	VCALL10
							## CW LE MA 2					00HP JN OPS1	SR 01 LE MW	00_FS REG B		ND NW PURSUIT	ND PURSUIT 1	ND MA 16	7TAC51	7TAC51_D	8TAC91	VTAC11
							## CW MA 3					00HP BK OPS1	SR 01 LE M	00_FS REG C		ND NW MA 01	ND PURSUIT 2	ND MA 17	7TAC52	7TAC52_D	8TAC92	VTAC12
							## CW MA 4					00HP DK OPS1	SR 02 LE ANN	00_FS REG D		ND NW MA 02	ND MA 03 E	ND MA 18	7TAC53	7TAC53_D	8TAC93	VTAC13
							## CW MA 5					00HP WN OPS1	SR 02 LE BRR	00_FS REG E	Examples:	ND NW MA 03	ND MA 04 E	ND MA 19	7TAC54	7TAC54_D	8TAC94	VTAC14
							## CW MA 6					00HP MT OPS1	SR 02 LE MPSV	00_FS REG F	<i>Hospitals</i>	ND NW MA 04	ND MA 05 E	ND MA 20	7TAC55	7TAC55_D	8CALL90_D	VFIRE21
												00HP DL OPS1		00_FS REG G	<i>ND/RCIT</i>	ND NW MA 05	ND MA 6	ND MA 21	7TAC56	7TAC56_D	8TAC91_D	VFIRE22
												00HP GF OPS1		00_FS REG H	<i>PWS</i>	ND NW MA 06	ND MA 7	ND MA 22	7GTAC57	7GTAC57_D	8TAC92_D	VFIRE23
												00BCI BK OPS1			<i>Game&Fish</i>	ND SW MA HAIL	ND MA 8	ND MA 23	7MOB59	7MOB59_D	8TAC93_D	VFIRE24
												00BCI DK OPS1		00_DOH OPS 1	DOH	ND SW PURSUIT	ND MA 9	ND MA 24	7LAW61	7LAW61_D	8TAC94_D	VFIRE25
												00BCI WN OPS1		00_DOH OPS 2	BCI	ND SW MA 01E	ND MA 10	ND MA 25	7LAW62	7LAW62_D		VFIRE26
														00_DOH OPS 3	Federal Agencies	ND SW MA 02	ND MA 11	ND MA 26	7FIRE63	7FIRE63_D		VMED28
														00_DOH OPS 4		ND SW MA 03	ND MA 12	ND MA 27	7FIRE64	7FIRE64_D		VMED29
														00_DOH OPS 5		ND SW MA 04	ND MA 13	ND MA 28	7MED65	7MED65_D		VLAW31
														00_DOH OPS 6		ND SW MA 05	ND MA 14	ND MA 29	7MED66	7MED66_D		VLAW32
																ND SW MA 06	ND MA 15	ND MA 30	7DATA69	7DATA69_D		SAR NFM

SIRN HISTORY

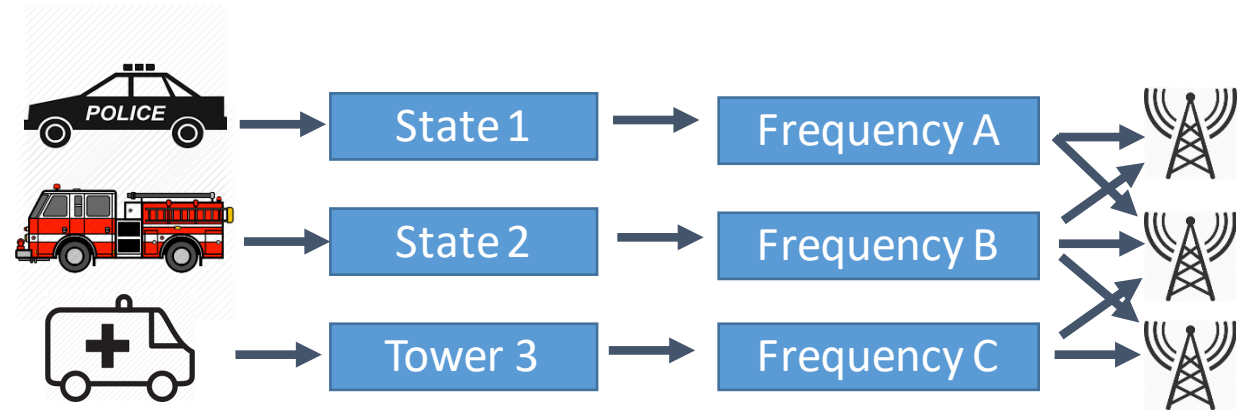
CONVENTIONAL VS TRUNKING



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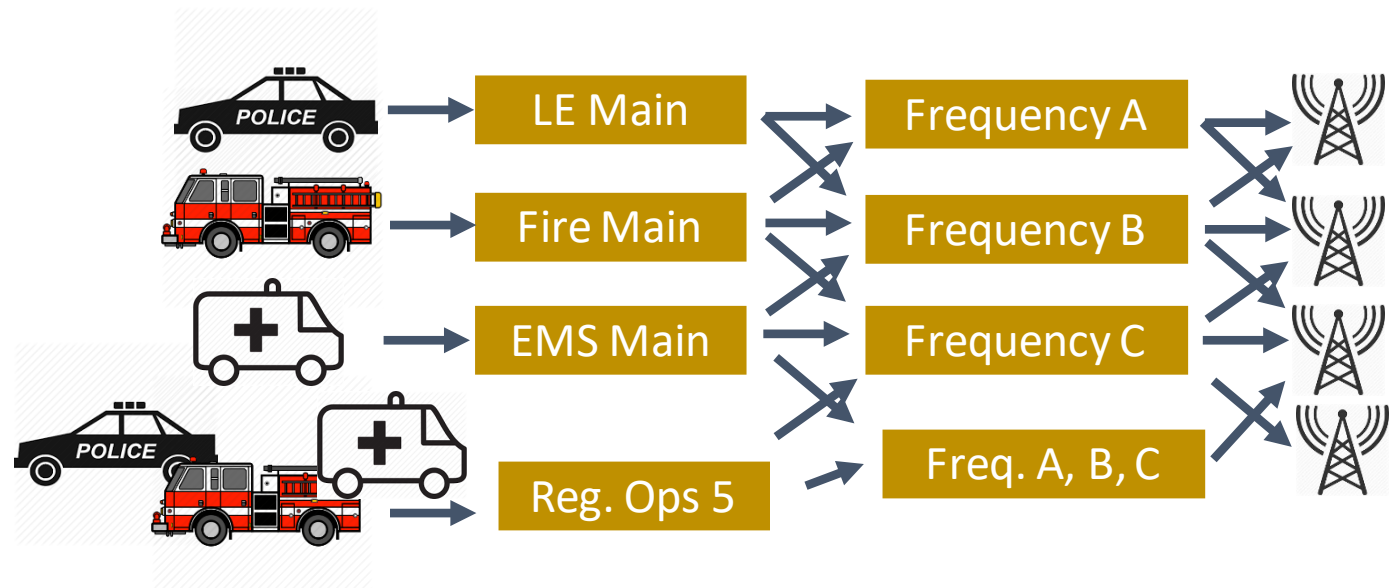
Conventional Radio System:

- User chooses a frequency
- Bound to a specific set of towers
- Assigned to a specific purpose



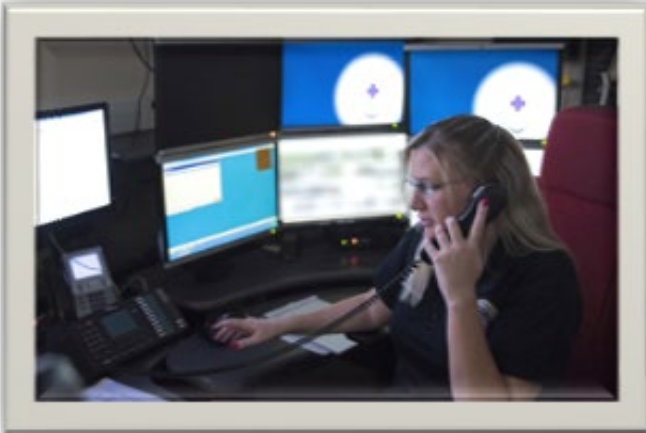
Trunked Radio System:

- User chooses a specific talk group
- Assigned to a specific purpose
- Not bound to a frequency
- Not bound to a specific set of towers
 - System programmable
- Can be local, county, regional, state, federal



HOW SIRN TG's WORKS

Dispatcher at PSAP sends
message to responders



LTE Main



Trauma 1

LE Main - Encrypted



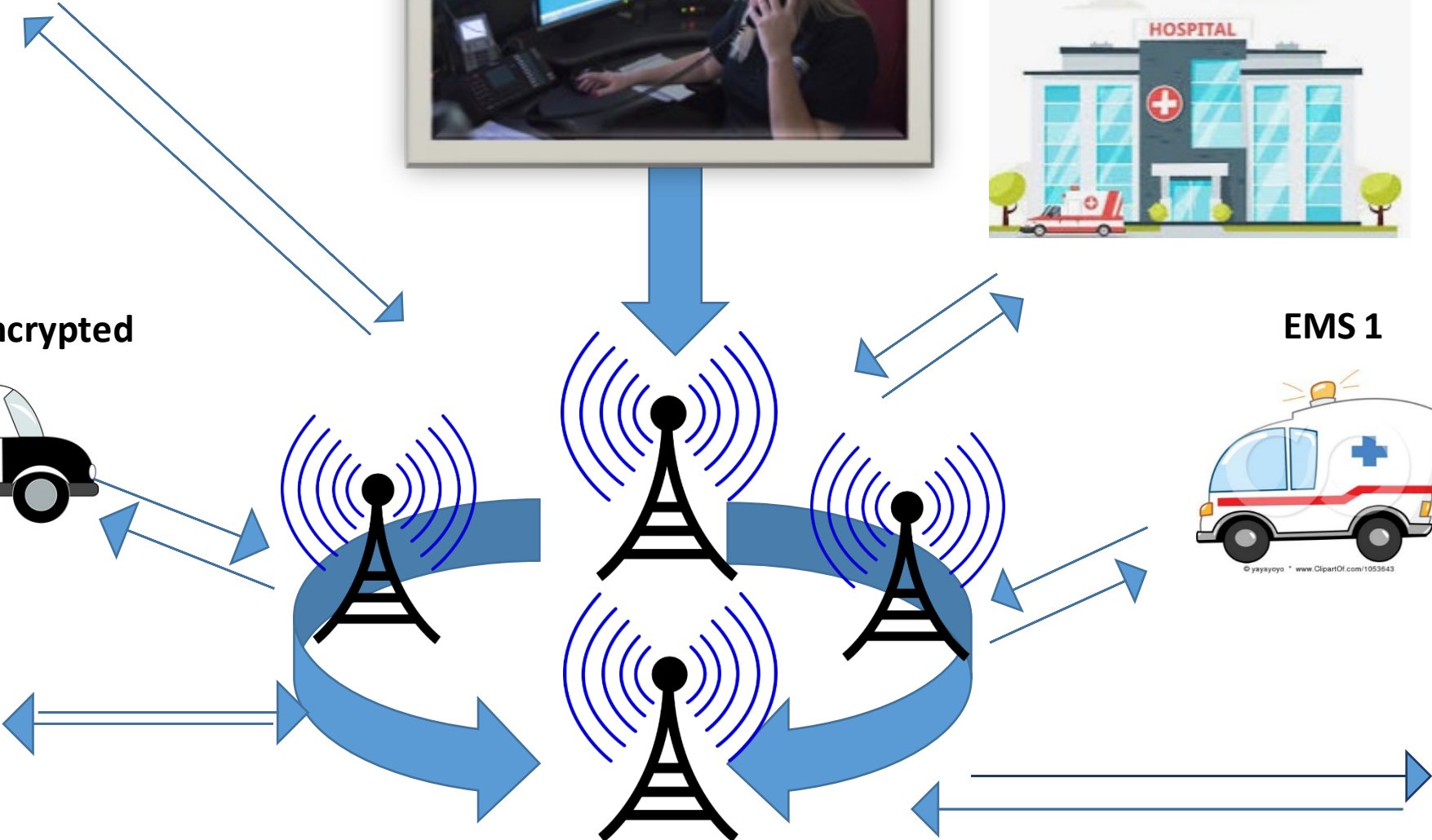
FIRE 1



EMS 1



HP

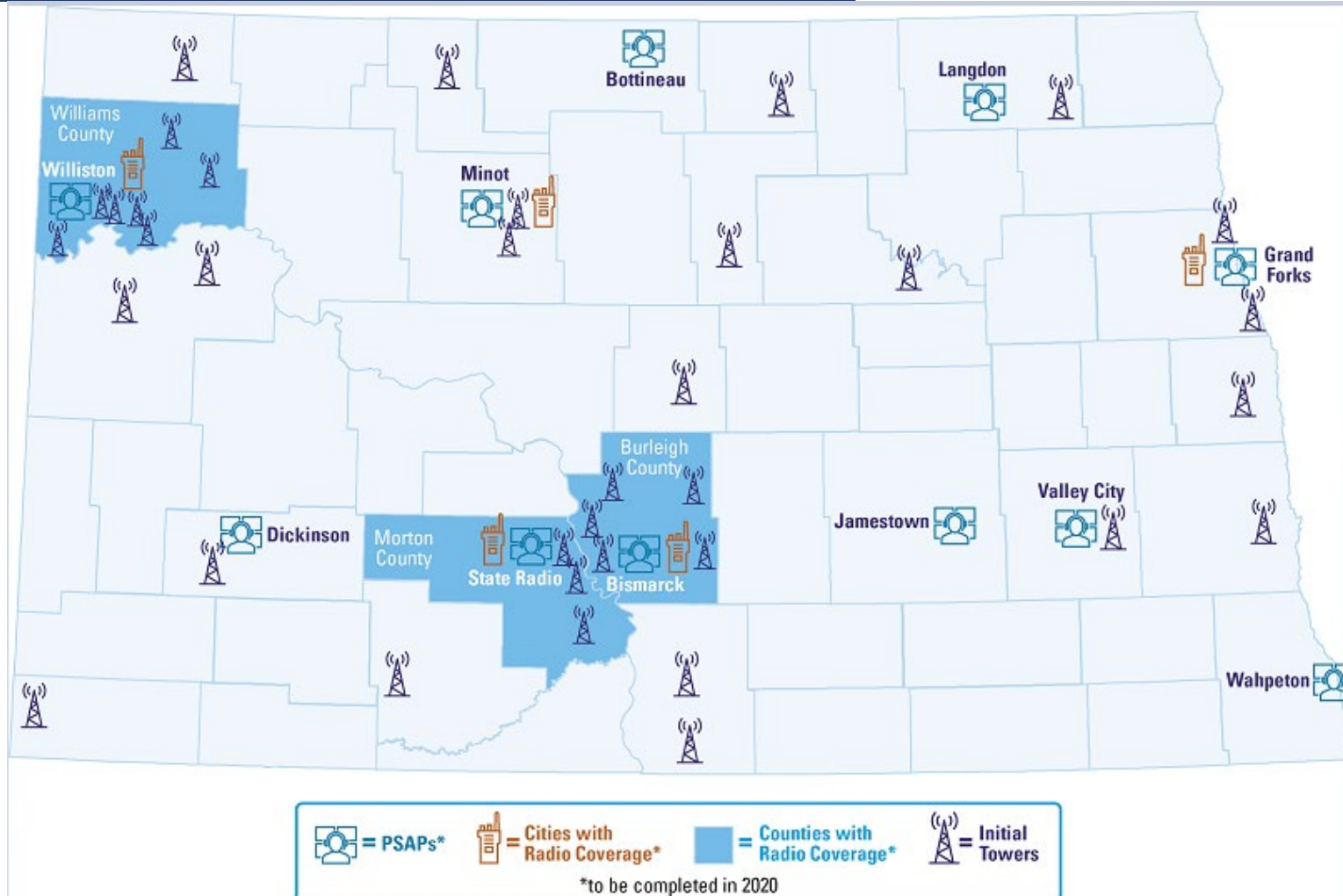


SIRN

Project Status – Link on SIRN2020.nd.gov



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SIRN

GOVERNANCE & POLICY



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- Workgroups developing standards which are then reviewed/approved by Subcommittee / SIEC
 - [SIRN Standards Page](#)
 - [Governance Page](#)



SIRN Today, Tomorrow and beyond



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SIRN 2020 into the future...

- Interoperability with MN, SD, Manitoba, Verizon, AT&T, Federal Government
- LTE Integration via Critical Connect / Smart Connect
- Centralized Logging

- LTE (Mission Critical Push to Talk (MCPTT))
 - Not meant to replace LMR, but augment
 - Cost Savings on Admin staff and benefits
- Centralized Logging LRM
 - Local recorder for 911/admin lines
- Other Technologies



SIRN2020.ND.GOV

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SIRN 20/20

[SIRN2020.nd.gov](https://www.sirn2020.nd.gov)

Recent news

[SIRN Buildout & Transition](#) (January 2022)

[SIRN 101 Presentation](#) (October 2020)

[Project Status as of January 2022](#)

[Project Status as of December 2021](#)

[Project Status as of November 2021](#)

[SIRN - Infographic](#)

2021 PSAP Replacement Schedules: Pending Replan

2021 Tower / RF schedules: Pending Replan

[Televate Landscape Survey Summary Report](#) and [SIEC Briefing](#)

2021

- 75% of Dispatch Centers Upgraded to new Consoles
- 66% of Mobile Buildout Completed
- 3 Dispatch Centers Transitioned to 800Mhz (Williston, Grand Forks, Minot)



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