

Sub-Regional Talkgroups Formal Request

Who is making request?

Agencies Making Request- **WestCom, Polk County, City of Des Moines**

Agency Point of Contact – **Rob Dehnert, Brent Long, Paul Andersen**

The number of public safety and public service agencies within its service area utilizing the talkgroups. **25+**

Des Moines (2)	Polk County (29)	Westcom (11)
Des Moines FD Des Moines PD	Altoona Fire Department Altoona Police Department Ankeny Fire Department Ankeny Police Department Bondurant Fire Department Camp Dodge Fire Department Camp Dodge Security Delaware Twp Fire Department Elkhart Fire Department Granger Fire Department Johnston Police Department Johnston/Grimes Fire Department Mitchellville Fire Department Mitchellville Police Department Pleasant Hill Fire Department Pleasant Hill Police Department Polk City Fire Department Polk City Police Department Polk County Attorney’s Office Polk County Conservation Polk County Medical Examiner’s Office Polk County Sheriff’s Office Probation and Parole for State of Iowa 5th Judicial District Runnells Fire Department Saylor Twp Fire Department U.S. Army Corps of Engineers U.S. Marshal’s Office Windsor Heights Fire Department Windsor Heights Police Department	Clive FD Clive PD Norwalk FD Norwalk PD Urbandale FD Urbandale PD Waukee FD Waukee PD West Des Moines EMS West Des Moines FD West Des Moines PD

Approximate number of subscribers that could use these talkgroups **2000+ there is the potential for 6,700 users per FCC licensing and issued subscribers.**

Other Agencies involved – **Anyone (local, state, federal) seeking to interoperate in the Des Moines metro agencies served by Des Moines, Polk County or WestCom Communication Centers.**

It is the desire of the requester(s) that these talkgroups be managed by - **State (talkgroup and fleetmap)**

Describe other if selected - **NA**

What is being requested?

How many talkgroups are being requested **9**

How will these talkgroups be designated?

Call - **1**

Tactical – **8** of these, how many are Encrypted - **0**

Proposed Names of Talkgroups - The Des Moines Metro suggestions to build upon existing naming conventions. This suggestion is logical, scalable and in the spirit of existing nomenclature.

- State single (IACALL**1**),
- Region double with the first number identifying the region (R1CALL**11**),
- Sub-region triple (SRCAL**111**) {CALL shortened to CAL to stay within 8 characters}
 - 1st digit - increment number of sub-regional zones in that particular region
 - 2nd digit - Region sponsoring or where the most area is for the sub-regional need is located. May need a miscellaneous region (0), should a region id make the name unclear. Will be considered and driven by situations requested.
 - 3rd digit - increment for needed talkgroups (click on radio dial)
- There may be a need to have a use or geographic descriptor for the sub-regional talkgroups that the nomenclature makes challenging. This is resolved with the Zone name. Rules here should open ended as the need for sub-regional talkgroups could be varied (within or across regions, within or across counties or any combination thereof)

Zone name – **Metro 77**

SRCALL111

SRTAC112

SRTAC113

SRTAC114

SRTAC115

SRTAC116

SRTAC117

SRTAC118

SRTAC119

Where will these talkgroups be used?

Which ISICS sites do these talkgroups need access to? **None**

Which local enhancement sites do these talkgroups need access to? **West Des Moines /DSM Simulcast cell**

To have these talkgroups on local sites often agreements are needed. Agreements for all agencies involved with this sub-regional talkgroups are **IN PLACE**

When with these talkgroup be used?

How often do you anticipate using these talkgroups? **Daily**

Describe when these requested sub-regional talkgroups will be used –

- Provide ICS 205's from past events if available.
- Present the use case
- Tell your story why you are making this request

Need for Sub-Regional Talkgroups

The use case for sub-regional talkgroups is to ensure that there are enough talkgroups in Region 1 for all of Region 1 and Call channel traffic is relevant to the region.

Region 1

- **16 counties,**
- **Population 975,988**
- **20 of the States top 50 most populous cities are in Region 1,**
- **Home to**
 - **Iowa State University,**
 - **Drake University,**
 - **State Fair Grounds,**
 - **Iowa Speedway,**
 - **Adventureland Amusement Park,**
 - **Iowa Events Center,**
 - **State Capitol,**
 - **miles of trails,**
 - **numerous State Parks,**
 - **and local festivals too numerous to mention**

For a comparative perspective here are the Regions populations (Census 2018 est.)

Region 1	975,988	
Region 2	269,782	
Region 3	317,358	
Region 4	263,659	
Region 5	340,209	
Region 6	978,715	

The population served by the Des Moines, Polk County & WestCom Communication Centers is 549,644 or 56% of Region 1’s population and larger than most other Regions in the State based on population.

Currently, Region 1 has 6 Tac channels. The busiest day in recent history had 3 of these Tac channels in use simultaneously; Vice President Pence, Test Iowa, COVID.

Then we experienced nationwide peaceful protests and civil unrest events resulting from the death of George Floyd while in Minneapolis Police custody when Region 1 had only 1 available regional tactical talkgroup available. For a time there were no available Region 1 talkgroups as Carroll County had a domestic call in a neighboring county that required interoperability. They patched operable talkgroups to R1TAC15 for as minimal amount of time as necessary, since they knew all regional resources were in use. It is not the desire to limit interoperable communications due to lacking resources availability.

Resource	Current Owner	Current Status	Current Administration Notes
R1 TAC12	Robby Johannesen (Iowa DPS)	Resource In Use	Des Moines Protest Operations - DM Controls Patch to DMPD TAC9- STR TRAILER IS ALSO PATCHED INTO TAC 12 WITH ACU
R1 TAC13	Chris Maiers (ISICSB)	Resource In Use	Civil unrest operations in Polk County. Patched into Polk County SO TAC9 (SARA Network) at Polk Co SO.
R1 TAC14	Dallas County Seat 1 (Dallas County)	Resource In Use	DALLAS COUNTY SHERIFF JORDAN CREEK MALL PROTESTERS
R1 TAC15		Resource Available	
R1 TAC16	Chris Maiers (ISICSB)	Resource In Use	COVID-19. May be used for drive through testing and patched to IDPH talkgroup to assist with local response. Call 515-201-7478 with questions.

With the City of Des Moines becoming operable and interoperable on ISICS this fall, all of the Des Moines Metro interoperability needs will look to the ISICS platform for resources. All agencies served by the three communications centers will finally be able to interoperate on a properly resourced and sized system.

Considering how local special needs for interoperability can quickly consume available resources, there is also the need to conduct day-to-day business. The Metro’s regular need for day-to-day interoperability is great and is something we have been working on for the last 20+ years. The ISICS platform is expected to solve this nagging problem and has performed

exceptionally well during the protests and civil unrest experienced within the Des Moines Metro.

Looking back one-year (March 2019 – March 2020) the Metro’s need for interoperability is as follows: *this data was collected from all 3 PSAPS in Polk County and has been deduplicated as much as possible. All data points represent an event where multiple agencies (Local, State, Federal or multi discipline) had the need to communicate on the same event. There is no consideration for the number of talkgroups necessary as most will require only 1 talkgroup, however there are some events such as the State Fair that will require more.*

Grouping	2019	2020	Grand Total
Chase	1	3	4
DMFD	80	7	87
Drake University	14	3	17
Drone	3	2	5
FDEMS - west	318	75	393
Fire Polk	6	2	8
Iowa Event Center/Wells Fargo Arena	121	55	176
Metro STAR/HLS/Bomb	74	19	93
Narcotics Unit	567	60	627
PD - west	2183	454	2637
Special Events	34		34
Traffic	2	1	3
Grand Total	3403	681	4084

For the Metro agencies, on average there are 10 interoperability calls per day with the 90th percentile being 16 incidents per day.

In addition, the number of broadcasts on R1Call11 would substantially decrease. For the month of May, Metro Communication Center use of R1Call11 accounted for 14% of all broadcast time. The only agency with more talk time is the State (DPS, ISP, DOT). The Des Moines Communication Center alone has about 6000 broadcasts annually for situational awareness for an average of 16 per day. While not all of this traffic goes away with a sub-regional call talkgroup, the traffic becomes more relevant to the region vs. local need for situational awareness.

Considering the population served, number of events, number of first responders and the duration of these events we believe Region 1 is best served by having Sub-Regional talkgroups for the Des Moines Metro’s Interoperability needs.

Access and Footprint of the Metro's Sub-Regional Talkgroup

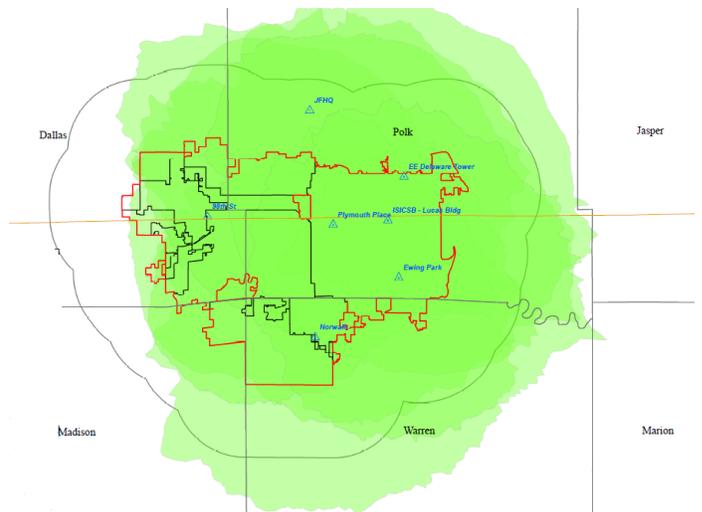
Access to the proposed sub-regional talkgroups would be the same as all other regional talkgroups. They are available to all ISICS users. We propose that they be optional but available to all that desire to program their radios with the collection of sub-regional talkgroups.

The proposal is for the Des Moines Metro's Sub-Regional talkgroups to be available on the West Des Moines simulcast ring. This provides the basic coverage needed for most of the Metro events. As the simulcast ring is enhanced over time or local operational coverage is enhanced these talkgroups would be included on those sites.

The cell is comprised of the following towers providing coverage –

- **JFHQ**
- **98th Street, West Des Moines**
- **Norwalk**
- **Plymouth Place, Des Moines**
- **Ewing Park, Des Moines**
- **Lucas, Des Moines**
- **Delaware, Des Moines**

These same towers are used for West Des Moines and Des Moines operational talkgroups.



Use of the Sub-Regional Talkgroups

The sub-regional talkgroups are subject to all ISICS policy and a procedure that addresses use of Regional Talkgroups and other specific uses i.e. pursuits.

Describe how these talkgroup will be recorded –

Each Communication Center will be recording their transmissions on these 9-talk groups