

# METRO REGION

## 800 MHz Trunked Regional Public Safety Radio System Standards, Protocols, Procedures

Document/ Section:	<b>3. Interoperability Guidelines</b>	Radio TOC Recommendation
Sub-Section:	<b>METRO 3.34.0</b>	Date: 4/22/09
Procedure Title:	<b>Metropolitan Region Cache Radio Standard Programming</b>	
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**1. Purpose and Objective:**

To establish policy & procedures for the programming and use of metro region ARMER system cache radios to promote consistency of use and to minimize usage conflicts when an interoperability talk group is needed for an event.

The cache radios are to be a metro-wide resource to facilitate communications between agencies that typically do not communicate with each other on a regular basis or may have a shortage of radios for a large scale or mutual aid incident. These radios are typically reserved for use for intercommunication when coordination of activities between personnel of different agencies is needed for an incident or event.

**2. Technical Background:**

- **Capabilities -**  
Shared interoperability talkgroups exist for the purpose of providing communications within and among ARMER system radio users. These talkgroups can be programmed into user radios including cache radios. .
  
- **Constraints –**  
ARMER system radios have a finite number of programmable talkgroups. In many ARMER radios these talkgroups are organized into zones. Some ARMER radios have fewer zones than others. Recommendations for the standardization of zones of interoperable talkgroups in cache radios are difficult when different types of radios are part of the radio cache.

**3. Operational Context:**

The following table shows zones that are highly recommended and 1 zone that is Optional.

It is important when radios are deployed to make sure that users are not changing the assigned zone. It is not permissible to have one branch of public safety / public service use a zone not assigned.

For cache radios having fewer than five zones it is recommended that as many as possible of the talkgroups in the zones listed below be programmed into the radios.

**All SOAs can be used in the State of Minnesota only.**  
**The ATACs and PTACs listed are Metro Region only.**

**4. Recommended Protocol/ Standard:****Talk Group requirements:**

Position	ICE	ICF	ICL	ICP	CONVENTIONAL
1	CHOICE	CHOICE	CHOICE	CHOICE	CV-8CALL90R
2	ETAC1	FTAC1	LTAC1	ATAC1	CV-8TAC91R
3	ETAC2	FTAC2	LTAC2	ATAC2	CV-8TAC92R
4	ETAC3	FTAC3	LTAC3	ATAC3	CV-8TAC93R
5	ETAC4	FTAC4	LTAC4	ATAC4	CV-8TAC94R
6	STAC1	STAC1	STAC1	STAC1	CV-8CALL90D
7	STAC2	STAC2	STAC2	STAC2	CV-8TAC91D
8	STAC3	STAC3	STAC3	STAC3	CV-8TAC92D
9	STAC4	STAC4	STAC4	STAC4	CV-8TAC93D
10	PTAC1	PTAC1	PTAC1	CHOICE	CV-8TAC94D
11	PTAC2	PTAC2	PTAC2	CHOICE	CV-ASOA-1
12	PTAC3	PTAC3	PTAC3	CHOICE	CV-ASOA-2
13	PTAC4	PTAC4	PTAC4	CHOICE	CV-PSOA-1
14	CHOICE	CHOICE	CHOICE	CHOICE	CV-PSOA-2
15	PSOA 1	PSOA 1	PSOA 1	CHOICE	CV-FSOA-1
16	ASOA 1	ASOA 1	ASOA 1	ASOA 1	CV-FSOA-2

<b>Requirements</b>	<b>For Whom?</b>
Mandatory	None
Highly Recommended	800MHz cache radios–Branch Specific Incident Command Zones
Optional	National Zone
Not Allowed	N/A

**Cross Patch Standard:**

**Refer to individual talkgroup Standards for patching availability.**

**5. Recommended Procedure:**

Cache radios capable of five or more zones should be programmed consistent with the talkgroup requirements specified in Section 4. Radios with fewer than five zones should be programmed with as many as possible of the talkgroups listed in Section 4.

Cache radios should be issued with the appropriate service branch zone enabled.

Cache radios should be reported in the TIC Plan.

**Fleetmap documentation must be included with the radio cache for deployment purposes.**

**6. Management:**

**System managers and sub-system managers are responsible for the proper programming and reporting of cache radios as specified above.**

**Communications Leaders (COMLs) or their designee(s) are responsible for the enabling of the appropriate service branch zone when cache radios are disbursed at a critical incident.**