

# Metro Region ARMER Standards

## Section 3 – Metro 3.34.0 Metropolitan Region Cache Radio Standard Programming

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### 1. Purpose or Objective

To establish policy and 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 talkgroup 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.

All scene of action (SOA) channels can be used in the State of Minnesota only.

### 4. Recommended Protocol/Standard

#### State

#### Talk Group Requirements:

Requirements	For Whom?
Mandatory	None
Highly Recommended	800 MHz cache radios-Branch Specific Incident Command Zones
Optional	National Zone
Not Allowed	None

#### Cross Patch Standard:

Refer to individual talk group standards for patching availability.

\*Denotes required zone

<b>Statewide Interop*</b>			<b>Conventional Interop*</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	STAC 9	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:

**Metro Regional Interop Zone**

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	
ME	1	Open/Agency Choice
ME	2	ME LSEC 02E*
ME	3	ME LSEC 03E
ME	4	ME LSEC 04E
ME	5	ME LSEC 05E
ME	6	ME LSEC 06E
ME	7	ME LSEC 07E
ME	8	ME LSEC 08E
ME	9	ME LSEC 09E
ME	10	ME LSEC 10E
ME	11	ME LSEC 11E
ME	12	ME LSEC 12E
ME	13	ME LSEC 13E
ME	14	ME LSEC 14E
ME	15	ME LSEC 15E
ME	16	Open/Agency Choice

\*\*\*\* Encrypted Radio Caches Only

\*All ME LSEC Talkgroups are Encrypted, Law Enforcement Radio Caches 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.

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).

ME LSEC 2E-9E are DES capable; ME LSEC 10E-15E are AES capable.

## 6. Management

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

Communication 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.