

# 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>	
Date Established:	<b>3/4/09</b>	MESB Approval - Signature:
Replaces Document		
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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:**

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 three 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.

**4. Recommended Protocol/ Standard:**

**State**

Talkgroup requirements:

<b><u>Requirements</u></b>	<b><u>For Whom?</u></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.

\*Denotes required zone

<b><u>Statewide Interop*</u></b>			<b><u>Conventional Interop*</u></b>		
Zone Display Name	Channel Selector	Channel Display Name	Zone Display Name	Channel Selector	Channel Display Name
MN	1	STAC1	8C	1	8CALL90
MN	2	STAC2	8C	2	8TAC91
MN	3	STAC3	8C	3	8TAC92
MN	4	STAC4	8C	4	8TAC93
MN	5	STAC5	8C	5	8TAC94
MN	6	STAC6	8C	6	8CALL90D
MN	7	STAC7	8C	7	8TAC91D
MN	8	STAC8	8C	8	8TAC92D
MN	9	STAC9	8C	9	8TAC93D
MN	10	STAC10	8C	10	8TAC94D
MN	11	STAC11	8C	11	8SOA1
MN	12	STAC12	8C	12	8SOA2
MN	13	STAC13E**	8C	13	8SOA3
MN	14	STAC14E**	8C	14	8SOA4
MN	15		8C	15	FSOA1***
MN	16		8C	16	FSOA2***

\*\*STAC 13E and STAC 14E are required in those radios equipped with Data Encryption Standard (DES).

\*\*\*FSOA1 and FSOA2 are restricted to Fire and Emergency Medical Service (EMS) radios only.

All cache radios in the metropolitan region are *highly recommended* to have the following zone programmed:

<b>Metro Regional Interop Zone</b>		
Zone Display Name	Channel Selector	Channel Display Name
ME	1	MSP CALL
ME	2	ME TAC1
ME	3	ME TAC2
ME	4	ME TAC3
ME	5	ME TAC4
ME	6	ME TAC5
ME	7	ME TAC6
ME	8	ME TAC7
ME	9	ME TAC8
ME	10	ME TAC9
ME	11	ME TAC10
ME	12	ME TAC11E****
ME	13	ME TAC12E****
ME	14	
ME	15	
ME	16	

\*\*\*\*Encrypted, Law Enforcement Radio Cache’s only

**5. Recommended Procedure:**

Cache radios capable of three or more zones should be programmed consistent with the talkgroup requirements specified in Section 4. Radios with fewer than three 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.

Channels 1 and 16 in the ME Zone can be left to local choice (ex: agency main).

**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.