CIVIL AIR PATROL

Texas Wing

Communications Radio Guide Book

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This guide book is the benefit of the Texas Wing Civil Air Patrol. It is to be used for Civil Air Patrol Business.

This Communications Radio Guide Book contains channel assignments for the Texas Wing. It also contains procedures for Texas communications and the surrounding wings. This book will assist all members in the ability to maintain communications while on various missions and activities when VHF radios are in use.

PLEASE PRACTICE and USE your Radio Gear on a regular basis.
The Radios are meant to be used. Use them properly.

For additional information regarding Texas Communications, see
http://www.txwgcap.org/content/staff_support_comms.htm

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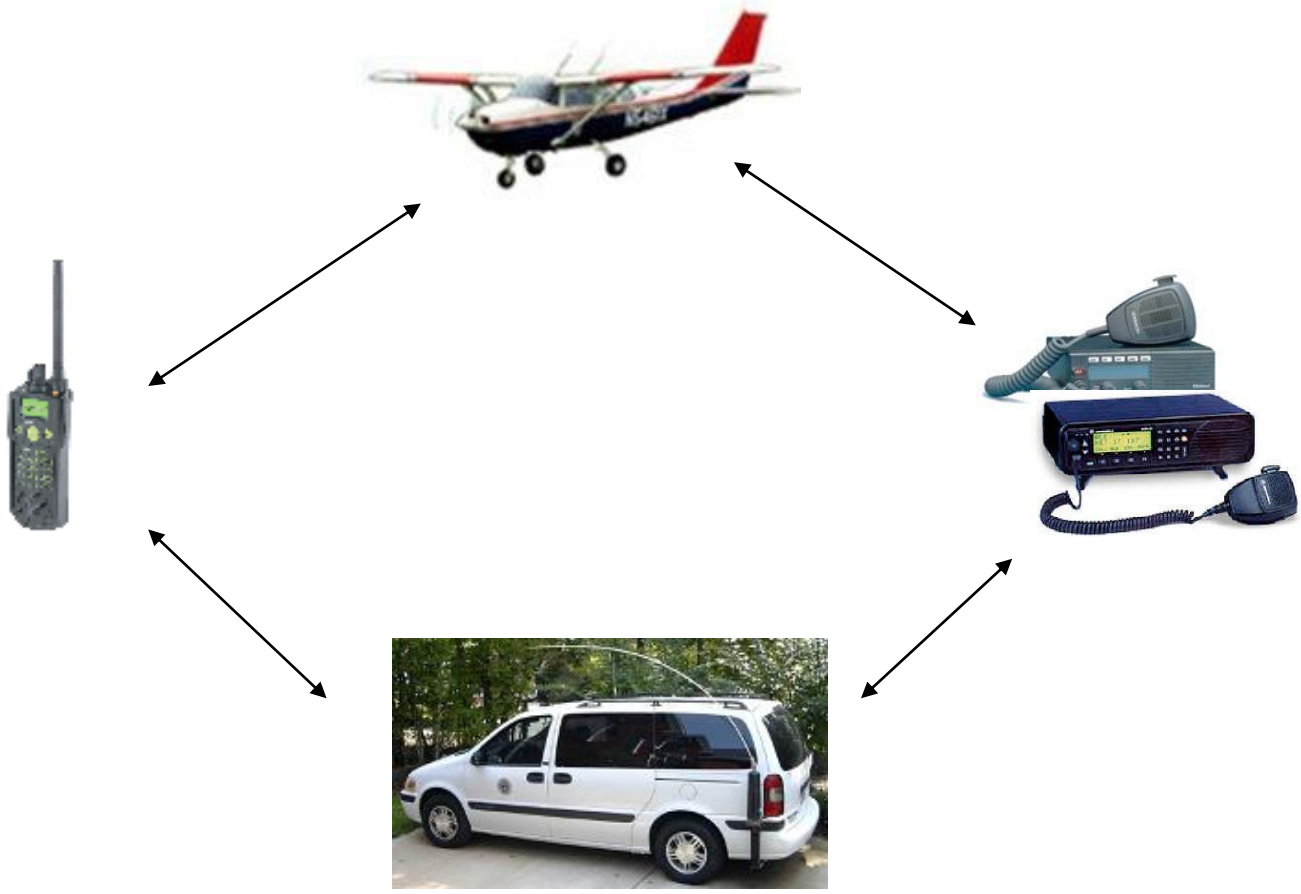
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Designed by Texas Wing Communications Staff (2009) & Capt S C Rollins (INWG)

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Ground Team Section



Utilizing all possibilities to establish communications is the Ground Teams Goal. Consider all possible ways to maintain communications link with mission base.

Typical arrangement:

- **All Team members use ISR to talk among the team**
- **Hand Held VHF to Aircraft to Mission Base**
- **Hand Held VHF to Mobile to Mission Base**
- **Hand Held VHF to Repeater to Mission Base**
- **Hand Held VHF to Mobile to Aircraft to Mission Base**
- **Consider moving to high unobstructed ground to establish a line of sight communications link.**

Monitor CC1 (Zone 1, Channel 1) simplex, unless given instructions by an IC or mission staff, or a repeater is required for longer distance communications.

A. **During all CAP vehicle use, CAP radios must be monitored/ used.**
B. **During all communications, clear and calm transmissions are required for other stations to understand your message.**
C. **Use of either the CAP Vehicle Call Sign or Issued Call Sign is approved for use with CAP Vehicle Radios. (Non-Mission use.)**
D. **During missions, all call signs and channels are assigned by the Communications Unit Leader (CUL) or the Incident Commander (IC) for that Mission.**
E. **A minimum of ICUT training is required to use CAP radios without supervision.**
F. **All CAP radios must be checked on a regular basis for proper operation.**
G. **Hand-Held radio batteries must be kept charged at all times.**
H. **ISR radios are designed for limited range (distance). Trees, brush, being inside buildings and other obstacles will cause additional range loss.**
I. **ISR radios must have fresh batteries. When ISRs are not in use for a long period of time, remove their batteries prior to storing.**
J. **Texas Wing CAP vehicles use the call sign format of Texas CAP 0XXX, where the "XXX" are the last three digits of the vehicle number. Example: CAP Vehicle #42122 is "Texas CAP 0122."**

Aircrew Section

A. **Standard simplex channels or repeater channels are to be used during normal flight operations. Consult VHF Frequency Designator Table for the appropriate channel(s).**

B. **Aircrews are to monitor CAPGUARD (formerly called GUARD 1)at all times unless told otherwise. When using CAPGUARD the Calling Station may state they are on CAPGUARD Channel.**
Example: CAP 4230, this is Houston Base on CAPGUARD, OVER.

C. During any and all missions and exercises Aircrews responsibilities are:

1. **A radio check is required prior to taxi. A complete radio check is when a response is received from the other station (Mission Base).**
2. **Standard check-ins are required. Items to include in the comm. Check-in are as follows.**
   - **A. Take Off with Time**
   - **B. In Grid Time**
   - **C. Out of Grid Time**
   - **D. Landing Time**
   - **E. Standard check-ins (OPS NORMAL) every 30 Min. Standard Operating Procedure is for the mission base to initiate contact with the aircraft.**

D. During normal operating procedures, aircrews are to monitor and have the CAP aircraft radio ON, and volume set to be audible.

E. Aircrews must have a minimum ICUT training in order to operate the CAP Aircraft Radio.

F. CAP Aircraft radio should be on ("HI") 10 watt power setting during all flights and on ("LO") 5 watt power setting when on the ground. This is to make sure no excess energy is pushed back into the radio causing possible damage to radio during ground operations.

G. CAP FM Aircraft radio is a required piece of equipment and must be checked and working properly for all missions. This is the aircrew's responsibility during preflight and post flight. Report all issues through normal aircraft maintenance process.
Catching an inoperative radio will prevent communications issues during actual or practice SAR missions.

H. FAA frequency of 123.1 is used for Liaison or Interoperability with other agencies during SAR Missions.

I. TDFM136 radios have some P25 digital channels. NAT NPX-138 Radios are not P25 digital capable.

J. EF Johnson 5112 and 5317 radios have dual mode capability, meaning they can hear P25 even if the selected channel is an analog channel. The TDFM 136 aircraft radio is not dual mode capable; meaning it cannot hear P25 when on an analog channel, or analog when on a P25 channel.

CAP Radio Procedures

Radio Communication Format

Calling another station:
Their call sign, THIS IS, your call sign.
Example: Texas CAP 182, THIS IS Texas CAP 4, OVER

Calling using State of Texas interoperability channels:
Agency Unit# THIS IS Agency Unit#
Example: Bryan EMS 1605 THIS IS
Civil Air Patrol Texas CAP 182.
After initial contact just use the call signs.

Pro Words
(Common Terms)

Roger = Instructions Received

Over = I am finished talking

Out = Communication is complete, frequency is free and open for next station use.

This is = Before call sign

Wait = I must pause for a few seconds, do not transmit

Say Again = Repeat your transmission (message)

Affirmative = "YES"

Negative = "NO"

No Play = Real event, not part of a simulation.

Method of Speech
Rhythm—Use short sentences, divided up in usable lengths.
Speed—Speak slower when delivering messages / traffic.
Volume—Normal levels (No Shouting)
Pitch—Slightly higher than normal conversations
Aids to Accuracy
Pronunciation of Letters
Rules of Figures (Numbers)
Rules of Mixed Groups
Corrections
Over The Air "Don'ts"
Identify Operator by Name
Radio Frequencies (numbers)
Profane or Inappropriate Language
Transmission of Nicknames or False Call Signs
Do Not Argue or Identify Search Subjects

CAP procedures require normal, plain English. No 10 codes or Q codes are to be used under ICS/FEMA

Radio Quick Reference (Helpful Hints)

Reference Material—CAPR 100-1 and 100-3 *Reference Material—CAPR 60-3*

PHONETIC ALPHABET		
ALPHA	**JULIET**	**SIERRA**
BRAVO	**KILO**	**TANGO**
CHARLIE	**LIMA**	**UNIFORM**
DELTA	**MIKE**	**VICTOR**
ECHO	**NOVEMBER**	**WHISKEY**
FOXTROT	**OSCAR**	**XRAY**
GOLF	**PAPA**	**YANKEE**
HOTEL	**QUEBEC**	**ZULU**
INDIA	**ROMEO**	

PHONETIC NUMBERS	
1—ONE	**6—SIX**
2—TWO	**7—SEVEN**
3—THU-REE	**8—EIGHT**
4—FOUR	**9—NINER**
5—FIFA (FIVE)	**10—TEN**

URGENCY SIGNALS		
MAYDAY	**PAN PAN**	**SECURITE** **(Used for urgent warnings or navigational concerns)**

Flash (Z) (Rarely Used)	**Immediate (O)** (Rarely Used)	**Priority (P)** (Common Use)	**Routine (R)** (Common Use)
Messages for extreme urgency	Messages that affect the security of the nation	Messages requiring action. Above routine (R) messages	Messages requiring normal action times

- **Use minimum transmission power to satisfactorily complete communication**
- **VHF is line of sight transmission.**
- **HF radios are used for long distance communications.**
- **Use Simplex frequencies for local operations and use repeaters if extended range is needed.**
- **Operations of CAP frequencies in Canada and Mexico is prohibited, unless specifically authorized.**
- **Altitude restrictions are in effect for international border areas.**
- **Use CAPF 110 Form for logging, and CAPF 105 for formal messages.**
- **For additional Communications information and Regulatory References, see CAPR 100-1 and 100-3**
- **All communication is to be done in plain English. This follows ICS rules.**

Texas CAP Wing Aircraft Information - Table 1

Tail #	Type	CAP Call Sign	Remarks / Notes
N1472F	C-172N	CAP 4212	*NAT NPX-138* Location: Sugarland Houston
N165CP	C-182T	CAP 4216	TDFM-136ENC Repeater Cannon Location: San Antonio - Stinson Municipal
N4817C	C-172P	CAP 4217	TDFM-136 W/P Location: Dallas – Love Field
N984CP	C-172R	CAP 4221	TDFM-136 Repeater Cannon, TF1 UHF ANTENNA Location: Austin - Bergstrom
N224JA	C-172P	CAP 4222	TDFM-136 Location: Granbury
N9510L	C-172P	CAP4224	TDFM-136 Location: Bryan – Coulter Field
N225TX	C-182Q	CAP 4225	TDFM-136 Repeater Cannon Location: Victoria
N8410E	C-172N	CAP 4227	TDFM-136 Location: Tyler – Ponds Field
N985CP	C-172R	CAP 4228	*NAT NPX-138* Repeater Cannon Location: Sulpher Springs
N96821	C-182Q	CAP 4229	TDFM-136 W/P Repeater DIN5 Location: El Paso - El Paso International
N9431X	C-182R	CAP 4231	*NAT NPX-138* Location: Midland
N98913	C-172P	CAP 4233	TDFM-136 Repeater Cannon Location: Georgetown – Georgetown Municipal
N66059	C-172P	CAP 4237	TDFM-136 Location: Houston - Ellington
N4736N	C-182Q	CAP 4238	TDFM-136 Repeater DIN5 Location: Denton
N239TX	C-172P	CAP 4239	TDFM-136 Location: Amarillo
N9879E	C-182R	CAP 4240	TDFM-136 Repeater DIN5 Location: Baytown - RWJ Airpark
N99938	C-172P	CAP 4241	TDFM-136 Repeater Cannon Location: Wichita Falls – Kickapoo Downtown
N982CP	C-172R	CAP 4242	TDFM-136 Repeater Cannon Location: Corpus Christi– Nueces County

Texas CAP Wing Aircraft Information - Table 2

Tail #	Type	CAP Call Sign	Remarks / Notes
N98463	C-172P	CAP 4243	TDFM-136 Location: Sugarland
N97596	C-182Q	CAP 4244	TDFM-136 Repeater Cannon Location: San Angelo – San Angelo Regional
N9813L	C-172P	CAP 4245	TDFM-136 Location: San Marcus
N9846L	C-172P	CAP 4246	TDFM-136 Repeater Cannon Location: San Antonio Stinson Municipal
N247TX	C-182Q	CAP 4247	TDFM-136 Repeater DIN5 Location: Hooks Houston
N111ZY	C-172P	CAP 4251	TDFM-136 Location: Mesquite
N455CP	C-182T	CAP4255	TDFM-136 Repeater Cannon Location: Grand Prairie
N637CP	C-182T	CAP 4263	TDFM-136ENC Repeater Cannon Location: Fort Worth – Meacham International
N9864L	C-172P	CAP 4264	TDFM-136 Location: Houston – Houston Hobby
N735CR	C-182Q	CAP 4273	TDFM-136 Location: Waco – Waco Regional
N778CP	C-182T	CAP 4278	TDFM-136ENC Repeater Cannon SDIS Location: West Houston
N99842	C-172P	CAP4292	TDFM-136 Location: Conroe – Lone Star Executive
N9438X	C-182R	CAP4298	*NAT NPX-138* Location: Midland
N794CA	C-182T	CAP4294	TDFM-136ENC Repeater Cannon SDIS Location: Kerrville
N611CP	GA-8	CAP 9911	SDIS Location: Houston Sugerland
N612CP	GA-8	CAP 9912	TDFM-136 SDIS Location: Addison

- **Check CAP aircraft radios on a regular basis to catch any issues prior to activation for a mission.**
- **Aircrews are required to check CAP Radio operation prior to all flights. Check for proper frequency. Check Volume and Audio panel button selection(s).**
- **Aircraft changes occur often and this table may be out of date.**
- **All Aircraft are equipped with TDFM-136 FM radios unless marked NAT NPX-138**

VHF Frequency Designator - Table 1

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT	PDR 3500	Remarks / Notes
CC 1	Command Control 1	1-1	001	01	01		Default channel
CC 2	Command Control 2	1-2	002	02	02		
AIR 1	Air to Air	1-3	003	03	03		
AIR 2	Air to Air	1-4	004	04	04		
CAPGUARD	Guard Channel	1-5	GD1	05	05		
TAC 1	Tactical Use (Misc Use)	1-6	005	06	06		
CH1 MON	RECEIVE ONLY ODD NUMBER REPEATERS	1-7			07		
CH2 MON	RECEIVE ONLY EVEN NUMBER REPEATERS	1-8			08		
R67	TACTICAL REPEATER	1-9	006	07	09	3/9	Repeater pair 3
R68	TACTICAL REPEATER	1-10	007	08	10	4/10	Repeater pair 3
R69	TACTICAL REPEATER	1-11	008	09	11	5/11	Repeater pair 3
R70	TACTICAL REPEATER	1-12	009	10	12	6/12	Repeater pair 3
R63	TACTICAL REPEATER	1-13	010	11	13	1/7	Repeater pair 1
R64	TACTICAL REPEATER	1-14	011	12	14	2/8	Repeater pair 2
	RESERVED	1-15					
	RESERVED	1-16					

CC1, CC2, AIR1, AIR2, CAPGUARD AND TAC1 ARE SIMPLEX.
REPEATERS HAVE DESIGNATORS BEGINNING WITH "R".
R67, R68, R69, R70, R63 AND R64 ARE USED IN THE PDR-3500 "TACTICAL" REPEATERS. CHANNELS 1-6 ARE LOW POWER FOR AIRBORNE USE, CHANNELS 7-12 ARE HIGH POWER FOR GROUND USE.
SWITCH POSITION GD1 ON THE TDFM 136 IS PROGRAMMED FOR CAPGUARD CHANNEL.
SWITCH POSITION GD1 OR GD2 SHOULD NOT BE USED ON THE NAT RADIO
CAPGUARD SHOULD BE ANALOG ONLY

VHF Frequency Designator - Table 2

Designator	Remarks / Use	EFJ Z/CH	TDFM	NAT	TAIT		Remarks / Notes
R42P	ABILENE	2-1					
R35P	AMARILLO	2-2					
R16P	AUSTIN	2-3					
R02P		2-4					
R29P	BEAUMONT	2-5					
R49P	BELTON	2-6					
R09P	BROWNSVILLE	2-7					
R47P	COLORADO COUNTY	2-8					
R46P	CORPUS CHRISTI	2-9					
R11P	DALLAS NORTH	2-10					
R58P	DALLAS SOUTH	2-11					
R44P	DECATUR	2-12					
	RESERVED	2-13					
R13P	EL PASO	2-14					
	RESERVED	2-15					
R01P	GRANBURY	2-16					

SOME EFJ RADIOS HAVE WIDEBAND CHANNELS PROGRAMMED IN THIS ZONE. DO NOT USE ZONE 2 IF THE DESIGNATORS READ V1 ETC OR PA ETC…USE THIS ZONE ONLY IF IT HAS BEEN UPDATED AND HAS A REPEATER LOCATION NAME, EXAMPLE:
ABILENE

SOME OF THE REPEATER LOCATIONS MAY NOT BE ON THE AIR

USE THE "OTHER" COLUMN FOR PERSONAL OR NON-STANDARD EQUIPMENT THAT IS COMPLIANT

VHF Frequency Designator - Table 3

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
R09P	HOUSTON DOWNTOWN	3-1					
R14P	HOUSTON NORTH	3-2					
R50P	KERRVILLE	3-3					
R52P	KING MOUNTIAN	3-4					
	RESERVED	3-5					
R21P	LUBBOCK	3-6					
R36P	MIDLAND	3-7					
R40P	SAN ANGELO	3-8					
R26P	SAN ANTONIO NORTH	3-9					
R57P	SAN ANTONIO SOUTH	3-10					
R56P	SHERMAN	3-11					
R60P	SULPHUR SPRINGS	3-12					
R07P	TYLER	3-13					
R27P	VICTORIA	3-14					
R41P	WICHITA FALLS	3-15					
	RESERVED	3-16					

SOME EFJ RADIOS HAVE WIDEBAND CHANNELS PROGRAMMED IN THIS ZONE. DO NOT USE ZONE 3 IF THE DESIGNATORS READ V1 ETC OR PA ETC...USE THIS ZONE ONLY IF IT HAS BEEN UPDATED AND HAS A REPEATER LOCATION NAME, EXAMPLE:ABILENE
SOME OF THE REPEATER LOCATIONS MAY NOT BE ON THE AIR

VHF Frequency Designator - Table 4

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
TX LAW 1	TX WIDEBAND INTEROPABLITY	4-1	050	21	50		
TX LAW 2	TX WIDEBAND INTEROPABLITY	4-2	051	22	51		
TX LAW 3	TX WIDEBAND INTEROPABLITY	4-3	052	23	52		
TX FIRE 1	TX WIDEBAND INTEROPABLITY	4-4	053	24	53		
TX FIRE 2	TX WIDEBAND INTEROPABLITY	4-5	054	25	54		
TX FIRE 3	TX WIDEBAND INTEROPABLITY	4-6	055	26	55		
TX MED 1	TX WIDEBAND INTEROPABLITY	4-7	056	27	56		
TX AIR 2	TX WIDEBAND INTEROPABLITY	4-8	057	28	57		
WX1	LOCAL WEATHER 162.550	4-9			15		
WX2	LOCAL WEATHER 162.400	4-10			16		
WX3	LOCAL WEATHER 162.475	4-11			17		
WX4	LOCAL WEATHER 162.425	4-12			18		
WX5	LOCAL WEATHER 162.450	4-13			19		
WX6	LOCAL WEATHER `162.500	4-14			20		
WX7	LOCAL WEATHER 162.525	4-15			21		
		4-16					

TABLE 4 AND TABLE 5 CHANNELS ARE STATE OF TEXAS INTEROPERABLITY OR LIASON CHANNELS. THESE CHANNELS ARE TO BE USED ONLY WHEN DIRECTED, AT THE INVATATION OF STATE OR LOCAL AUTHORITY. THESE CHANNELS ARE TO BE USED ONLY FOR LIASON POURPOSES.
WX1—WX7 ARE NATIONAL WEATHER SERVICE(NOAA) ALL HAZARDS RECEIVE ONLY CHANNELS.

VHF Frequency Designator - Table 5

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
V CALL 10	TX NARROWBAND INTEROPERABLITY	5-1	058	29			
V TAC 11	TX NARROWBAND INTEROPERABLITY	5-2	059	30	30		
V TAC 12	TX NARROWBAND INTEROPERABLITY	5-3					
V TAC 13	TX NARROWBAND INTEROPERABLITY	5-4			34		
V TAC 14	TX NARROWBAND INTEROPERABLITY	5-5					
V FIRE 21	TX NARROWBAND INTEROPERABLITY	5-6	060	31	31		
V FIRE 22	TX NARROWBAND INTEROPERABLITY	5-7			37		
V FIRE 23	TX NARROWBAND INTEROPERABLITY	5-8			38		
V FIRE 24	TX NARROWBAND INTEROPERABLITY	5-9			39		
V FIRE 25	TX NARROWBAND INTEROPERABLITY	5-10			40		
V FIRE 26	TX NARROWBAND INTEROPERABLITY	5-11			41		
V MED 28	TX NARROWBAND INTEROPERABLITY	5-12			42		
V MED 29	TX NARROWBAND INTEROPERABLITY	5-13					
V LAW 31	TX NARROWBAND INTEROPERABLITY	5-14	062	00	44		
V LAW 32	TX NARROWBAND INTEROPERABLITY	5-15					
	RESERVED	5-16					

TABLE 4 AND TABLE 5 CHANNELS ARE STATE OF TEXAS INTEROPERABLITY OR LIASON CHANNELS. THESE CHANNELS ARE TO BE USED ONLY WHEN DIRECTED, AT THE INVENTATION OF STATE OR LOCAL AUTHRITY. THESE CHANNELS ARE TO BE USED ONLY FOR LIASON POURPOSES.

ON SOME EFJ RADIO THE CHANNELS FROM TABLE 5 START AFTER THE CHANNELS ON TABLE 4, IN ZONE 4. THESE RADIOS ALSO INCLUDE VTAC17, VTAC17D, VTAC19 AND VTAC19D WHICH ARE NO LONGER AUTHORIZED FOR USE

VHF Frequency Designator - Table 6

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
R101		**6-1**					
R102		**6-2**					
R103		**6-3**					
R104		**6-4**					
R105		**6-5**					
R106		**6-6**					
R107		**6-7**					
R101P		**6-8**					
R102P		**6-9**					
R103P		**6-10**					
R104P		**6-11**					
R105P		**6-12**					
R106P		**6-13**					
R107P		**6-14**					
R110		**6-15**					
R111		**6-16**					

TABLE 6 IS NORTHERN BOARDER ZONE NON STANDARD REPATERS
PERSONEL OPPERATING IN THE AREA OF THE CANADIAN BOARDER SHOULD RECEIVE SPECIFIC INSTRUCTION ON REPEATER USE, SIMPLEX USE AND ALTITUDE RESTRICTIONS BEFORE OPPERATIONS BEGIN.

VHF Frequency Designator - Table 7

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
CG 06		7-1	090	32	90		
CG 16		7-2	091	33	91		
CG 21A		7-3	092	34	92		
CG 22A		7-4	093	35	93		
CG 23A		7-5	094	36	94		
CG 81A		7-6	095	37	95		
CG 82A		7-7	096	38	96		
CG 83A		7-8	097	39	97		
VCALL10	NARROWBAND INTEROPERABLITY	7-9					
VTAC11	NARROWBAND INTEROPERABLITY	7-10			30		
VTAC12	NARROWBAND INTEROPERABLITY	7-11					
VTAC13	NARROWBAND INTEROPERABLITY	7-12			34		
VTAC14	NARROWBAND INTEROPERABLITY	7-13					
		7-14					
		7-15					
		7-16					

"CG" CHANNELS ARE COAST GUARD CHANNELS TO BE USED FOR LIASON OR INTEROPERABLITY USE ONLY.

THE NARROWBAND INTEROPERABLITY CHANNELS IN ZONE 7 ARE ALSO FOUND IN ZONE 5 OF TEXAS RADIOS.

VHF Frequency Designator - Table 8

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
R 01	GRANBURY Tulsa OK Tesuque NM	8-1	101	40	101		
R 02		8-2	102	41	102		
R 03	LaMosca NM	8-3	103	42	103		
R 04		8-4	104	43	104		
R 05		8-5	105	44	105		
R 06		8-6	106	45	106		
R 07	TYLER	8-7	107	46	107		
R 08	Stillwater OK	8-8	108	47	108		
R 09	BROWNSVILLE/HOUSTON	8-9	109	48	109		
R 10		8-10	110	49	110		
R 11	DALLAS NORTH Jennings LA	8-11	111	50	111		
R 12	Henderson AR	8-12	112	51	112		
R 13	EL PASO McAlester OK Ajo AZ	8-13	113	52	113		
R 14	HOUSTON NORTH Roswell NM	8-14	114	53	114		
R 15		8-15	115		NA		
R 16	AUSTIN Fletcher OK Mule Mtn AZ	8-16	116	54	116		

THIS TABLE IS FIXED ANALOG REPEATERS. SOME REPEATERS MAY NOT BE ON THE AIR. NAMES IN ALL CAPS ARE TEXAS REPEATERS
TO CHECK REPEATER STATUS, LOG INTO NTC WEB SITE AT https://ntc.cap.af.mil/login.cfm
THEN GO TO NATIONAL REPEATER DIRECTOY AT https://ntc.cap.af.mil/comm/repeaters/repeaters.cfm

VHF Frequency Designator - Table 9

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
R 17	Shreveport LA	9-1	117	55	117		
R 18	Houma LA White Tanks AZ	9-2	118	56	118		
R 19	Alexandria LA	9-3	119	57	119		
R 20	Hot Springs AR	9-4	120	58	120		
R 21	LUBBOCK	9-5	121	59	121		
R 22		9-6	122		122		
R 23		9-7	123	60	123		
R 24		9-8	124	61	124		
R 25	New Orleans LA	9-9	125	62	125		
R 26	SAN ANTONIO NORTH Vinita OK Sandia NM	9-10	126	63	126		
R 27	VICTORIA Batesville AR	9-11	127	64	127		
R 28	Cloudy Mtn OK	9-12	128	65	128		
R 29	BEAUMONT	9-13	129	66	129		
R 30		9-14	130	67	130		
R 31	Baton Rouge LA Magazine AR Havasu AZ	9-15	131	68	131		
R 32	Goltry OK	9-16	132	69	132		

CAP REPEATERS, BOTH FIXED AND TACTICAL (AIRBORNE) OPERATE IN DUEL MODE. IF THEY RECEIVE AN ANALOG TRANSMISSION, THEY TRANSMIT THE REPEATEED SIGNAL IN ANALOG. IF THEY RECEIVE P25 DIGITAL, THEY WILL REPEAT P25 DIGITAL.

VHF Frequency Designator - Table 10

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
R 33	Morgan City LA Towers Mtn AZ	10-1	133	70	133		
R 34	Yuma AZ	10-2	134	71	134		
R 35	AMARILLO	10-3	135	72	135		
R 36	MIDLAND Turner OK	10-4	136	73	136		
R 37	Cannon AFB NM	10-5	137	74	137		
R 38	Lake Charles LA Caballo NM Kingman AZ	10-6	138	75	138		
R 39	West Fork AR	10-7	139	76	139		
R 40	SAN ANGELO Monroe, LA	10-8	140	77	140		
R 41	WICHITA FALLS	10-9	141	78	141		
R 42	ABILENE	10-10	142	79	142		
R 43		10-11	143	80	143		
R 44	DECATUR Lafayette LA San Antonio NM Greens Peak AZ	10-12	144	81	144		
R 45		10-13	145	82	145		
R 46	CORPUS CHRISTI Texarkana AR Mt Elden AZ	10-14	146	83	146		
R 47	COLORADO COUNTY Knickerbocker Pk NM	10-15	147	84	147		
R 48	Monticello AR Squaw Peak AZ	10-16	148	85	148		

THIS TABLE IS FIXED ANALOG REPEATERS.

VHF Frequency Designator - Table 11

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
R 49	BELTON Socorro Peak NM Mt Ord AZ	11-1	149	86	149		
R 50	KERRVILLE	11-2	150	87	150		
R 51		11-3	151	88	151		
R 52	KING MOUNTIAN	11-4	152	89	152		
R 53		11-5	153	90	153		
R 54		11-6	154	91	154		
R 55		11-7	155	92	155		
R 56	SHERMAN Lacombex LA Shinall AR Mt Lemmon AZ	11-8	156	93	156		
R 57	SAN ANTONIO SOUTH Snyder OK Jacks Peak NM	11-9	157	94	157		
R 58	DALLAS SOUTH	11-10	158	95	158		
R 59	Camden AR Oklahoma City OK	11-11	159	96	159		
R 60	SULPHER SPRINGS	11-12	160	97	160		
R 61	Forest City AR Cathey NM	11-13	161	98	161		
R 62		11-14	162	99	162		
R 63		11-15	163	11	163		
R 64		11-16	164	12	164		

THIS TABLE IS FIXED ANALOG REPEATERS. SOME REPEATERS MAY NOT BE ON THE AIR.

VHF Frequency Designator - Table 12

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
R 01 P	GRANBURY Tulsa OK Tesuque NM	12-1					
R 02 P		12-2					
R 03 P	LaMosca NM	12-3					
R 04 P		12-4					
R 05 P		12-5					
R 06 P		12-6					
R 07 P	TYLER	12-7					
R 08 P	Stillwater OK	12-8					
R 09 P	BROWNSVILLE/HOUSTON	12-9					
R 10 P		12-10					
R 11 P	DALLAS NORTH Jennings LA	12-11					
R 12 P	Henderson AR	12-12					
R 13 P	EL PASO McAlester OK Ajo AZ	12-13					
R 14 P	HOUSTON NORTH Roswell NM	12-14					
R 15 P		12-15					
R 16 P	AUSTIN Fletcher OK Mule Mtn AZ	12-16					

THIS TABLE IS FIXED DIGITAL OR P25 REPEATERS
TDFM 136 RADIOS WILL HAVE ALL P25 DIGITAL REPEATER CHANNELS WHEN VERSION 3 SOFTWARE IS INSTALLED.
NAT AND TAIT RADIOS CANNOT OPERATE ON P25 DIGITAL MODE

VHF Frequency Designator - Table 13

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
R 17 P	Shreveport LA	13-1					
R 18 P	Houma LA White Tanks AZ	13-2					
R 19 P	Alexandria LA	13-3					
R 20 P	Hot Springs AR	13-4					
R 21 P	LUBBOCK	13-5					
R 22 P		13-6					
R 23 P		13-7					
R 24 P		13-8					
R 25 P	New Orleans LA	13-9					
R 26 P	SAN ANTONIO NORTH Vinita OK Sandia NM	13-10					
R 27 P	VICTORIA Batesville AR	13-11					
R 28 P	Cloudy Mtn OK	13-12					
R 29 P	BEAUMONT	13-13					
R 30 P		13-14					
R 31 P	Baton Rouge LA Magazine AR Havasu AZ	13-15					
R 32 P	Goltry OK	13-16					

THIS TABLE IS FIXED P25 DIGITAL REPEATERS. SOME REPEATERS MAY NOT BE ON THE AIR.
TO CHECK REPEATER STATUS, LOG INTO E-SERVICES WEB SITE AT
https://www.capnhq.gov/CAP.eServices.Web/eServices.aspx. Click on "Communications" link at bottom,
THEN GO TO NATIONAL REPEATER DIRECTOY AT Repeater Directory

VHF Frequency Designator - Table 14

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
R 33 P	Morgan City LA Towers Mtn AZ	14-1					
R 34 P	Yuma AZ	14-2					
R 35 P	AMARILLO	14-3					
R 36 P	MIDLAND Turner OK	14-4					
R 37 P	Cannon AFB NM	14-5					
R 38 P	Lake Charles LA Caballo NM Kingman AZ	14-6					
R 39 P	West Fork AR	14-7					
R 40 P	SAN ANGELO Monroe, LA	14-8					
R 41 P	WICHITA FALLS	14-9					
R 42 P	ABILENE	14-10					
R 43 P		14-11					
R 44 P	DECATUR Lafayette LA San Antonio NM Greens Peak AZ	14-12					
R 45 P		14-13					
R 46 P	CORPUS CHRISTI Texarkana AR Mt Elden AZ	14-14					
R 47 P	COLORADO COUNTY Knickerbocker Pk NM	14-15					
R 48 P	Monticello AR Squaw Peak AZ	14-16					

AUDIO QUALITY OF P25 DIGITAL CHANNELS IS GENERALLY BETTER THEN ANALOG CHANNELS. THERE IS LITTLE OR NO BACKGROUND NOISE.

VHF Frequency Designator Table 15

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT		Remarks / Notes
R 49 P	BELTON Socorro Peak NM Mt Ord AZ	15-1					
R 50 P	KERRVILLE	15-2					
R 51 P		15-3					
R 52 P	KING MOUNTIAN	15-4					
R 53 P		15-5					
R 54 P		15-6					
R 55 P		15-7					
R 56 P	SHERMAN Lacombex LA Shinall AR Mt Lemmon AZ	15-8					
R 57 P	SAN ANTONIO SOUTH Snyder OK Jacks Peak NM	15-9					
R 58 P	DALLAS SOUTH	15-10					
R 59 P	Camden AR Oklahoma City OK	15-11					
5 60 P	SULPHER SPRINGS	15-12					
R 61 P	Forest City AR Cathey NM	15-13					
R 62 P		15-14					
R 63 P		15-15					
R 64 P		15-16					

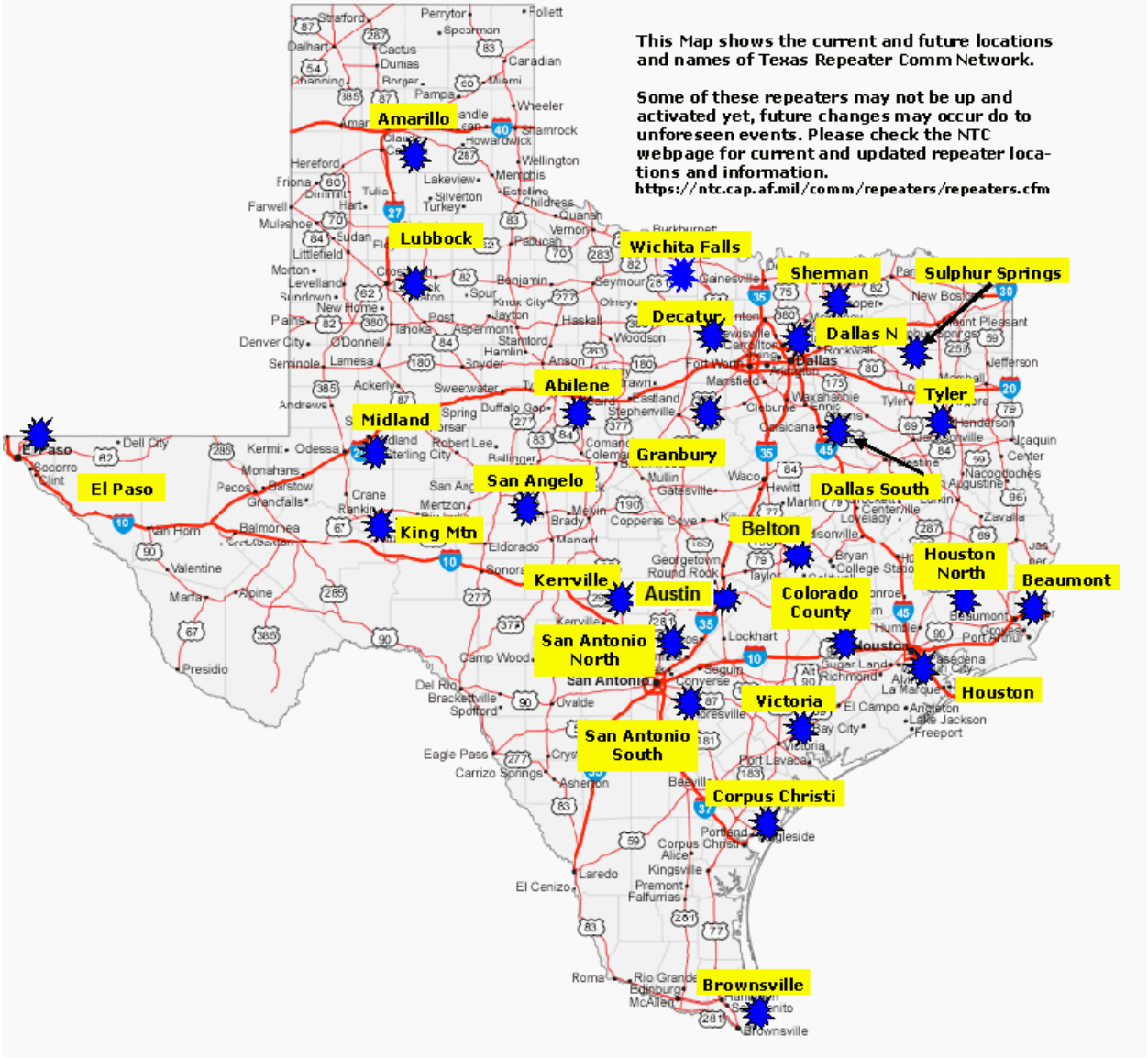
THIS TABLE IS FIXED P25 DIGITAL REPEATERS. SOME REPEATERS MAY NOT BE ON THE AIR.
TO CHECK REPEATER STATUS, LOG INTO E-SERVICES WEB SITE AT
https://www.capnhq.gov/CAP.eServices.Web/eServices.aspx. Click on "Communications" link at bottom,
THEN GO TO NATIONAL REPEATER DIRECTOY AT Repeater Directory

VHF Frequency Designator - Table 16

Designator	Remarks / Use	EFJ Z/CH	TDFM 136	NAT	TAIT	PDR 3500	Remarks / Notes
CC1P	Command Control 1 Digital	16-1	014				
CC2P	Command Control 2 Digital	16-2	015				
AIR1P	Air To Air 1 Digital	16-3	016				
AIR2P	Air to Air 2 Digital	16-4	017				
CAPGUARD	CAPGUARD ANALOG	16-5	GD1				
TAC1P	Tactical 1 Digital	16-6	019				
CH1 MON	RECEIVE ONLY ODD NUMBER REPEATERS	16-7					
CH2 MON	RECEIVE ONLY EVEN NUMBER REPEATERS	16-8					
R67P	TACTICAL REPEATER	16-9	020			3/9	
R68P	TACTICAL REPEATER	16-10	021			4/10	
R69P	TACTICAL REPEATER	16-11	022			5/11	
R70P	TACTICAL REPEATER	16-12	023			6/12	
R63P	TACTICAL REPEATER	16-13	024			1/7	
R64P	TACTICAL REPEATER	16-14	025			2/8	
		16-15					
		16-16					

EFJ ZONE 16 CHANNELS ARE SAME AS Z1 CHANNELS EXCEPT THEY ARE P25 DIGITAL. THE EFJ RADIOS ARE PROGRAMMED FOR 'DUEL MODE' OPERATION, SO THEY WILL RECEIVE EITHER ANALOG OR DIGITAL, BUT WILL ONLY TRANMIT IN ONE TYPE. ANY DESIGNATOR THAT ENDS IN "P" WILL TRANSMIT P25, DESIGNATORS THAT DO NOT END IN "P" TRANSMIT ANALOG.
TDFM 136 RADIOS WILL NOT RECEIVE IN DUEL MODE, IF THEY ARE ON AN ANALOG CHANEL, THEY WILL RECEIVE ANALOG, IF ON A P25 DIGITAL CHANNEL THEY WILL RECEIVE P25 DIGITAL.
NAT AND TAIT RADIOS DO NOT HAVE P25 DIGITAL CAPABLITY.

NAROWBAND REPEATER LOCATIONS



HF Frequency Designator - Table 1

Designator	Remarks / Use	Micom 3 Channel	Micom 2B Channel	Remarks / Notes
NRA	NHQ CHANNEL	1	1	
NRB	NHQ CHANNEL	2	2	
NRC	NHQ CHANNEL	3	3	
NRD	NHQ CHANNEL	4	4	
	WWV-5	5	5	
	WWV-10		6	
	WWV-15		7	
	WWV-20		8	
	WWV-25		9	
NEA	NER NET 1	10	10	
NEB	NER NET 1	11	11	
NEC	NER NET 1	12	12	
NED	NER NET 1	13	13	
NEE	NER NET 1	14	14	
NEF	NER NET 1	15	15	
NEG	NER NET 1	16	16	
NEH	NER NET 1	17	17	
		18		
		19		
		20		

NRA, NRB, NRC AND NRD ARE CONVENTIONAL (NOT ALE) CHANNELS MICOM 3 INCLUDES ALL 200 CHANNEL RADIOS: 2E, 3F, 3TS (MOBILE) AND RAPID DEPLOYMENT KIT (REPEATER)

HF Frequency Designator - Table 2

Designator	Remarks / Use	Micom 3 Channel	Micom 2 Channel	Remarks / Notes
		21		
		22		
MEA	MER NET 2	23	35	
MEB	MER NET 2	24	36	
MEC	MER NET 2	25	37	
MED	MER NET 2	26	38	
MEE	MER NET 2	27	39	
MEF	MER NET 2	28	40	
MEG	MER NET 2	29	41	
MEH	MER NET 2	30	42	
MEI	MER NET 2	31	43	
		32		
		33		
		34		
		35		
GLA	GLR NET 3	36	45	
GLB	GLR NET 3	37	46	
GLC	GLR NET 3	38	47	
GLD	GLR NET 3	39	48	
GLE	GLR NET 3	40	49	

MICOM 2B RADIO HAS 100 CHANNELS AND HAS A DIFFERENT PROGRAM IN EACH REGION

HF Frequency Designator - Table 3

Designator	Remarks / Use	Micom 3 Channel	Micom 2 Channel	Remarks / Notes
GLF	GLR NET 3	41	50	
GLG	GLR NET 3	42	51	
GLH	GLR NET 3	43	52	
GLI	GLR NET 3	44	53	
		45		
		46		
		47		
		48		
SEA	SER NET 4	49	55	
SEB	SER NET 4	50	56	
SEC	SER NET 4	51	57	
SED	SER NET 4	52	58	
SEE	SER NET 4	53	59	
SEF	SER NET 4	54	60	
SEG	SER NET 4	55	61	
SEH	SER NET 4	56	62	
SEI	SER NET 4	57	63	
SEJ	SER NET 4	58	64	
		59		
		60		

ALL 200 CHANNELS RADIOS (MICOM 3, MICOM 2E) HAVE NATIONAL STANDARD PROGRAMMING FOR CHANNELS 1 THRU 169.

HF Frequency Designator - Table 4

Designator	Remarks / Use	Micom 3 Channel	Micom 2 Channel	Remarks / Notes
		61		
		62		
NCA	NCR NET 5	63	66	
NCB	NCR NET 5	64	67	
NCC	NCR NET 5	65	68	
NCE	NCR NET 5	67	70	
NCF	NCR NET 5	68	71	
NCG	NCR NET 5	69	72	
NCH	NCR NET 5	70	73	
NCI	NCR NET 5	71	74	
NCD	NCR NET 5	72	75	
		73		
		74		
		75		
SWA	SWR NET 6	76	76	
SWB	SWR NET 6	77	77	
SWC	SWR NET 6	78	78	
SWD	SWR NET 6	79	79	
SWE	SWR NET 6	80	80	

SWR REGION NET 6 IS PROGRAMMED IN THE SAME CHANNELS ON ALL MICOM RADIOS.

HF Frequency Designator - Table 5

Designator	Remarks / Use	Micom 3 Channel	Micom 2 Channel	Remarks / Notes
SWF	SWR NET 6	81	81	
SWG	SWR NET 6	82	82	
SWH	SWR NET 6	83	83	
SWI	SWR NET 6	84	84	
SWJ	SWR NET 6	85	85	
		86		
		87		
		88		
		89		
RMA	RMR NET 7	90	87	
RMB	RMR NET 7	91	88	
RMC	RMR NET 7	92	89	
RMD	RMR NET 7	93	90	
RME	RMR NET 7	94	91	
RMF	RMR NET 7	95	92	
RMG	RMR NET 7	96	93	
RMH	RMR NET 7	97	94	
RMI	RMR NET 7	98	95	
RMJ	RMR NET 7	99	96	
		100		

USE DESIGNATORS WHEN DIRECTING ANOTHER STATION OR A NET TO CHANGE CHANNELS.

HF Frequency Designator - Table 6

Designator	Remarks / Use	Micom 3 Channel	Micom 2 Channel	Remarks / Notes
		101		
		102		
		103		
		104		
PCA	PCR NET 8	105	18	
PCB	PCR NET 8	106	19	
PCC	PCR NET 8	107	20	
PCD	PCR NET 8	108	21	
PCE	PCR NET 8	109	22	
PCF	PCR NET 8	110	23	
PCG	PCR NET 8	111	24	
PCH	PCR NET 8	112	25	
PCI	PCR NET 8	113	26	
PCJ	PCR NET 8	114	27	
		115		
		116		
		117		
		118		
		119		
NNA	NQH NET 9	120		

MICOM 2B RADIOS FROM OUTSIDE SOUTHWEST REGION MAY BE PROGRAMMED WITH A DIFFERENT CHANNEL PLAN, THEREFORE THE CHANNEL NUMBERS WIILL NOT CORRESPOND.

HF Frequency Designator - Table 7

Designator	Remarks / Use	Micom 3 Channel	Micom 2 Channel	Remarks / Notes
NNB	**NHQ NET 9**	**121**		
NNC	**NHQ NET 9**	**122**		
NND	**NHQ NET 9**	**123**		
NNE	**NHQ NET 9**	**124**		
NNF	**NHQ NET 9**	**125**		
NNG	**NHQ NET 9**	**126**		
NNH	**NHQ NET 9**	**127**		
NNI	**NHQ NET 9**	**128**		
NNJ	**NHQ NET 9**	**129**		
NNK	**NHQ NET 9**	**130**		
NNL	**NHQ NET 9**	**131**		
NNM	**NHQ NET 9**	**132**		
NNN	**NHQ NET 9**	**133**		
NNO	**NHQ NET 9**	**134**		
NNP	**NHQ NET 9**	**135**		
NNQ	**NHQ NET 9**	**136**		
NNR	**NHQ NET 9**	**137**		
NNS	**NHQ NET 9**	**138**		
NNT	**NHQ NET 9**	**139**		
NNU	**NHQ NET 9**	**140**		

NHQ NET 9 MAY BE USED BY REGION STATIONS WITH PERMISSION THRU COMPERMISSIONS.

HF Frequency Designator - Table 8

Designator	Remarks / Use	Micom 3 Channel	Micom 2 Channel	Remarks / Notes
		141		
		142		
		143		
		144		
		145		
		146		
		147		
		148		
		149		
FEMA 5	FEMA 5.211	150	98	
FEMA10	FEMA 10.493	151	99	
WWV5	TIME 5 MHZ	152	5	
WWV10	TIME 10 MHZ	153	6	
WWV15	TIME 15 MHZ	154	7	
WWV20	TIME 20 MHZ	155	8	
		156		
		157		
		158		
		159		
		160		

FEMA CHANNELS USED AS DIRECTED.

HF Frequency Designator - Table 9

Designator	Remarks / Use	Micom 3 Channel	Micom 2 Channel	Remarks / Notes
		161		
		162		
		163		
		164		
		165		
		166		
		167		
		168		
		169		
		170		
		171		
		172		
		173		
		174		
		175		
		176		
		177		
		178		
		179		
		180		

CHANNELS ABOVE 170 MAY BE PROGRAMMED AS DIREDTED BY THE REGION DCS COMM

HF Frequency Designator - Table 10

Designator	Remarks / Use	Micom 3 Channel	Micom 2 Channel	Remarks / Notes
		181		
		182		
		183		
		184		
		185		
		186		
		187		
		188		
		189		
		190		
		191		
		192		
		193		
		194		
		195		
		196		
		197		
		198		
		199		
		200		

CHANNELS ABOVE 170 MAY BE PROGRAMMED AS DIREDTED BY THE REGION DCS COMM

CAP VOICE AND ALE CALLSIGNS - TABLE 1

UNIT	VOICE CALLSIGN PREFIX	ALE SUFFIX	AIRCRAFT CALLSIGN RANGE	ALE NET MICOM3/ MICOM2 CHANNELS	HF CHANNELS
NATIONAL HEADQUARTERS	HEADCAP	xxxNHQCAP	CAP001-099	1-4/1-4 NET 9 120—140/NA	NRA-NRD NNA-NNU
NORTHEAST REGION HQ	CAP STONE	xxxNERCAP	CAP9101-9199	NET 1 10-18/10-18	NEA-NEH
CONNECTICUT	CHARTER OAK	xxxxCTCAP	CAP601-699		
MAINE	DOWN EAST	xxxxMECAP	CAP1701—1799		
MASSACHUSETTS	PATRIOT	xxxxMACAP	CAP 1901– 1999		
NEW HAMPSHIRE	ABENAKI	xxxxNHCAP	CAP 2801-2899		
NEW JERSEY	RED DRAGON	xxxxNJCAP	CAP 2901—2999		
NEW YORK	WHITE PEAK	xxxxNYCAP	CAP 3101—3199		
PENNSYLVANIA	PENN CAP	xxxxPACAP	CAP 3701– 3799		
RHODE ISLAND	NARRAGANSETT	xxxxRICAP	CAP 3801– 3899		
VERMONT	VERMONT CAP	xxxxVTCAP	CAP 4401-4499		
MIDDLE EAST REGION HQ	MIDDLE EAST	xxxMERCAP	CAP 9201—9299	NET 2 23-31/35-43	MEA-MEI
DELAWARE	DIAMOND FLIGHT	xxxxDECAP	CAP 701—799		
MARYLAND	FREE STATE	xxxxMDCAP	CAP 1801—1899		
NATIONAL CAPITAL	NAT CAP	xxxxDCCAP	CAP 2501—2599		
NORTH CAROLINA	CAP KITTY HAWK	xxxxNCCAP	CAP 3201 -- 3299		
SOUTH CAROLINA	SAND LAPPER	xxxxSCCAP	CAP 3901—3999		
VIRGINIA	JEFFERSON	xxxxVACAP	CAP 4501—4599		
WEST VIRGINIA	HILL CAP	xxxxWVCAP	CAP 4701—4799		

NET # REFERS TO THE ALE NET AS ASSIGNED IN THE RADIO PROGRAM. THE SET OF NUMBERS UNDER THE NET # ARE THE CHANNELS WHERE THE NET IS PROGRAMMED, FIRST IN THE MICOM 3 RADIO AND THEN IN THE MICOM 2 RADIOS, EX: NET 2 23-31/35-43.

CAP VOICE AND ALE CALLSIGNS - TABLE 2

UNIT	VOICE CALLSIGN PREFIX	ALE SUFFIX	AIRCRAFT CALLSIGN RANGE	ALE NET MICOM3/MICOM2 CHANNELS	HF CHANNELS
GREAT LAKES REGION HQ	**BLUE LAKES**	**xxxGLRCAP**	**CAP 9301—9399**	**NET 3 36-44/45-53**	**GLA—GLI**
ILLINOIS	**RED FOX**	**xxxxILCAP**	**CAP1101—1199**		
INDIANA	**RED FIRE**	**xxxxINCAP**	**CAP 1201—1299**		
KENTUCKY	**KENTUCKY CAP**	**xxxxKYCAP**	**CAP 1501 –1599**		
MICHIGAN	**RED ROBIN**	**xxxxMICAP**	**CAP 2001—2099**		
OHIO	**COLUMBUS**	**xxxxOHCAP**	**CAP 3401—3499**		
WISCONSIN	**BLUE MOUND**	**xxxxWICAP**	**CAP 4801—4899**		
SOUTHEAST REGION HQ	**SOUTH EAST CAP**	**xxxSERCAP**	**CAP 9401—9499**	**NET 4 49-58/55-64**	**SEA-SEI**
ALABAMA	**GOLDEN ROD**	**xxxxALCAP**	**CAP 101—199**		
FLORIDA	**FLORIDA CAP**	**xxxxFLCAP**	**CAP 801—899**		
GEORGIA	**GEORGIA CAP**	**xxxxGACAP**	**CAP 901—999**		
MISSISSIPPI	**MOCKINGBIRD**	**xxxxMSCAP**	**CAP 2201—2299**		
PUERTO RICO	**PUERTO RICO CAP**	**xxxxPRCAP**	**CAP 5201—5299**		
TENNESSEE	**TENNESSEE CAP**	**xxxxTNCAP**	**CAP 4101—4199**		
NORTH CENTRAL REGION HQ	**NORTH CENTRAL**	**xxxNCRCAP**	**CAP 9501—9599**	**NET 5 63-71/66-74**	**NCA-NCI**
IOWA	**IOWA CAP**	**xxxxIACAP**	**CAP 1301—1399**		
KANSAS	**YELLOW BRICK**	**xxxxKSCAP**	**CAP 1401—1499**		
MINNESOTA	**STAR FISH**	**xxxxMNCAP**	**CAP 2101—2199**		
MISSOURI	**MOW CAP**	**xxxxMOCAP**	**CAP 2301 2399**		
NEBRASKA	**RED CLOUD**	**xxxxNECAP**	**CAP 2601—2699**		
NORTH DAKOTA	**PEACE GARDEN**	**xxxxNDCAP**	**CAP 3301 –3399**		
SOUTH DAKOTA	**GRASSLANDS**	**xxxxSDCAP**	**CAP 4001—4099**		

CAP VOICE AND ALE CALLSIGNS - TABLE 3

UNIT	VOICE CALLSIGN PREFIX	ALE SUFFIX	AIRCRAFT CALLSIGN RANGE	ALE NET MICOM3/ MICOM2 CHANNELS	HF CHANNELS
SOUTHWEST REGION HQ	**CAP WEST**	**xxxSWRCAP**	**CAP 9601—9699**	**NET 6 76-85/76-85**	**SWA-SWJ**
ARIZONA	**RED ROCK**	**xxxxAZCAP**	**CAP 201—299**		
ARKANSAS	**WILD WOOD**	**xxxxARCAP**	**CAP 301—399**		
LOUISIANA	**LOUISIANA**	**xxxxLACAP**	**CAP 1601—1699**		
NEW MEXICO	**SHIP ROCK**	**xxxxNMCAP**	**CAP 3001—3099**		
OKLAHOMA	**OIL WELL**	**xxxxOKCAP**	**CAP 3501—3599**		
TEXAS	**TEXAS CAP**	**xxxxTXCAP**	**CAP 4201—4299**		
ROCKY MOUNTIAN REGION HQ	**ASPEN GOLD**	**xxxRMRCAP**	**CAP 9701—9799**	**NET 7 90-96/87-96**	**RMA-RMJ**
COLORADO	**BLUE MESA**	**xxxxCOCAP**	**CAP 501—599**		
IDAHO	**STAR GARNET**	**xxxxIDCAP**	**CAP 1001—1099**		
MONTANA	**BLACK GRANITE**	**xxxxMTCAP**	**CAP 2401—2499**		
UTAH	**UNMCLE MIKE**	**xxxxUTCAP**	**CAP 4301 4399**		
WYOMING	**HIGH PLAINS**	**xxxxWYCAP**	**CAP 4901—4999**		
PACIFIC REGION HQ	**WESTERN**	**xxxPCRCAP**	**CAP 9801—9899**	**NET 8 105-114/18-27**	**PCA-PCJ**
ALASKA	**SOURDOUGH**	**xxxxAKCAP**	**CAP 5001-5099 CAP 6101-6199**		
CALIFORNIA	**YOSEMOTE**	**xxxxCACAP**	**CAP 401—499 CAP 6001-6099**		
HAWAII	**FIREBRAND**	**xxxxHICAP**	**CAP 5101—5199**		
NEVADA	**SILVER STATE**	**xxxxNECAP**	**CAP 2701—2799**		
OREGON	**BEAVER FOX**	**xxxxORCAP**	**CAP 3601—3699**		
WASHINGTON	**WASHINGTON CAP**	**xxxxWACAP**	**CAP 4601—4699**		

NOTES

TEXAS WING UNIT CALL SIGNS - TABLE 1

CHARTER	UNIT NAME	LOCATION	RADIO CALL SIGNS	VEHICLE CALL SIGN	AIRCRAFT CALL SIGN
TX001	TEXAS WING HQ	NACOGDOCHES	TC 1—99	TC0109 TC0120 TC0130	
TX999	TX LEGISLATIVE	AUSTIN			
TX010	HQ GROUP I	EL PASO	TC100 –199		
TX023	SAN ANGLEO CS	SAN ANGELO	TC1700-1799	TC 0114	
TX123	THREE RIVERS FLIGHT	SAN ANGELO	TC1450-1499		
TX196	MIDLAND CS	MIDLAND	TC1400-1449	TC0140	
TX215	EL PASO CS	EL PASO	TC1800-1899	TC0139	
TX293	LUBBOCK CS	LUBBOCK	TC 1200—1299	TC0121 0121TXCAP	
TX353	TIGERSHARK CS	AMARILLO	TC1100-1199		
TX806	TX LDRSHP CHARTER ACADEMY CS	SAN ANGELO	TC 1500–1549		
TX020	HQ GROUP II	SULPHUR SPRINGS	TC 200—299		
TX051	PLANO MUSTANGS CS	PLANO	TC 2100 – 2149	TC0124 0124TXCAP	
TX085	TYLER CS	TYLER	TC2050—2099	TC0991	
TX089	GREGG COUNTY CS	LONGVEIW	TC2200—2249	TC0107	
TX262	TEXOMA CS	DENISON	TC 2300—2349	TC0108	
TX295	THUNDERBOLT CS	FAIRVEIW	TC 2350 2399	TC0128	
TX354	LAKESHORE CS	ROCKWALL	TC 2450—2499		
TX389	FRISCO CADET SQDN	FRISCO	TC 2650—2699		
TX436	GLADEWATER CS	GLADWATER	TC2550—2599		

TEXAS WING UNIT CALL SIGNS - TABLE 2

CHARTER	UNIT NAME	LOCATION	RADIO CALL SIGNS	VEHICLE CALL SIGN	AIRCRAFT CALL SIGN
TX450	SULPHUR SPRINGS CS	SULPHUR SPRINGS	TC 2750—2799	TC0135 0135TXCAP	
TX455	NACOGDOCHES CADET SQDN	NACOGDOCHES	TC2800—2849		
TX030	HQ GROUP III	DALLAS	TC 300—399	TC0132	
TX076	CRUSADER CS	GRAND PRAIARE	TC 3000—3049		
TX133	IRVING CS	IRVING	TC 3850—3899		
TX148	WACO CS	WACO	TC 3150—3199		
TX214	BLACK SHEEP CS	MESQUITE	TC 3200—3249	TC0127 0127TXCAP	
TX376	WAXAHACHIE CS	WAXAHACHIE	TC 3400—3449		
TX390	ADDISON EAGLES CS	ADDISON	TC 3450—3499	TC0999	
TX391	DALLAS CS	DALLAS	TC 3500—3549		
TX428	REDBIRD CS	DALLAS	TC3700—3749		
TX803	RED OAK HAWKS CS	RED OAK	TC 3800—3849		
TX040	HQ GROUP IV	HOUSTON	TC 400—499		
TX098	ELLINGTON CS	HOUSTON	TC 4000—4049	TC0129	
TX176	7-6 AIR CAV CS	CONROE	TC 4050—4099	TC0116	
TX177	SAM HOUSTON FLIGHT	HOUSTON	TC 4100—4149		
TX179	THUNDERBIRD CS	HOUSTON	TC 4150—4199	TC0137	
TX186	SPINDLETOP CADET SQDN	BEAUMONT	TC 4300—4349	TC0115	

TEXAS WING UNIT CALL SIGNS - TABLE 3

CHARTER	UNIT NAME	LOCATION	RADIO CALL SIGNS	VEHICLE CALL SIGN	AIRCRAFT CALL SIGN
TX268	BAYTOWN SENIOR SQDN	BAYTOWN	TC 4350—4399		
TX334	DELTA CS	HOUSTON	TC 4400—4449	TC0123 0123TXCAP	
TX360	SUGARLAND CS	HOUSTON	TC 4450—4499	TC0133 0133TXCAP	
TX409	MARADER CS	KINGWOOD	TC 4500—4549	TC0105	
TX447	SABER SENIOR SQDN	HOUSTON	TC 4700—4749		
TX448	COLORADO COUNTY FLIGHT	COLUMBUS	TC 4750—4799		
TX451	HOBBY SENIOR SQDN	HOUSTON	TC 4800—4849		
TX802	SHELDON CADET SQDN	HOUSTON	TC 4850—4899	TC0104	
TX808	EAST HOUSTON CADET SQDN	HOUSTON	TC 4900-4949		
TX050	GROUP V HQ	SAN ANTONIO	TC 500 –599	TC0118 0118TXCAP TC0988	
TX007	LACKLAND CADET SQDN	SAN ANTONIO	TC 5000– 5049		
TX041	GEORGE HW BUSH CS	BRYAN	TC 5600—5649	TC0141	
TX142	RANDOLPH CS	SAN ANTONIO	TC 5200—5249		
TX187	ALAMO CS	SAN ANTONIO	TC 5250—5299		
TX351	PEGASUS CS	AUSTIN	TC 5750—5799	TC0136 0138TXCAP	
TX352	KITTINGER PHANTOM CS	AUSTIN	TC 5300—5349		
TX371	APOLLO CS	GEORGETOWN	TC 5350—5399	TC0134	
TX403	SHOEMAKER CS	BELTON	TC 5550—5599	TC0138	
TX424	BEXAR COUNTY SENIOR SQDN	SAN ANTONIO	TC 5400—5449		

TEXAS WING UNIT CALL SIGNS - TABLE 4

CHARTER	UNIT NAME	LOCATION	RADIO CALL SIGNS	VEHICLE CALL SIGN	AIRCRAFT CALL SIGN
TX435	TEX HILL CS	SAN MARCOS	TC5450—5499		
TX442	KERRVILLE CS	KERRVILLE	TC 5500– 5549	TC0131	
TX060	GROUP VI HQ	FORT WORTH	TC600—699	TC0142	
TX087	MINERAL WELLS FLIGHT	MINERAL WELLS	TC 6800—6899		
TX129	FORT WORTH SENIOR SQDN	FORT WORTH	TC 6400-6499		
TX131	131ST JOHNSON COUNTY CS	CLEBURNE	TC 6200—6299		
TX154	SOUTH FORT WORTH CS	FORT WORTH	TC 6900-6999	TC0113	
TX313	ABILENE CS	ABILIENE	TC6300-6399		
TX388	PHOENIX CS	FORT WORTH	TC 6500—6599		
TX413	NIGHT HAWK CS	DENTON	TC 6100– 6199	TC0110 TC0112 0122TXCAP	
TX430	RIO del FIERRO CS	WICHITA FALLS	TC 6600—6699		
TX441	441ST CS	GRANBURY	TC 6700—6799		
TX456	AZLE CS	AZLE	TC6000-6099		
TX070	GROUP VII HQ	BROWNSVILLE	TC700—799		
TX026	CORPUS CHRISTI CS	CORPUS CHRISTI	TC 7100—7149		
TX091	BROWNSVILLE CS	BROWNSVILLE	TC 7150—7199	TC0126 0126TXCAP	
TX127	BAY CITY CS	BAY CITY	TC7650-7699		
TX241	WILD HORSE CS	MCALLEN	TC 7300—7349		
TX386	VICTORIA CS	VICTORIA	TC 7350– 7399		
TX454	COASTAL BEND CADET SQDN	KINGSVILLE	TC—7550—7599	TC0125 0125TXCAP	

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TEXAS WING