

Rev 5/20  
Ver 1.1

Civil Air Patrol  
North Carolina Wing  
U. S. Air Force Auxiliary

## Technisonics TDFM-9100 Multi-Band Radio REFERENCE



GLOSSARY



**NOTE: The manufacturer of the radio has excellent training products to support this unit. HOWEVER, some of the features of the radio have been changed from the manufacturer's default settings to settings that are more appropriate for the missions conducted by the Civil Air Patrol. This guide is to be considered the most up to date authority on feature sets, button nomenclature and mode layout of the radio.**

## GLOSSARY OF TERMS

CHANNEL – Term that describes a specific radio frequency in conventional radio.

CONVENTIONAL – Term that describes a radio function where radio signals are transmitted, processed and received without the use of a computer to perform a trunking function.

CTCSS – Acronym. Continuous Tone-Coded Squelch System. A sub-audible analog tone that is transmitted with analog voice communication that opens the squelch on another radio. Used to prevent unwanted opening of squelch due different users on the same frequency. Commercially known as “PL Tone” or “Channel Guard”. Available CTCSS tones are listed in a separate tab.

CSQ – Carrier Squelch. The radio will open squelch on any transmission received on the tuned frequency. Radios programmed with CSQ are subject to interference and unwanted skips from distant stations on the same frequency. This is multiplied with altitude in an aircraft.

GLOSSARY

DCS - Acronym. Digital Coded Squelch. A sub-audible digital tone that is transmitted with analog voice communication that opens the squelch on another radio. Used to prevent unwanted opening of squelch due different users on the same frequency. Commercially known as “DPL Tone” or “Digital Channel Guard”. Available DCS tones are listed in a separate tab.

MODE – A slot in the radio for an individual channel or talkgroup to be programmed.

MONITOR – In conventional radio, turning monitor function on turns off the requirement for a radio transmission to have the correct CTCSS/DCS/NAC code in order to open the radio squelch.

NAC – Acronym. Network Access Code. A sub-audible digital tone that is transmitted with digital (P25) voice communication that opens the squelch on another radio. Used to prevent unwanted opening of squelch due different users on the same frequency.

P25 – Radio transmission protocol where information is transmitted and received digitally. Digitizing the signal allows for the voice signal to be transmitted as data. Additionally, other pieces of information can be transmitted as data. P25 transmissions are subject to packet loss, which can lead to a failure in communication.

PACKET LOSS – When a digital (P25) signal is transmitted by a radio, some or all of the digitized information is not received by the system or other user radio resulting in incomplete transmission and broken communication.

REF – Acronym specific to the TDFM-9100. Rotary Encoder Function. The rotary encoder is the knob on the lower left side of the radio face.

Rx – Abbreviation for Receive

SIMPLEX – The radio is transmitting and receiving on the same frequency. No repeaters are being used to relay or amplify transmissions.

Tx – Abbreviation for Transmit

TALKGROUP – Term used in trunking radio that describes a group of radios that are communicating with each other. Similar to a channel, but talkgroups are not frequency specific like a conventional channel.

TRUNKING – Radio function where a computer system controls and assigns the availability of the various frequencies of the radio system. VIPER is a trunked radio system.

VIPER – Acronym. Voice InterPerability for Emergency Responders. The statewide, trunked radio system in the 700/800 spectrum for voice communication for public safety entities.

ZONE – A group of channels and/ or talkgroups that have a similar function and have been grouped together by the radio programmer for function or radio operator convenience.

## SCREEN NOMENCLATURE

▶NCEM CAP1NC ZONE/CHANNEL	Z↑MPHØC MODULE SYMBOLS
SOFT KEY DEFINITIONS ZONE SCAN FPP	REF INDICATOR CHAN-016

The screen can be divided into four separate area, each with a specific function.

1. Zone / Channel area.
2. Module Symbols
3. Soft Key Definition
4. Rotary Encoder Function Indicator

### Zone / Channel area

ZONE - The first five characters are the name of the zone. There are 12 zones; which are listed on reverse side of this tab.

CHANNEL – The last nine characters are the name of the individual channel or talkgroup. The individual channels and talkgroups are listed on individual tabs elsewhere in this document.

SCREEN  
NOMENCLATURE

Zn #	Zn Name	Zn Description	FPP
1	CAPUS	National VHF CAP channels.	N
2	CAPNC	NC Specific VHF channels and VIPER talkgroups.	N
3	AOB	Airfield Operations Battalion channels.	Y
4	NCEM	NC Emergency Management VIPER talkgroups.	N
5	NCAIR	VIPER talkgroups for air / ground coordination.	N
6	S-EVT	State Event VIPER talkgroups used for common communications between various resources.	N
7	NTROP	National VHF, UHF, 700 & 800 interoperability channels.	N
8	BOAT	US VHF Marine channels for operating with maritime or swift water teams.	N
9	FRS	UHF Family Radio Service used as an affordable walkie-talkie for private individuals.	N
10	V-FPP	16 blank channels for Front Panel Programming in the VHF conventional spectrum.	Y
11	U-FPP	16 empty channels for Front Panel Programming in the UHF conventional spectrum.	Y
12	78FPP	16 empty channels for Front Panel Programming in the 700/800 conventional spectrum.	Y
13	WX	NOAA weather radio broadcast stations, receive only capability.	N

SCREEN  
NOMENCLATURE

### Module Symbols area

Symbols that indicate to the user that certain features of the radio are active or inactive. From left to right, the mission symbols are:

Z ↑ M P H Ø A

**Z** – If the “Z” is present, the radio is scanning the pre-programmed scan list. Absence of the “Z” is the indicator that the radio is not scanning.

**↑** - If the upward arrow is present, then the selected channel is operating in a simplex or direct manner. This means that the radio is transmitting on the same frequency as it is receiving and by-passing a repeater.

**M** – If the “M” is present, the radio is monitoring the selected channel with the CTCSS/DCS/NAC requirement deactivated. The radio will open the squelch for any and all transmissions received on the selected channel. Absence of the “M” is the indicator that the radio requires the correct CTCSS/DCS/NAC code to open the squelch. Transmissions without the correct CTCSS/DCS/NAC tone are ignored by the radio.

**P** – If the “P” indicator is present, the currently displayed channel or talkgroup is the priority of the scan list. By NCWG programming, the selected channel or talkgroup will always be the priority when scanning.

**H** or **L** – Indicates the radio transmitting power level; high or low. This feature can be changed by use of the soft keys. Remember, good radio operator technique dictates to use as little power as necessary for effective communication. Over powering transmissions could cause interference, distortion or damage to other radio equipment.

**O** or **Ø** – Pronounced “Oh” or “Zero”. “Oh” indicates that the scan feature is turned on. The “Zero” indicates that the scan feature is turned off. This indication is changed by pressing the 0/ESW key.

**A** or **B** or **C** – Indicates the position of the \*/TSW key. Indications A and C have no function, and either are desirable for normal operation. Indication B places the radio into Scan List Program Mode. When the radio is in Scan List Program Mode, it IS NOT RECEIVING ANY RADIO TRAFFIC. If the radio stays in indication B for a period of time with no interaction, the radio will sound a loud tone, reminding the user that the receive function of the radio is off.



### Soft Key Definitions area

There are three (3) buttons on the face of the radio whose function is dependent on the mode of the radio; that is the functions of the buttons change based on the mode of the radio. The keys are indicated by the “ – “ marking. The left most key correlates with the left most title. Likewise, the center key corresponds with the middle title and the right most key with the right most title. NCWG radios soft keys are programmed in the following manner:

CONVENTIONAL CHANNELS	TRUNKED TALKGROUPS
ZnUP -Select Zone Up	ZnUp – Select Zone Up
ZnDn – Select Zone Down	ZnDn – Select Zone Down
FPP – Front Panel Program	PWR – Hi / Low Power
PWR – Hi / Low Power	MUTE – Cycles button beep
DIR – Simplex / Repeater	NUIS – Nuisance Delete
NUIS – Nuisance Delete	

### Rotary Encoder Function (REF) Indicator area

The REF indicator displays the current function of the rotary encoder knob on the front panel. The knob is a rotary encoder, which turns endlessly. The knob also has a push button incorporated so you can press the knob as well. Pressing the knob will toggle through the following possible knob modes:

	The Rotary Encoder will change:
Channel	Modes (Channels or Talkgroups)
Volume	Increase or decrease volume
Zone	Scroll through zones
NumLock	Redefines keypad for numbers, not functions
Recall	Allows user to type in the mode number for a specific channel or talkgroup in the current selected zone.

FRONT PANEL PROG

BUTTONS

## BUTTON NOMENCLATURE

1 / F1	Mode Select 1 – VIPER CAP 1 NC
2 / F2	Mode Select 2 – AIR 2
3 / F3	Mode Select 3 – VIPER NC EOC
# / F4	Volume Set Tone
BAND	No function for NCWG
4 / MUP	Mode Up (Channel / Talkgroup Up)
5 / UP	Scroll soft keys right
6 / BRT	Brighten screen
0 / ESW	Turn Scan On / Turn Scan Off
FUNC	Master Radio Settings
7 / MDN	Mode Down (Channel / Talkgroup Down)
8 / DN	Scroll soft keys left
9 / DIM	Dim the screen
* / TSW	A – Blank, B – Scan List Program, C - Blank

## FRONT PANEL PROGRAMMING

The TDFM-9100 has the option to front panel program analog and digital conventional channels in the VHF, UHF and the 700/800 modules. The AOB, V-FPP, U-FPP and 78FPP zones are the only zones where front panel programming can be conducted. All other zones are locked and can only be changed with the appropriate software. Pressing FPP will initiate the following process:

**RX Frequency** - The receive frequency of the current channel will be displayed with the first digit blinking. Type in the desired frequency or just press the 'Next' menu key for no changes. Pressing 'Exit' menu key or the HOME key at any time will escape the programming process and bring the radio back into normal operating mode. If an invalid frequency is entered, the radio will revert to the previously programmed frequency.

FRONT PANEL PROG  
BUTTONS

TX Frequency - The transmit frequency can be edited in the same fashion as the RX frequency.

RX Mode - The receive mode will be displayed. The mode can be Analog, Digital (P25), or Mixed (both). Press the knob or the 'Next' menu key.

TX Mode - The transmit mode will be displayed. Transmit mode can only be Analog or Digital and can only be changed if the receive mode was Mixed.

RX CTCSS - Receive CTCSS tone (also known as a PL or TPL tone) will be displayed. Rotate the knob for the desired tone or 'OFF.' Press the knob or 'Next' menu key.

RX DCS - RX DCS will only appear if the RX CTCSS was set to 'OFF.' The receive DCS code (also known as a DPL code) will be displayed. Rotate the knob to the desired code or 'OFF.' Selecting OFF will set the channel to carrier squelch only. Press the knob or 'Next' menu key.

TX CTCSS - Transmit CTCSS tone will be displayed. Rotate the knob for the desired tone or 'OFF.' Press the knob or 'Next' menu key.

TX DCS - TX DCS will only appear if the TX CTCSS was set to 'OFF.' The transmit DCS code will be displayed. Rotate the knob to the desired code or 'OFF.' Selecting off will set the channel to carrier only. Press the knob or 'Next' menu key.

RX NAC - The receive network access code will be displayed. The NAC is a 3-digit hexadecimal number which can include digits 0-9 and letters A-F. The keypad will act as numbers or letters. '123' or 'ABC' will be displayed on the bottom right corner of the display to indicate the mode which can be changed by rotating the knob. Press the knob or the 'Next' menu key when the desired NAC is entered.

TX NAC - Enter the TX NAC as described above in RX NAC

Zone Name - The Zone name will be displayed. The first letter will be flashing. Rotating the knob will scroll through the available letters, numbers, and symbols. Press the knob to move to the next letter. Press 'Next' when done editing. PLEASE DO NOT CHANGE ZONE NAMES IN NCWG AIRCRAFT.

Channel Name - The Channel name will be displayed. Edit the channel name as described above.

Talkgroup ID - The Talkgroup ID will be displayed. This is a 4-digit hexadecimal number that can be edited as described under RX NAC above. Press 'Next' when done editing.

Press the knob one more time and the radio will return to normal operating mode.

**NOTE: Trunked or VIPER talkgroups cannot be front panel programmed.**

**CTCSS / PL / CHANNEL GUARD TONES**

TONE	MOT	WULF	TONE	MOT	WULF	TONE	MOT	WULF	TONE	MOT	WULF	TONE	MOT	WULF
67.0	XZ	01	97.4	ZB	13	141.3	4A	26	206.5	8Z	62			
69.3	WZ	51	100.0	1Z	14	146.2	4B	27	210.7	M2	41			
71.9	XA	02	103.5	1A	15	151.4	5Z	28	218.1	M3	42			
74.4	WA	03	107.2	1B	16	156.7	5A	31	225.7	M4	43			
77.0	XB	04	110.9	2Z	17	162.2	5B	32	229.1	9Z	47			
79.7	WB	05	114.8	2A	18	167.9	6Z	33	233.6	M5	44			
82.5	YZ	06	118.8	2B	21	173.8	6A	34	241.8	M6	45			
85.4	YA	07	123.0	3Z	22	179.9	6B	35	250.3	M7	46			
88.5	YB	08	127.3	3A	23	186.2	7Z	36	254.1	OZ	63			
91.5	ZZ	11	131.8	3B	24	192.8	7A	37	CSQ	CSQ	00			
94.8	ZA	12	136.5	4Z	25	203.5	M1	38						

CTCSS / DCS / NAC  
CODE

## DCS / DPL / DIGITAL CHANNEL GUARD TONES

23	114	205	306	411	503	606	703
25	115	223	311	412	506	612	712
26	116	226	315	413	516	624	723
31	125	243	331	423	532	627	731
32	131	244	343	431	546	631	732
43	132	245	346	432	565	632	734
47	134	251	351	445		654	743
51	143	261	364	464		662	754
54	152	263	365	465		664	
65	155	265	371	466			
71	156	271					
72	162						
73	165						
74	172						
	174						

CTCSS / DCS / NAC  
CODE

## NAC CODES

Network Access Codes have many combinations, far too many to list in this guide. NAC codes are in Hexadecimal (Base 16) format and contain numerals and letters A through F. There are two NAC codes that may be of use.

NAC 293 – The default NAC code used nationwide.

NAC F7E – If this RX NAC is set to this code, the aircraft radio will open the squelch regardless of the actual NAC being transmitted. This is similar to CSQ.

## CAPUS ZONE MEMBERS

1	CC 1	32	R11	62	R26	92	R41	122	R56
2	CC 1P	33	R11P	63	R26P	93	R41P	123	R56P
3	CC 2	34	R12	64	R27	94	R42	124	R57
4	CC 2P	35	R12P	65	R27P	95	R42P	125	R57P
5	AIR 1	36	R13	66	R28	96	R43	126	R58
6	AIR 1P	37	R13P	67	R28P	97	R43P	127	R58P
7	AIR 2	38	R14	68	R29	98	R44	128	R59
8	AIR 2P	39	R14P	69	R29P	99	R44P	129	R59P
9	TAC 1	40	R15	70	R30	100	R45	130	R60
10	TAC 1P	41	R15P	71	R30P	101	R45P	131	R60P
11	CAPGUARD	42	R16	72	R31	102	R46	132	R61
12	R01	43	R16P	73	R31P	103	R46P	133	R61P
13	R01P	44	R17	74	R32	104	R47	134	R62
14	R02	45	R17P	75	R32P	105	R47P	135	R62P
15	R02P	46	R18	76	R33	106	R48	136	R63
16	R03	47	R18P	77	R33P	107	R48P	137	R63P
17	R03P	48	R19	78	R34	108	R49	138	R64
18	R04	49	R19P	79	R34P	109	R49P	139	R64P
19	R04P	50	R20	80	R35	110	R50	140	R67
20	R05	51	R20P	81	R35P	111	R50P	141	R67P
21	R05P	52	R21	82	R36	112	R51	142	R68
22	R06	53	R21P	83	R36P	113	R51P	143	R68P
23	R06P	54	R22	84	R37	114	R52	144	R69
24	R07	55	R22P	85	R37P	115	R52P	145	R69P
25	R07P	56	R23	86	R38	116	R53	146	R70
26	R08	57	R23P	87	R38P	117	R53P	147	R70P
27	R08P	58	R24	88	R39	118	R54		
28	R09	59	R24P	89	R39P	119	R54P		
29	R09P	60	R25	90	R40	120	R55		
30	R10	61	R25P	91	R40P	121	R55P		
31	R10P								

CAPUS ZONE  
CAPNC ZONE

## CAPNC ZONE MEMBERS

CAPUS ZONE  
CAPNC ZONE

1	CC 1	19	CONC-48P	37	NBER-R49
2	CC 1P	20	COWE-R50	38	NBER-49P
3	CC 2	21	COWE-50P	39	NPRT-R48
4	CC 2P	22	EDNT-R58	40	NPRT-48P
5	AIR 1	23	EDNT-58P	41	PSGH-R41
6	AIR 1P	24	FARM-R37	42	PSGH-41P
7	AIR 2	25	FARM-37P	43	R67
8	AIR 2P	26	FAYV-R39	44	R67P
9	TAC 1	27	FAYV-39P	45	R68
10	TAC 1P	28	FSHR-R57	46	R68P
11	CAPGUARD	29	FSHR-57P	47	R69
12	CAP 1 NC VIPER	30	GAST-R49	48	R69P
13	CAP 2 NC VIPER	31	GAST-49P	49	R70
14	CAP 3 NC VIPER	32	HBRT-R20	50	R70P
15	CAP 4 NC VIPER	33	HBRT-20P	51	R63
16	CHAP-R50	34	ILM-R61	52	R63P
17	CHAP-50P	35	ILM-61P	53	R64
18	CONC-R48	36		54	R64P
				55	NC EOC VIPER



### AOB ZONE MEMBERS

1	TOWER	9	AIR 1	17	AEMPTY3
2	GROUND	10	AIR 1P	18	AEMPTY4
3	GCA	11	AIR 2	19	AEMPTY5
4	FLTFOL	12	AIR 2P	20	AEMPTY6
5	CC 1	13	TAC 1	21	AEMPTY7
6	CC 1P	14	TAC 1P	22	AEMPTY8
7	CC 2	15	AEMPTY1	23	APGUARD
8	CC 2P	16	AEMPTY2		

### NCEM ZONE MEMBERS

<i>All VIPER TG's except for 700 T/A Channels</i>					
1	EOC	9	SW CALL	17	JOC
2	EBO	10	SW LAW	18	SMAT
3	CBO	11	SW FIRE	19	EM TAC
4	WBO	12	SW EMS	20	EM TAC2
5	CAP 1 NC	13	SW GEN	21	700 T/A1
6	CAP 2 NC	14	NC RRT	22	700 T/A2
7	CAP 3 NC	15	NC SAR	23	700 T/A3
8	CAP 4 NC	16	AIR CMN	23	700 T/A4

### NCAIR ZONE MEMBERS

<i>All are VIPER Talkgroups</i>					
1	CAP 1 NC	9	AIROPS4	17	H60 OPS
2	CAP 2 NC	10	AIROPS5	18	H72 OPS
3	CAP 3 NC	11	AIROPS6	19	SHP AIR
4	CAP 4 NC	12	AIROPS7	20	USCG
5	COMMON	13	AIROPS8	21	LZ EAST
6	AIROPS1	14	AIROPS9	22	LZ CENT
7	AIROPS2	15	AIROPS10	23	LZ WEST
8	AIROPS3	16	AIRBOSS		

## S-EVT ZONE MEMBERS

State Event talkgroups are available to all system users, however access is controlled by the NCEM 24-hour operations center and State Highway patrol Technical Services Unit. Talkgroups can be requested and reserved through the 24-hour operations center at (919) 733-3300 or the NC EOC VIPER talkgroup.

<i>All are VIPER Talkgroups</i>					
1	ALPHA 1	12	CHARLY 4	23	FOX 3
2	ALPHA 2	13	DELTA 1	24	FOX 4
3	ALPHA 3	14	DELTA 2	25	GOLF 1
4	ALPHA 4	15	DELTA 3	26	GOLF 2
5	BRAVO 1	16	DELTA 4	27	GOLF 3
6	BRAVO 2	17	ECHO 1	28	GOLF 4
7	BRAVO 3	18	ECHO 2	29	HOTEL 1
8	BRAVO 4	19	ECHO 3	30	HOTEL 2
9	CHARLY 1	20	ECHO 4	31	HOTEL 3
10	CHARLY 2	21	FOX 1	32	HOTEL 4
11	CHARLY 3	22	FOX 2		

AOB / NCEM / NCAIR  
S-EVT ZONES

## NTROP ZONE MEMBERS

Channels in the Interoperability zone are all conventional channels, however some may have analog modulation, while others may have digital modulation. All channels are programmed by guidance from the National Interoperability Field Operations Guide.

1	VCALL10	17	UTAC42	33	7TAC76
2	VTAC11	18	UTAC43	34	7TAC77
3	VTAC12	19	7CALL50	35	7 AG 58
4	VTAC13	20	7TAC51	36	7 AG 60
5	VTAC14	21	7TAC52	37	7 AG 67
6	VSAR16	22	7TAC53	38	7 AG 68
7	VTAC17	23	7TAC54	39	7 AG 78
8	VTAC17D	24	7TAC55	40	7 AG 80
9	VTAC33	25	7TAC56	41	7 AG 85
10	VTAC34	26	7TAC57	42	7 AG 88
11	VTAC35	27	7CALL70	43	8CALL90
12	VTAC36	28	7TAC71	44	8TAC91
13	VTAC37	29	7TAC72	45	8TAC92
14	VTAC38	30	7TAC73	46	8TAC93
15	UCALL40	31	7TAC74	47	8TAC94
16	UTAC41	32	7TAC75		

**NOTE: FCC rule 90.531(7) states: (i) Airborne use of these channels are limited to aircraft flying at or below 457 meters (1500 feet) above ground level. (ii) Aircraft are limited to 2 watts effective radiated power (ERP) when transmitting while airborne on these channels.**

NTROP / BOAT / FRS  
ZONES

### BOAT ZONE MEMBERS

Marine VHF channels are intended for working directly with NCEM boat teams, USCG or USCG Auxiliary vessels. Inland use of the channels is generally prohibited unless working directly with these resources.

1	01A	11	14	21	23A
2	05A	12	15	22	24
3	6	13	16	23	25
4	07A	14	17	24	26
5	8	15	18A	25	27
6	9	16	19A	26	28
7	10	17	20	27	63A
8	11	18	20A	28	65A
9	12	19	21A	29	66A
10	13	20	22A		

### FRS ZONE MEMBERS

CAPR 100-1, Section 9.11.1. Limited Emergency Services FRS Use. One exception to the prohibition against ES use of FRS is when attempting to contact victims or the objects of a search. If it is believed that the victims or search target may be carrying FRS, ES personnel MAY use FRS in an attempt to contact the victims directly, including transmissions from CAP aircraft. FRS will not be used for operation among ES personnel or for any other manner of ES communications support.

1	FRS 01	8	FRS 08	15	FRS 15
2	FRS 02	9	FRS 09	16	FRS 16
3	FRS 03	10	FRS 10	17	FRS 17
4	FRS 04	11	FRS 11	18	FRS 18
5	FRS 05	12	FRS 12	19	FRS 19
6	FRS 06	13	FRS 13	20	FRS 20
7	FRS 07	14	FRS 14	21	FRS 21
				22	FRS 22

NTROP / BOAT / FRS  
ZONES

**V-FPP, U-FPP & 78FPP ZONE MEMBERS**

	V-FPP	NOTES		U-FPP	NOTES
1	VEMPTY1		1	UEMPTY1	
2	VEMPTY2		2	UEMPTY2	
3	VEMPTY3		3	UEMPTY3	
4	VEMPTY4		4	UEMPTY4	
5	VEMPTY5		5	UEMPTY5	
6	VEMPTY6		6	UEMPTY6	
7	VEMPTY7		7	UEMPTY7	
8	VEMPTY8		8	UEMPTY8	
9	VEMPTY9		9	UEMPTY9	
10	VEMPTY10		10	UEMPTY10	
11	VEMPTY11		11	UEMPTY11	
12	VEMPTY12		12	UEMPTY12	
13	VEMPTY13		13	UEMPTY13	
14	VEMPTY14		14	UEMPTY14	
15	VEMPTY15		15	UEMPTY15	
16	VEMPTY16		16	UEMPTY16	

	78FPP	NOTES
1	EMPTY 1	
2	EMPTY 2	
3	EMPTY 3	
4	EMPTY 4	
5	EMPTY 5	
6	EMPTY 6	
7	EMPTY 7	
8	EMPTY 8	
9	EMPTY 9	
10	EMPTY 10	
11	EMPTY 11	
12	EMPTY 12	
13	EMPTY 13	
14	EMPTY 14	
15	EMPTY 15	
16	EMPTY 16	

FPP / WX  
ZONES

**NOAA WX ZONE MEMBERS**

1	VHF WX1	6	VHF WX6
2	VHF WX2	7	VHF WX7
3	VHF WX3	8	VHF WX8
4	VHF WX4	9	VHF WX9
5	VHF WX5		



FPP / WX  
ZONES

