

Allied Radio Matrix for Emergency Response Standards, Protocols, Procedures

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|--------------------------|---------------------------------------------|----------------------------------------------------------|
| Document Section: | 3- Interoperability Standards | Status: NWRAC Approved 6/14/17 |
| Sub-Section: | NW 3.46.0 | |
| Procedure Title: | Utilization of NW Angle Inlet 8TAC93 | NWECB Approval: NW ECB Approved 7/12/17 |
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1. Purpose or Objective

To establish policy & procedures for use of the NW Angle Inlet 8TAC93 repeater. Included within this Standard are guidelines on establishing, maintaining, deactivating, and testing radio patches between the 8TAC93 conventional interoperability resource and NW regional ARMER talkgroup. The policy and procedures are intended to guide day to day operability, as well as regional, state, and international interoperability.

2. Technical Background:

▪ Capabilities:

The NW Angle Inlet 8TAC93 conventional repeater provides 800 MHZ coverage in northern Lake of the Woods County where ARMER trunked system coverage is limited or nonexistent.

8TAC93 is a national/international interoperability channel. 8TAC93 is capable and permissible for Canadian public safety users to utilize the repeater operation for interoperability purposes.

▪ Constraints:

- 8TAC93 is not capable of encryption
- 8TAC93 is not capable of Radio ID or Emergency button operation
- 8TAC93 user radio coverage is limited to the geographic RF coverage of repeater site (NW Angle Inlet)
- Utilization of 8TAC93 may affect ARMER user radio scanning functionality
- Plain language must be used when utilizing 8TAC93 repeater. No 10 Codes
- NW Angle ARMER talkgroup operation is limited to Minnesota ARMER radio system coverage NW agencies
- When radio resources are patched, a short delay in making the connection is a common shortcoming of all patches. Care must be taken to pause after pushing the Push-to-Talk (PTT) button and before speaking.
- No non State Patrol consoles shall patch any resources to 8TAC93 or NW Angle talkgroup without prior coordination with State Patrol Dispatch. (To prevent feedback issues)

3. Operational Context:

The 8TAC93 NW Angle conventional resource allows users to communicate locally. Additionally, 8TAC93 is available on ARMER Network MCC7500 consoles. Functionality on the ARMER network, when patched to a dedicated NW Regional ARMER talkgroup expands communication coverage outside of the NW Angle Inlet geographic area.

The radio patch detailed in this standard will allow voice operability and interoperability for ARMER users within the NW region of Minnesota as well as ARMER MCC7500 consoles.

The radio patch host shall be Minnesota State Patrol Dispatch. (MSP DSP) MSP DPS shall “permanently” host a “soft patch” on the radio console between 8TAC93 NW Angle (conventional resource) and NW Angle (ARMER Talkgroup). Additionally, MSP DSP has the authority and capability to add local or statewide ARMER resources into established patch configuration during a planned or unplanned event. Patched resources shall be noted in Statusboard.

4. Recommended Protocol/ Standard:

8TAC93- NW Angle

| Channel Requirements | For Whom? | |
|-----------------------------------------------|----------------------------------------------------------------------------------|----------------------|
| Required | All ARMER user Radios; MSP Dispatch | |
| Highly Recommended | Roseau and Lake of the Woods County ARMER radios, NW Regional STR Portable Cache | |
| Recommended | | |
| Optional | | |
| Not Allowed | | |
| Cross Patch Standard | Yes/No | To Talk Group |
| Soft Patch | Yes | NW Angle ARMER TG |
| Hard Patch | No | |
| | | |
| Managed via "Status Board" Application | No | |

NW Angle (ARMER Talkgroup)

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|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Talkgroup Requirements | For Whom? | |
| Required | Roseau and Lake of the Woods County PSAP's; MSP Dispatch | |
| Highly Recommended | Roseau and Lake of the Woods County ARMER radios, NW Regional STR Portable Cache | |
| Recommended | Any local, state or federal agency who responds in NW Angle Inlet. (EX US Customs & Border Patrol, DNR Enforcement, DNR Forestry, etc). | |
| Optional | | |
| Not Allowed | | |
| Cross Patch Standard | Yes/No | To Talk Group |
| Soft Patch | Yes | 8TAC93-NW Angle |
| Soft Patch | Optional | Statewide TG, Local TG |
| Hard Patch | No | |
| | | |
| Managed via "Status Board" Application | | Yes |

5. Recommended Procedure:

The Request and assignment of additional ARMER resources shall be completed through the controlling PSAP. An appropriate 800 MHz dispatch center capable of assigning the resource, shall use the "Status Board" application to identify and assign the appropriate ARMER resource as "in use".

6. Management

The NW ESB System Administrator will be responsible for managing the NW Angle talkgroup.

PSAP and Law Enforcement personnel shall receive initial and continuing training on the use of this standard.