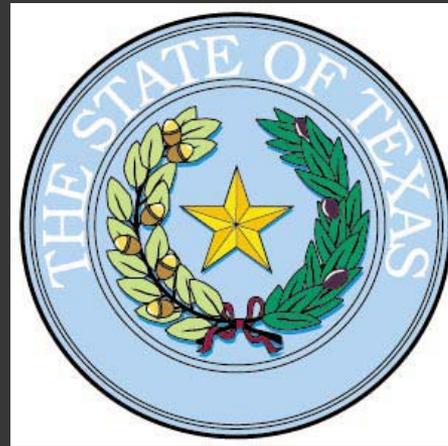




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Texas Statewide Interoperability Channel Plan



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- **Calling Channels for Texas**
- **Discuss Changes in TXLAW01 and TXLAW02**
- **Incorporation of VHF TAC Repeaters**
- **Frequency Tables and Highlights of Use**
- **Future InterOp Planning**

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Calling Channels

Initial radio contact during travel to or arrival at an emergency incident may be established on an appropriate interoperability calling channel.

- Calling channels designated as VCALL10, UCALL40, 7CALL50, and 8CALL90 are intended to provide for local and itinerant-user communications with local public safety dispatchers. TXCALL2D is designated as a Calling Channel for State and Federal Aircraft to/from a Base Station. It also will serve as a backup to VCALL10 for other applications. TXCALL1D is designated as a mobile-to-mobile Calling Channel.

Additionally, the calling channels may be used by en route emergency resources seeking to make contact with the Incident Command Post or staging area(s) at a large-scale incident.

- Texas Law 2 monitoring should be augmented by monitoring of the narrowband VHF channel VCALL10. After January 1, 2013 Texas Law 2 will be simplex, have sub-audible tones, will be labeled as TXCALL2D, and will be narrowband use only. (See Table 1)
- If a region (or an adjacent region) has UHF users, UHF channel UCALL40 should be continually monitored by appropriate dispatch points within the affected regions.
- If a region, or an adjacent region, has jurisdictions that use 700 MHz band equipment, the channel 7CALL50 should be continually monitored by appropriate dispatch points within the affected regions.
- If a region, or an adjacent region, has 800 MHz band users, the 800 MHz channel 8CALL90 should be continually monitored by appropriate dispatch points within the affected regions.

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Table 1
VHF 150 MHz Narrowband Interoperability Channels** (12.5 kHz)

Emission Designators 11K2F3E, 11K3F3E, 11K2G2E

Mobile and Portable Configuration*					
Label	Receive	Transmit	Station Class	CTCSS RX / TX	Use
VCALL10	155.7525	155.7525	FBT / MO	CSQ / 156.7	Calling Channel
VTAC11	151.1375	151.1375	FBT / MO	CSQ / 156.7	Tactical Channel
VTAC12	154.4525	154.4525	FBT / MO	CSQ / 156.7	Tactical Channel
VTAC13	158.7375	158.7375	FBT / MO	CSQ / 156.7	Tactical Channel
VTAC14	159.4725	159.4725	FBT / MO	CSQ / 156.7	Tactical Channel
VFIRE21	154.2800	154.2800	FBT / MO	CSQ / 156.7	Tactical Channel
VFIRE22	154.2650	154.2650	FBT / MO	CSQ / 156.7	Tactical Channel
VFIRE23	154.2950	154.2950	FBT / MO	CSQ / 156.7	Tactical Channel
VFIRE24	154.2725	154.2725	FBT / MO	CSQ / 156.7	Tactical Channel
VFIRE25	154.2875	154.2875	FBT / MO	CSQ / 156.7	Tactical Channel
VFIRE26	154.3025	154.3025	FBT / MO	CSQ / 156.7	Tactical Channel (for Air-to-Ground with State/Federal Aircraft ONLY)
VMED28	155.3400	155.3400	FBT / MO	CSQ / 156.7	Tactical Channel (and for Air-to-Ground use)
VMED29	155.3475	155.3475	FBT / MO	CSQ / 156.7	Tactical Channel
VLA31	155.4750	155.4750	FBT / MO	CSQ / 156.7	Tactical Channel
VLA32	155.4825	155.4825	FBT / MO	CSQ / 156.7	Tactical Channel
TXCALL 1D	154.9500	154.9500	FBT/MO	156.7 / 156.7	Mobile-to-Mobile Calling Channel
TXCALL2D	155.3700	155.3700	FBT/MO	156.7 / 156.7	(PRI: Calling Channel for State/Federal Aircraft to/from a Base and SEC: VCALL10 backup)
NOTE: The sub-audible tones of the following are different!					
VTAC33	159.4725	151.1375	FB2T	CSQ / 136.5	Tactical Repeater Secondary 1
VTAC34	158.7375	154.4525	FB2T	CSQ / 136.5	Tactical Repeater Secondary 2
VTAC35	159.4725	158.7375	FB2T	CSQ / 136.5	Tactical Repeater Secondary 3
VTAC36	151.1375	159.4725	FB2T	CSQ / 136.5	Tactical Repeater Preferred 1
VTAC37	154.4525	158.7375	FB2T	CSQ / 136.5	Tactical Repeater Preferred 2



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VFIRE25	154.2875	154.2875	FBT / MO	CSQ / 156.7	Tactical Channel
VFIRE26	154.3025	154.3025	FBT / MO	CSQ / 156.7	Tactical Channel (for Air-to-Ground with State/Federal Aircraft ONLY)
VMED28	155.3400	155.3400	FBT / MO	CSQ / 156.7	Tactical Channel (and for Air-to-Ground use)
VMED29	155.3475	155.3475	FBT / MO	CSQ / 156.7	Tactical Channel
VLAW31	155.4750	155.4750	FBT / MO	CSQ / 156.7	Tactical Channel
VLAW32	155.4825	155.4825	FBT / MO	CSQ / 156.7	Tactical Channel
TXCALL1D	154.9500	154.9500	FBT/MO	156.7 / 156.7	Mobile-to-Mobile Calling Channel
TXCALL2D	155.3700	155.3700	FBT/MO	156.7 / 156.7	(PRI: Calling Channel for State/Federal Aircraft to/from a Base and SEC: VCALL 10 backup)



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NOTE: The sub-audible tones of the following are different!

VTAC33	159.4725	151.1375	FB2T	CSQ / 136.5	Tactical Repeater Secondary 1
VTAC34	158.7375	154.4525	FB2T	CSQ / 136.5	Tactical Repeater Secondary 2
VTAC35	159.4725	158.7375	FB2T	CSQ / 136.5	Tactical Repeater Secondary 3
VTAC36	151.1375	159.4725	FB2T	CSQ / 136.5	Tactical Repeater Preferred 1
VTAC37	154.4525	158.7375	FB2T	CSQ / 136.5	Tactical Repeater Preferred 2
VTAC38	158.7375	159.4725	FB2T	CSQ / 136.5	Tactical Repeater Preferred 3

- * Sub-audible tones, matching the transmit tones of the above VHF channels, can be added to the receive side if interference is experienced during an incident.
- ** In an emergency, additional VHF Repeater Channels (below 150.8 MHz) can be made available by coordinating with the Texas National Frequency Manager, or via the Communications Coordination Group (CCG). Please contact the CCG through your local Disaster District Committee. Alternate contact information is: ccg@dps.texas.gov and 512-424-2755.

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**Table 5
800 NPSPAC Interoperability Channels (20 kHz)**

Emission Designator 20K0F3E

Label	Receive	Transmit	Station Class	CTCSS RX/TX	Use
8CALL90	851.0125	806.0125	FX1T - MO	CSQ / 156.7	Calling Channel (Repeater)
8CALL90D	851.0125	851.0125	FX1T - MO	CSQ / 156.7	Calling Channel (Direct)
8TAC91	851.5125	806.5125	FX1T - MO	CSQ / 156.7	Incident Temporary Repeater Channel
8TAC91D	851.5125	851.5125	FX1T - MO	CSQ / 156.7	Tactical Channel (Direct)
8TAC92	852.0125	807.0125	FX1T - MO	CSQ / 156.7	Incident Temporary Repeater Channel
8TAC92D	852.0125	852.0125	FX1T - MO	CSQ / 156.7	Tactical Channel (Direct)
8TAC93	852.5125	807.5125	FX1T - MO	CSQ / 156.7	Incident Temporary Repeater Channel
8TAC93D	852.5125	852.5125	FX1T - MO	CSQ / 156.7	Tactical Channel (Direct)
8TAC94	853.0125	808.0125	FX1T - MO	CSQ / 156.7	Incident Temporary Repeater Channel
8TAC94D	853.0125	853.0125	FX1T - MO	CSQ / 156.7	Tactical Channel (Direct)
8TAC95D ***	851.5500	851.5500	MO	CSQ / 156.7	Incident Control Channel (Direct)
8TAC96D ***	853.0500	853.0500	MO	CSQ / 156.7	Incident Control Channel (Direct)
8TAC97D ***	853.3500	853.3500	MO	CSQ / 156.7	Incident Control Channel (Direct)
Repeater Base Configuration					
8CALL90	806.0125	851.0125	FB2T	156.7	Mobile Command Post Calling Channel Base
8TAC91	806.5125	851.5125	FB2T	156.7	Incident Temporary Repeater Channels
8TAC92	807.0125	852.0125	FB2T	156.7	
8TAC93	807.5125	852.5125	FB2T	156.7	
8TAC94	808.0125	853.0125	FB2T	156.7	

*** 8TAC95D, 8TAC96D and 8TAC97D are presently used throughout the state by many jurisdictions, primarily fire departments. These low-power mobile/portable channels may not be used in a repeater configuration nor patched with other channels through a gateway or patching device. ERP is limited to 20 watts and only mobile and portable operation is allowed. Base stations are not permitted.

Very Important information regarding use of 8Tac95,96,97



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From Table 5

These low-power mobile/portable channels may not be used in a repeater configuration nor patched with other channels through a gateway or patching device. ERP is limited to 20 watts and only mobile and portable operation is allowed. Base stations are not permitted.

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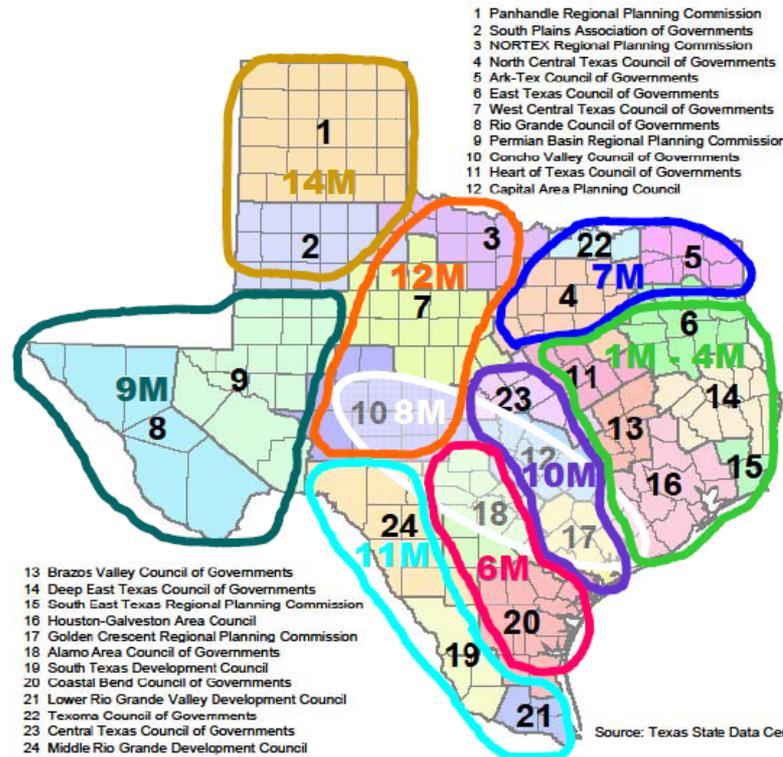
What is next in the Interoperability plan?

The Rural Areas have a plan using simplex . The next process to statewide interoperability is how do we ioperate and interoperate in the urban areas or areas with P25 trunk radio systems?

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STATEWIDE SUBSCRIBER ID ALLOCATION AREAS

Texas Councils of Governments





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Begin Range Number	End Range Num	Users	Num PTT ID	Combined Listings
1	999,999	Open to legacy systems	999,998	1 - 999999 Open to legacy systems
1,000,001	2,999,999	WARN	1,999,998	1000001 - 2999999 WARN
3,000,001	4,999,999	HOU	1,999,998	3000001 - 4999999 HOU
5,000,001	5,999,999	Reserved Space	999,998	5000001 - 5999999 Reserved Space
6,000,001	6,500,000	SAT	499,999	6000001 - 6500000 SAT
6,500,001	6,999,999	CRP	499,998	6500001 - 6999999 CRP
7,000,001	7,999,999	DFW (NCTCOG)	999,998	7000001 - 7999999 DFW (NCTCOG)
8,000,001	8,250,000	LCRA	249,999	8000001 - 8250000 LCRA
8,251,000	8,500,000	Open to Other PW	249,000	8251000 - 8500000 Open to Other PW
8,500,001	8,750,000	Open to Other PW	249,999	8500001 - 8750000 Open to Other PW
8,750,001	8,999,999	Open to Other PW	249,998	8750001 - 8999999 Open to Other PW
9,000,001	9,999,999	ELP	999,998	9000001 - 9999999 ELP
10,000,000	10,024,999	6A-Basque	24,999	10000000 - 10024999 6A-Basque
10,025,000	10,049,999	6A-Bell	24,999	10025000 - 10049999 6A-Bell
10,050,000	10,074,999	6A-Coryell	24,999	10050000 - 10074999 6A-Coryell
10,075,000	10,099,999	6A-Falls	24,999	10075000 - 10099999 6A-Falls
10,100,000	10,124,999	6A-FreeStone	24,999	10100000 - 10124999 6A-FreeStone
10,125,000	10,149,999	6A-Hamilton	24,999	10125000 - 10149999 6A-Hamilton
10,150,000	10,174,999	6A-Hill	24,999	10150000 - 10174999 6A-Hill
10,175,000	10,199,999	6A-Lampassas	24,999	10175000 - 10199999 6A-Lampassas
10,200,000	10,224,999	6A-Limestone	24,999	10200000 - 10224999 6A-Limestone
10,225,000	10,249,999	6A-McIennan	24,999	10225000 - 10249999 6A-McIennan
10,250,000	10,274,999	6A-Miliam	24,999	10250000 - 10274999 6A-Miliam
10,275,000	10,299,999	6A-Mills	24,999	10275000 - 10299999 6A-Mills
10,300,000	10,324,999	6A-San Saba	24,999	10300000 - 10324999 6A-San Saba
10,325,000	10,349,999	6B-Bastrop	24,999	10325000 - 10349999 6B-Bastrop
10,350,000	10,374,999	6B-Blanco	24,999	10350000 - 10374999 6B-Blanco
10,375,000	10,399,999	6B-Burnet	24,999	10375000 - 10399999 6B-Burnet
10,400,000	10,424,999	6B-Caldwell	24,999	10400000 - 10424999 6B-Caldwell
10,425,000	10,449,999	6B-DPS	24,999	10425000 - 10449999 6B-DPS
10,450,000	10,474,999	6B-Fayette	24,999	10450000 - 10474999 6B-Fayette
10,475,000	10,499,999	6B-Hays	24,999	10475000 - 10499999 6B-Hays
10,500,000	10,524,999	6B-Lee	24,999	10500000 - 10524999 6B-Lee
10,525,000	10,549,999	6B-Llano	24,999	10525000 - 10549999 6B-Llano
10,550,000	10,574,999	6B-Trav	24,999	10550000 - 10574999 6B-Trav
10,575,000	10,599,999	6B-Trav	24,999	10575000 - 10599999 6B-Trav
10,600,000	10,624,999	6B-Trav	24,999	10600000 - 10624999 6B-Trav
10,625,000	10,649,999	6B-Trav	24,999	10625000 - 10649999 6B-Trav
10,650,000	10,674,999	6B-Trav	24,999	10650000 - 10674999 6B-Trav
10,675,000	10,699,999	6B-Wilco	24,999	10675000 - 10699999 6B-Wilco
10,700,000	10,724,999	6B-Wilco	24,999	10700000 - 10724999 6B-Wilco
10,725,000	10,749,999	6B-Wilco	24,999	10725000 - 10749999 6B-Wilco
10,750,000	10,774,999	6C-Calhoun	24,999	10750000 - 10774999 6C-Calhoun
10,775,000	10,799,999	6C-Dewitt	24,999	10775000 - 10799999 6C-Dewitt
10,800,000	10,824,999	6C-Goliad	24,999	10800000 - 10824999 6C-Goliad
10,825,000	10,849,999	6C-Gonzales	24,999	10825000 - 10849999 6C-Gonzales
10,850,000	10,874,999	6C-Jackson	24,999	10850000 - 10874999 6C-Jackson
10,875,000	10,899,999	6C-Karnes	24,999	10875000 - 10899999 6C-Karnes
10,900,000	10,924,999	6C-Lavaca	24,999	10900000 - 10924999 6C-Lavaca
10,925,000	10,949,999	6C-Victoria	24,999	10925000 - 10949999 6C-Victoria



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3,000,001	4,999,999	HOU	1,999,998	3000001 - 4999999 HOU
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6,000,001	6,500,000	SAT	499,999	6000001 - 6500000 SAT
6,500,001	6,999,999	CRP	499,998	6500001 - 6999999 CRP
7,000,001	7,999,999	DFW (NCTCOG)	999,998	7000001 - 7999999 DFW (NCTCOG)
8,000,001	8,250,000	LCRA	249,999	8000001 - 8250000 LCRA



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10,325,000	10,349,999	6B-Bastrop	24,999	10325000 - 10349999	6B-Bastrop
10,350,000	10,374,999	6B-Blanco	24,999	10350000 - 10374999	6B-Blanco
10,375,000	10,399,999	6B-Burnet	24,999	10375000 - 10399999	6B-Burnet
10,400,000	10,424,999	6B-Caldwell	24,999	10400000 - 10424999	6B-Caldwell
10,425,000	10,449,999	6B-DPS	24,999	10425000 - 10449999	6B-DPS
10,450,000	10,474,999	6B-Fayette	24,999	10450000 - 10474999	6B-Fayette
10,475,000	10,499,999	6B-Hays	24,999	10475000 - 10499999	6B-Hays
10,500,000	10,524,999	6B-Lee	24,999	10500000 - 10524999	6B-Lee
10,525,000	10,549,999	6B-Llano	24,999	10525000 - 10549999	6B-Llano
10,550,000	10,574,999	6B-Trav	24,999	10550000 - 10574999	6B-Trav
10,575,000	10,599,999	6B-Trav	24,999	10575000 - 10599999	6B-Trav
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10,725,000	10,749,999	6B-Wilco	24,999	10725000 - 10749999	6B-Wilco



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Questions