
State of Kansas Radio Communications Mutual Aid Reference Guide



This Reference Guide explains the use of the State of Kansas Mutual Aid System.

Public Safety users on any frequency can be connected to other Public Safety users on a different frequency through the mutual aid channel in their radios by a MOTOBIDGE system installed on Kansas Department of Transportation radio towers.

This Reference Guide gives the procedure to be used to request the connections through Kansas Highway Patrol Central Dispatch.

State of Kansas Mutual Aid Frequencies

Motobridge

<u>800 MHz</u>	Mobile	Repeater	PL Tone	<u>UHF</u>	Mobile	Repeater	NAC
8CALL90	806.0125	851.0125	5A	UCALL40	458.2125	453.2125	5A
8TAC91	806.5125	851.5125	5A	UTAC41	458.4625	453.4625	5A
8TAC92	807.0125	852.0125	5A	UTAC42	458.7125	453.7125	5A
8TAC93	807.5125	852.5125	5A	UTAC43	458.8625	453.8625	5A
8TAC94	808.0125	853.0125	5A				
<u>VHF *</u>				<u>Low Band *</u>			PL Tone
VCALL10	155.7525	155.7525	5A	LCALKS	39.58		5A
VTAC11	151.1375	151.1375	5A	LTACKS	39.70		5A
VTAC12	154.4525	154.4525	5A				
VTAC13	158.7375	158.7375	5A				
VTAC14	159.4725	159.4725	5A				

*Simplex channels only

EVENT CHANNELS

The label is the Troop designation plus the event channel number.

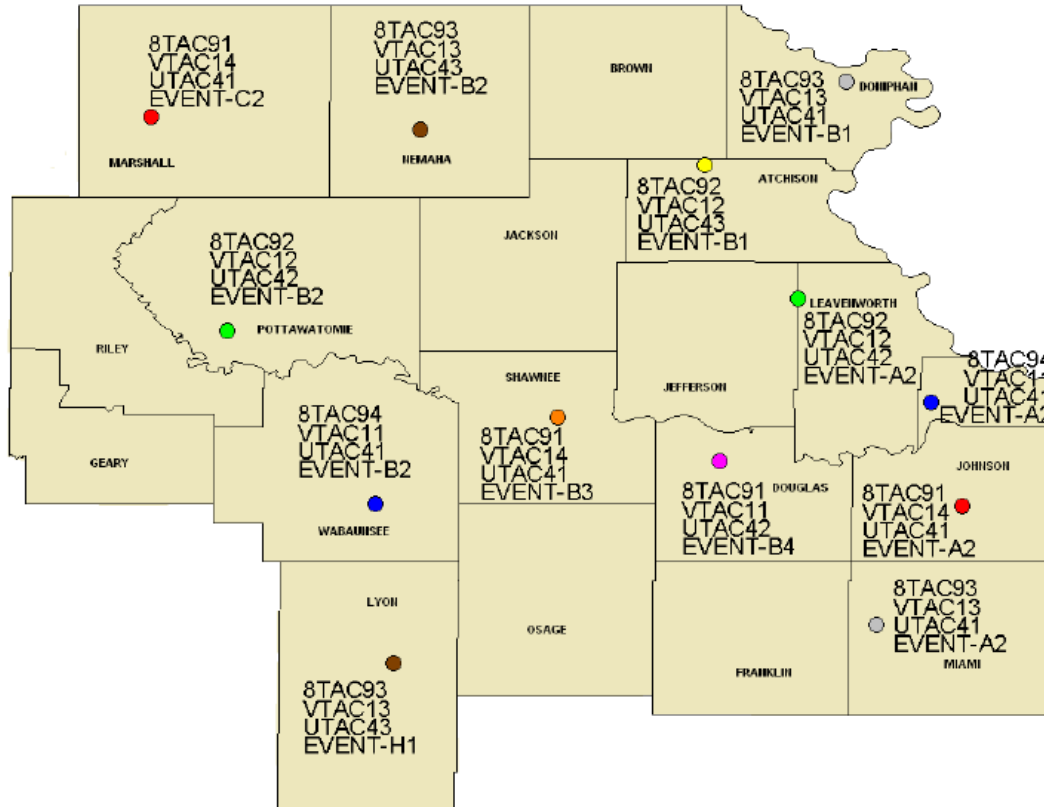
EVENT C2= Troop C, Event Channel 2



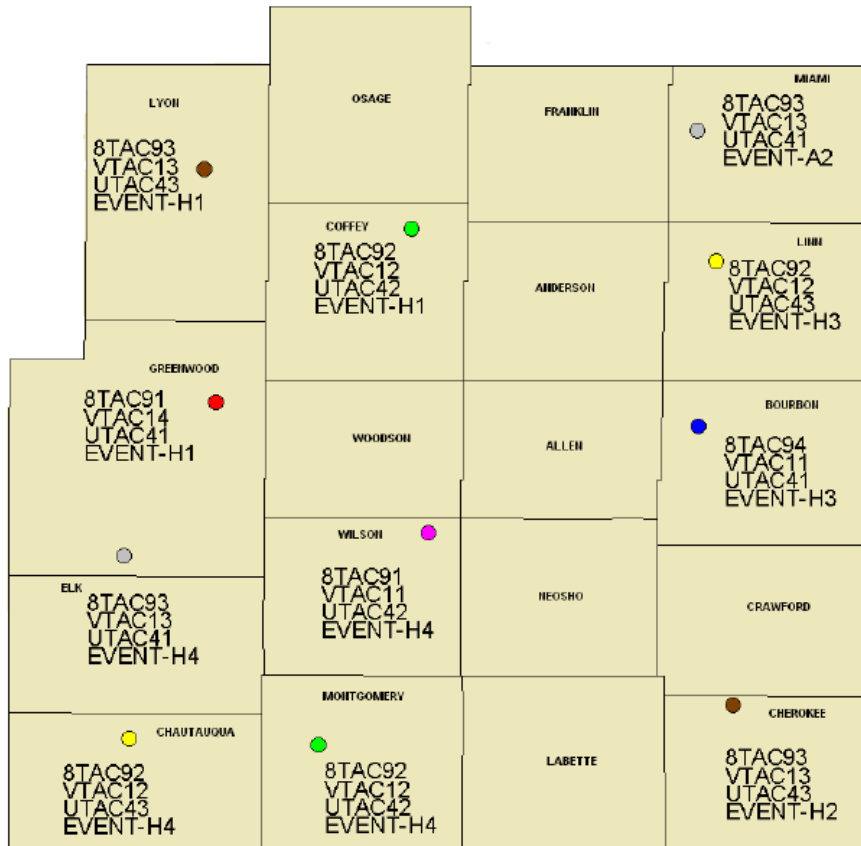
Request for MOTOBRIDGE Channel Assignment

- 1.) Originating caller contacts KHP Dispatch on Radio Call-In channel and identifies their county location.
- 2.) Originating caller requests radio patch to other user. (Caller must provide KHP Dispatch with users TAC bands and locations needing patched together. For example, Shawnee Co. VHF to Shawnee Co. 800.)
- 3.) KHP Dispatch patches the requested channels together through the MOTOBRIDGE console.
- 4.) KHP will then contact the users on the Call-In channels advising them the TAC channels are patched and ready for use.
- 5.) Originating caller completes intended communication with targeted user.
- 6.) Originating caller contacts KHP Dispatch on Radio Call-In channel to cancel the MOTOBRIDGE patch.

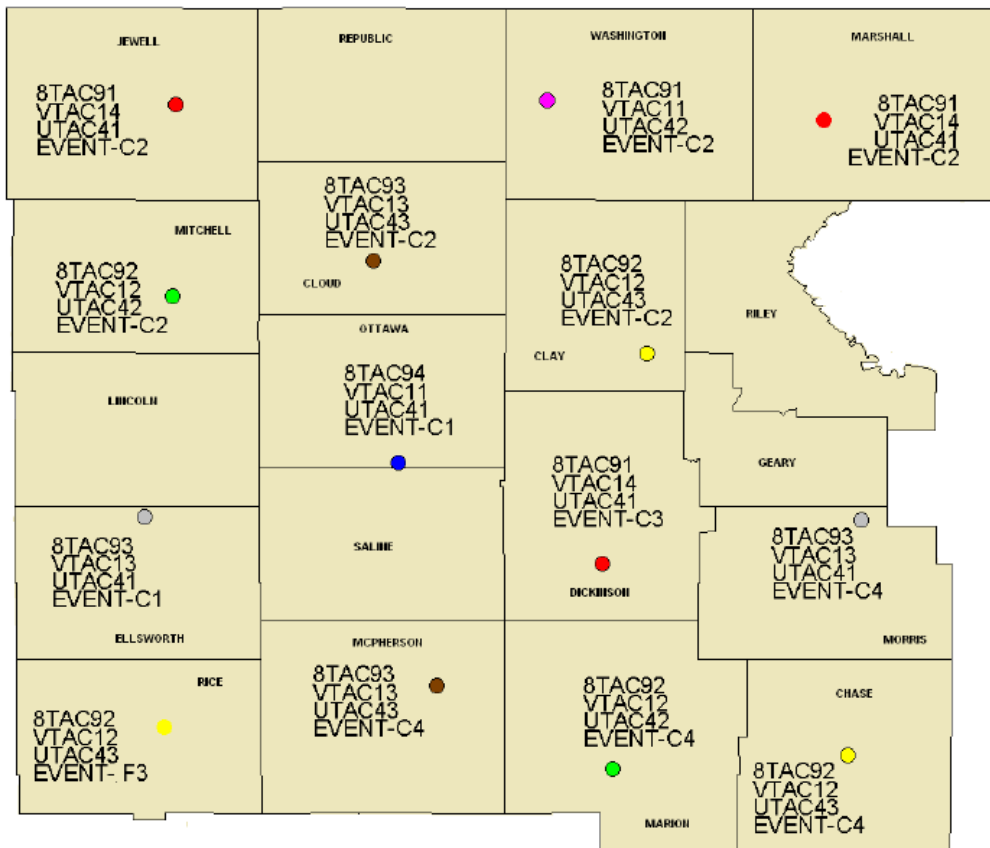
Northeast Kansas Mutual Aid Channels



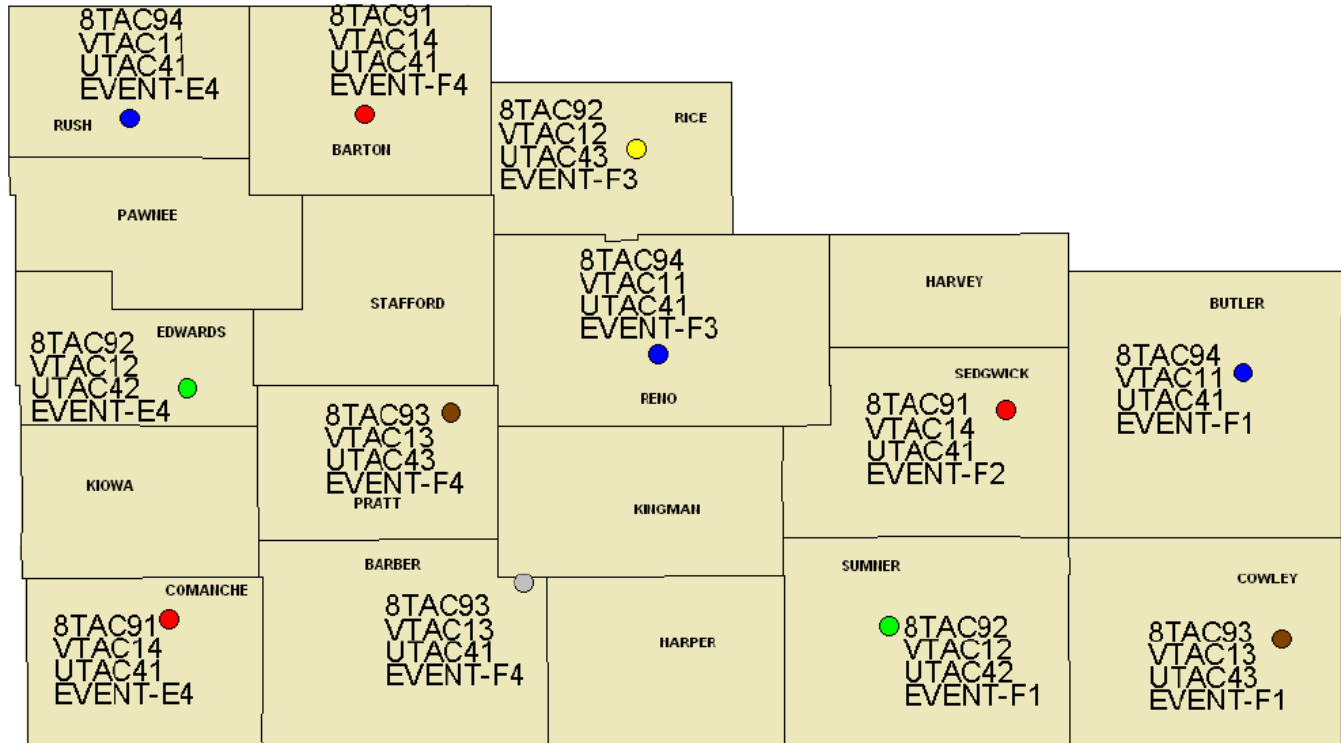
Southeast Kansas Mutual Aid Channels



















North Central Kansas Mutual Aid Channels



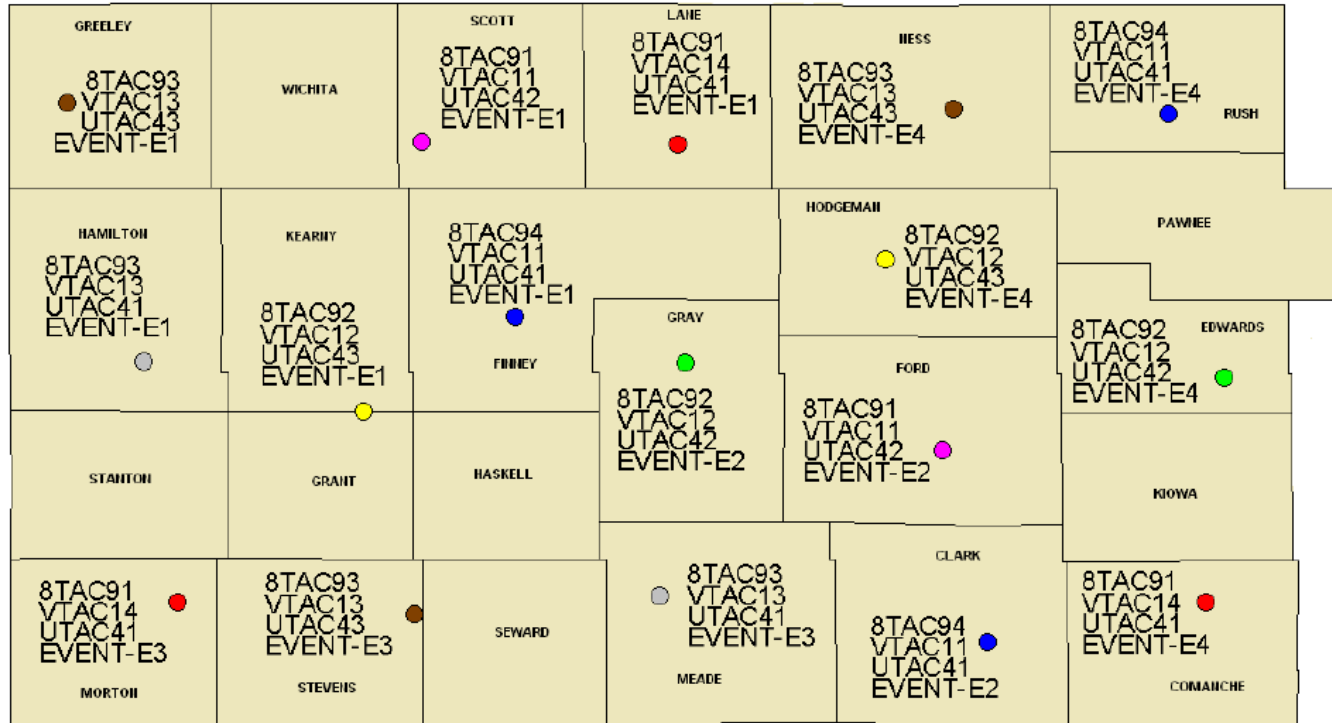
South Central Kansas Mutual Aid Channels



Northwest Kansas Mutual Aid Channels

CHEYENNE  8TAC94 VTAC11 UTAC41 EVENT-D3	RAWLINS  8TAC91 VTAC11 UTAC42 EVENT-D3	DECATUR  8TAC92 VTAC12 UTAC42 EVENT-D2	NORTON  8TAC92 VTAC12 UTAC43 EVENT-D2	PHILLIPS  8TAC93 VTAC13 UTAC43 EVENT-D2	SMITH  8TAC93 VTAC13 UTAC41 EVENT-D2
SHERMAN 8TAC91 VTAC14 UTAC41 EVENT-D3 	THOMAS 8TAC93 VTAC13 UTAC43 EVENT-D3 	SHERIDAN 	GRAHAM 8TAC94 VTAC11 UTAC41 EVENT-D2	ROOKS  8TAC91 VTAC14 UTAC41 EVENT-D2	OSBORNE  8TAC92 VTAC12 UTAC43 EVENT-D1
WALLACE 8TAC92 VTAC12 UTAC42 EVENT-D3 	LOGAN 8TAC92 VTAC12 UTAC43 EVENT-D4 	GOVE 8TAC93 VTAC13 UTAC41 EVENT-D4 	TREGO	ELLIS  8TAC92 VTAC12 UTAC42 EVENT-D1	RUSSELL  8TAC91 VTAC11 UTAC42 EVENT-D1

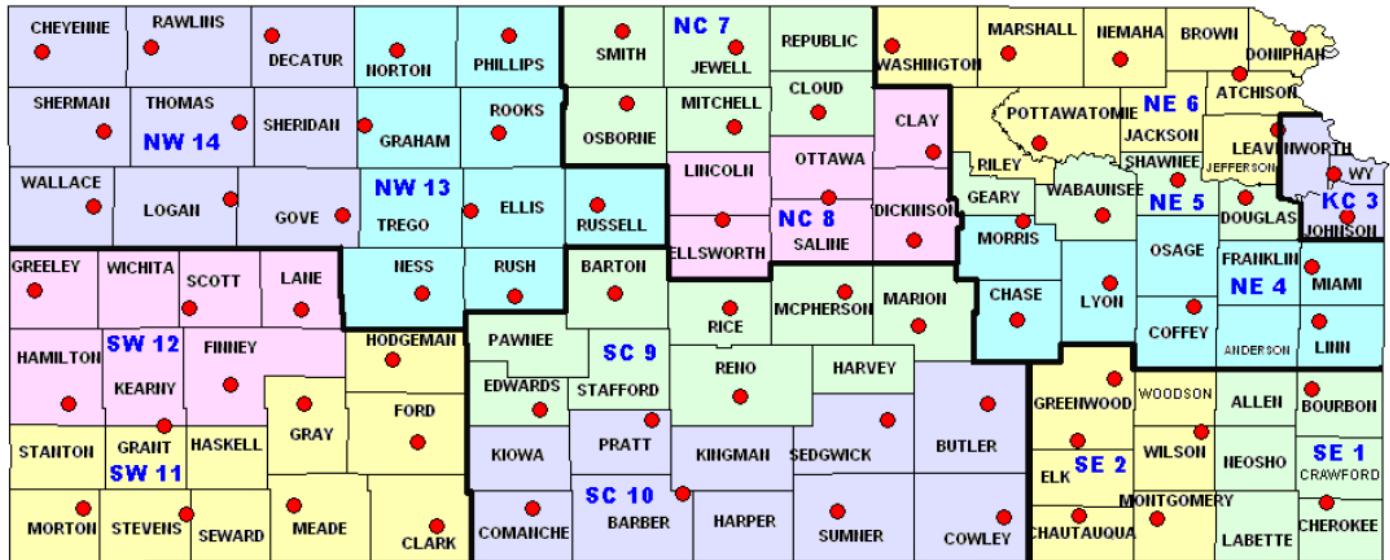
Southwest Kansas Mutual Aid Channels



Standardized Interoperability Template for 800 MHz P25 Radio System

- The state is divided into 14 zones which correspond with the Homeland Security Regions
- Each zone's talkgroups are set up Identical to correspond with the position of the channel selector on the radio (the first 7 channels are named the same in all zones)
- The channel is named with the region and zone indicator and then the discipline
Example: SE1-PSAP is the Southeast Region, Zone 1, PSAP talkgroup
- Use the county listing to find which zone you need to be in to communicate within the appropriate talkgroup, then set your radio to that zone and turn your channel selector knob to get to the correct channel (talkgroup)
- Listing of the channels in each zone:
 - 1 – PSAP (Public Safety Answering Point, dispatch centers)
 - 2 – MED (Hospitals/Medical)
 - 3 – TAC 1 (regional Tactical talkgroup for all disciplines)
 - 4 – TAC 2 (regional Tactical talkgroup for all disciplines)
 - 5 – AES (regional AES encrypted talkgroup for LEO)
 - 6 – KDEM-CALL (hailing talkgroup for KDEM)
 - 7 – NWS (National Weather Service)

Kansas Homeland Security Regions and KDOT Tower Sites



<u>County</u>	<u>Zone</u>
Allen	SE1
Anderson	NE4
Atchison	NE6
Barber	SC10
Barton	SC9
Bourbon	SE1
Brown	NE6
Butler	SC10
Chase	NE4
Chautauqua	SE2
Cherokee	SE1
Cheyenne	NW14
Clark	SW11
Clay	NC8
Cloud	NC7
Coffey	NE4
Comanche	SC10
Cowley	SC10
Crawford	SE1
Decatur	NW14
Dickinson	NC8
Doniphan	NE6
Douglas	NE5
Edwards	SC9
Elk	SE2
Ellis	NW13
Ellsworth	NC8

<u>County</u>	<u>Zone</u>
Finney	SW12
Ford	SW11
Franklin	NE4
Geary	NE5
Gove	NW14
Graham	NW13
Grant	SW11
Gray	SW11
Greeley	SW12
Greenwood	SE2
Hamilton	SW12
Harper	SC10
Harvey	SC9
Haskell	SW11
Hodgeman	SW11
Jackson	NE6
Jefferson	NE6
Jewell	NC7
Johnson	KC3
Kearny	SW12
Kingman	SC10
Kiowa	SC10
Labette	SE1
Lane	SW12
Leavenworth	KC3
Lincoln	NC8
Linn	NE4

<u>County</u>	<u>Zone</u>
Logan	NW14
Lyon	NE4
Marion	SC9
Marshall	NE6
McPherson	SC9
Meade	SW11
Miami	NE4
Mitchell	NC7
Montgomery	SE2
Morris	NE4
Morton	SW11
Nemaha	NE6
Neosho	SE1
Ness	NW13
Norton	NW13
Osage	NE4
Osborne	NC7
Ottawa	NC8
Pawnee	SC9
Phillips	NW13
Pottawatomie	NE6
Pratt	SC10
Rawlins	NW14
Reno	SC9
Republic	NC7
Rice	SC9
Riley	NE6

<u>County</u>	<u>Zone</u>
Rooks	NW13
Rush	NW13
Russell	NW13
Saline	NC8
Scott	SW12
Sedgwick	SC10
Seward	SW11
Shawnee	NE5
Sheridan	NW14
Sherman	NW14
Smith	NC7
Stafford	SC9
Stanton	SW11
Stevens	SW11
Sumner	SC10
Thomas	NW14
Trego	NW13
Wabaunsee	NE5
Wallace	NW14
Washington	NE6
Wichita	SW12
Wilson	SE2
Woodson	SE2
Wyandotte	KC3

Zone Name	SE1	SE2	KC3	NE4	NE5	NE6	NC7	NC8
Channel 1	SE1-PSAP	SE2-PSAP	KC3-PSAP	NE4-PSAP	NE5-PSAP	NE6-PSAP	NC7-PSAP	NC8-PSAP
Channel 2	SE1-MED	SE2-MED	KC3-MED	NE4-MED	NE5-MED	NE6-MED	NC7-MED	NC8-MED
Channel 3	SE1-TAC 1	SE2-TAC 1	KC3-TAC 1	NE4-TAC 1	NE5-TAC 1	NE6-TAC 1	NC7-TAC 1	NC8-TAC 1
Channel 4	SE1-TAC 2	SE2-TAC 2	KC3-TAC 2	NE4-TAC 2	NE5-TAC 2	NE6-TAC 2	NC7-TAC 2	NC8-TAC 2
Channel 5	SE1-AES	SE2-AES	KC3-AES	NE4-AES	NE5-AES	NE6-AES	NC7-AES	NC8-AES
Channel 6	KDEM-CALL	KDEM-CALL	KDEM-CALL	KDEM-CALL	KDEM-CALL	KDEM-CALL	KDEM-CALL	KDEM-CALL
Channel 7	NWS-ICT	NWS-ICT	NWS-TOP	NWS-TOP	NWS-TOP	NWS-TOP	NWS-GLD	NWS-GLD
Channel 8	H-EVNT-2	H-EVNT-1	A-EVNT-2	A-EVNT-2	B-EVNT-2	B-EVNT-1	C-EVNT-2	C-EVNT-1
Channel 9	H-EVNT-3	H-KHP-1	A-KHP-1	B-EVNT-3	B-EVNT-3	B-EVNT-2	D-EVNT-1	C-EVNT-2
Channel 10	H-KHP-1	H-KHP-2	A-KHP-2	H-EVNT-1	C-EVNT-2	B-EVNT-3	D-EVNT-2	C-EVNT-3
Channel 11	H-KHP-2			H-EVNT-3	B-KHP-2	C-EVNT-2	C-KHP-2	C-KHP-1
Channel 12				A-KHP-1	C-KHP-3	B-KHP-1	D-KHP-1	C-KHP-3
Channel 13				B-KHP-2		C-KHP-2		
Channel 14				C-KHP-3		C-KHP-3		
Channel 15				H-KHP-1				
Channel 16								

Red Talkgroups = Statewide Talkgroups

Purple Talkgroups = KHP Event channels

Zone Name	SC9	SC10	SW11	SW12	NW13	NW14	KDEM/ICS-A	KDEM/ICS-B
Channel 1	SC9-PSAP	SC10-PSAP	SW11-PSAP	SW12-PSAP	NW13-PSAP	NW14-PSAP	KDEM CALL	KDEM CALL
Channel 2	SC9-MED	SC10-MED	SW11-MED	SW12-MED	NW13-MED	NW14-MED	ICS-1	ICS-11
Channel 3	SC9-TAC 1	SC10-TAC 1	SW11-TAC 1	SW12-TAC 1	NW13-TAC 1	NW14-TAC 1	ICS-2	ICS-12
Channel 4	SC9-TAC 2	SC10-TAC 2	SW11-TAC 2	SW12-TAC 2	NW13-TAC 2	NW14-TAC 2	ICS-3	ICS-13
Channel 5	SC9-AES	SC10-AES	SW11-AES	SW12-AES	NW13-AES	NW14-AES	ICS-4	ICS-14
Channel 6	KDEM-CALL	KDEM-CALL	KDEM-CALL	KDEM-CALL	KDEM-CALL	KDEM-CALL	ICS-5	ICS-15
Channel 7	NWS-ICT	NWS-ICT	NWS-DDC	NWS-DDC	NWS-GLD	NWS-GLD	ICS-6	ICS-16
Channel 8	F-EVNT-2	F-EVNT-1	E-EVNT-2	E-EVNT-1	D-EVNT-1	D-EVNT-2	ICS-7	ICS-17
Channel 9	F-EVNT-3	F-EVNT-2	E-EVNT-3	E-KHP-1	D-EVNT-2	D-EVNT-3	ICS-8	ICS-18
Channel 10	YODER	F-EVNT-3	E-KHP-1		D-KHP-1	D-KHP-2	ICS-9	ICS-19
Channel 11	C-KHP-1	YOODER	E-KHP-2		E-KHP-2		ICS-10	ICS-20
Channel 12	E-KHP-2	E-KHP-2					COMMON-1	COMMON-5
Channel 13	F-KHP-1	F-KHP-1					COMMON-2	COMMON-6
Channel 14	F-KHP-2	F-KHP-2					COMMON-3	COMMON-7
Channel 15	F-METRO-1	F-METRO-1					COMMON-4	COMMON-8
Channel 16							COMU	COMU

Red Talkgroups = Statewide Talkgroups

Purple Talkgroups = KHP Event channels

Zone Name	SOUTH ERT-ICS	NORTH ERT-ICS	M/A 800	M/A 700 *	M/A 700 **	STATE
Channel 1	ICS-1	ICS-11	8CALL90	7CALL50	7CALL70	KTA South
Channel 2	ICS-2	ICS-12	8CALL90 D	7CALL50D	7CALL70D	KTA North
Channel 3	ICS-3	ICS-13	8TAC 91	7TAC51	7TAC71	KTA Event 1
Channel 4	ICS-4	ICS-14	8TAC 91 D	7TAC51D	7TAC71D	KTA Event-2
Channel 5	ICS-5	ICS-15	8TAC 92	7TAC52	7TAC72	KTA Event-3
Channel 6	ICS-6	ICS-16	8TAC 92 D	7TAC52D	7TAC72D	SFM INV-1
Channel 7	ICS-7	ICS-17	8TAC 93	7TAC53	7TAC73	SFM HZM-1
Channel 8	ICS-8	ICS-18	8TAC 93 D	7TAC53D	7TAC73D	SFM SAR-1
Channel 9	ICS-9	ICS-19	8TAC 94	7TAC54	7TAC74	SFM CMD-1
Channel 10	ICS-10	ICS-20	8TAC 94 D	7TAC54D	7TAC74D	SFM TAC-1
Channel 11	COMMON-1	COMMON-5		7TAC55	7TAC75	W&P Evt 1
Channel 12	COMMON-2	COMMON-6		7TAC55D	7TAC75D	W&P Evt 2
Channel 13	COMMON-3	COMMON-7		7TAC56	7TAC76	W&P Evt 3
Channel 14	COMMON-4	COMMON-8		7TAC56D	7TAC76D	W&P Evt 4
Channel 15	COMU	COMU				W&P Evt 5
Channel 16						MERG-4

Red Talkgroups = Statewide Talkgroups

Purple Talkgroups = KHP Event channels