31 August 2022

FIARC Meeting Minutes – 27 August 2022

Attendees:

N7NW – Hal Goodell	K7CRZ - Jeff Ferguson	K7ND – Jim Christiansen
KJ7RVR – Jane Tollett	KJ7JCB – Paul Thorpe	AC7QN – Chuck Kemmer
N3RDO – Alex Hoffman	WJ7KCK – Ken Rowley	KI7CQS – Dave Federighi
WA7BRI – Robin Carter		

The August 27 FIARC meeting was convened at 10:00 am - thanks to all for attending and to Gail Ferguson for the cookies. Several members made coffee – thank you too.

1. Minutes from the July 23 meeting were unanimously approved.

2. Updates from Hal Goodell, President
- Power lines do run on the bridge (one of two) so if it goes down parts of the island will lose power.
- HAM License Class, see below in Item #6. It is open to people off the island also. Note the class is sponsored by Mike & Key, and the volunteer examiners are from Renton. Thank you Hal for getting this set up.
- There will be a new pool of questions for the Technician License as the current pool expired 6/22. The General License questions are good until 6/23, Extra - 6/24.
- And a big welcome to Alex Hoffman, newly moved to FI, Extra license, and previously from Arizona and has been involved in Search and Rescue(SAR) work. Welcome Alex!

3. Antenna Discussion
- Could we invert a vertical antenna to increase range for all the people down below the antenna? This is from a discussion led by Chuck during the fair in response to how to increase Repeater range.
- Consensus was that with the repeater at 80' above ground, inverting won't make a big difference.
- Hal has rotated the 40meter beam away from the tower (it is on a gate mount which gives it 310-320 deg rotation) which he feels has helped the repeater reception.
- Moving the 40meter antenna to Gold Mountain is in our best interests long-term which would be better than its current location at Hal or anybody's private house. Hal wants to run some tests to determine if it would in fact be an improvement
- Gold Mountain is a WA DNR site so we would have to install a back-up power option. Whole project remains in limbo as DNR still has not transferred the lease.
- There was a concern that we would get more traffic on 70cm which is a minus, but in an emergency we need to trust that we can get non-emergency traffic off the air.
- The water tower continues to be out of the question – nearby property owners are not okay with more access. However Jeff does know the owners, so perhaps this is still an option.
- In an emergency Nichols Center and the EOC will run on a generator. Hal reminded us that FICRA owns $7000 worth of fuel which is stored in the tanks at ZOG's.

4. Website
- We approved setting up a website, hopefully under the FICRA website. Jane has contacted Howard Stapleton, the FICRA IT Webmaster, to ask about how to make this happen.
- Alex volunteered to host us (FIARC.net and FIARC.org are available) as backup, could link to FICRA.

5. Channel Synchronization
- On 2meters there are few simplex channels due to Repeaters. We have 146.4 – 146.6 available.

- Hal is working on re-allocating channels and will correlate with Channels 1-16 of the ARES 217 list, which is included in the minutes(**Attachment A**). This would be a good posting for the future new website. Hopefully.

6. HAM Class this Fall – confirmed and set up!

- There is a concern about unlicensed people using radios. This could be an issue in an emergency, although the FCC allows brief emergency use. The concern is still noted as there can be a misunderstanding about what does and does not constitute emergency use. The solution is to continue to educate people about the different radio systems (see **Attachment B** – used by Jane at the Fair) and offer license classes to those interested in expanding communication options.

- The Fall License Class will be October 22-23 at the Nichols Center; Mike & Key will sponsor/teach the class and administer the exams. We welcome off-island HAMs and future HAMs. Hal will get a notice published in the Flash; Jane will contact the Block Coordinators. Spread the word! Please have prospective students send Name, email address, and desired level to Jane at e.jane.tollett@gmail.com.

- Jane will canvass attendees after the class to see who would like a session to help program their future new radios. CHRP pre-load software can be put onto the website as an option. Several members expressed interest in helping people program radios. Thank you.

- Additionally, Jane will schedule a GoKit setup and operate class as well as a separate class on VARA. Jeff has agreed to lead the two classes, which we will schedule for after the HAM license class.

7. Getting more young people involved in HAM radio

- Schools may or may not be interested in starting up a club. Some members know teachers and could communicate to them that some HAMs are interested in helping.

- The GoKit would make a great demo at the school.

- Scout Troops: Since the meeting Jane has contacted both Scout Masters and there may be some interest. FYI BSA Troop 27 is the boy's troop, BSA Troop 727 is an all-girl troop. The troops are meeting in early September to discuss how to work together as both are seeing declining membership. After that meeting John Ohlson(BSA727) will get back to Jane with a read on the interest level. Here is some of the information about Radios and Badge requirements.

Badge requirements:
https://filestore.scouting.org/filestore/Merit_Badge_RegandRes/Radio.pdf

Includes information on how to lead the troop through the badge – Merit Badge Counselor:
https://k2bsa.net/radio-merit-badge-2/

100-page manual with more radio information:
http://radiomeritbadge.info/wp-content/uploads/2021/03/2017-Radio-Merit-Badge-Pamphlet.pdf

8. Next meetings:

September 24
October 29 (Note this is the 5th Saturday due to the class)

Respectfully Submitted,

JANE

EJ Tollett KJ7RVR

Attachment A – ARES ICS-217A-D5
Attachment B – Walkie-Talkies and HAM Radio

COMMUNICATIONS RESOURCE AVAILABILITY WORKSHEET
ICS-217A-D5 (effective as of 06 March 2021)

Description: District 5, Pierce County ARES Interoperability Frequencies

Frequency Band: Amateur Bands (mixed)

Line #	Ch. Config	Channel Name	Eligible Users	Band	RX Freq. N or W	Rx Tone	Tx Tone	TX Freq. N or W	Mode A/D/M	Repeater ID	Notes	PACE	Location
1	Repeater	PC-1S	District Primary	Amateur	145.3700 W	CSQ	136.5	144.7700 W	A	W7AAO	District 5 NCS	P	Grass Mtn.
2	Repeater	PC-2S	District Alternate	Amateur	146.7000 W	CSQ	103.5	146.1000 W	A	W7EAT		A	Eatonville
3	Repeater	PC-3S	District Contingency	Amateur	444.6750 W	CSQ	136.5	449.6750 W	A	WB7DOB		C1	Three Sisters
4	Repeater	PC-4S	District Contingency	Amateur	145.2300 W	CSQ	146.2	144.6300 W	A	N3KPU		C2	Graham Hill
5	Repeater	PC-5S	District 220 MHz	Amateur	224.1800 W	CSQ	103.5	222.5800 W	A	W7EAT		C3	Graham Hill
6	Repeater	PC-6S	District 900 MHz	Amateur	927.8500 W	CSQ	114.8	902.8500 W	A	W7AAO	Command (EOCs)	C4	Grass Mtn.
7	Simplex	PC-7D	District Simplex	Amateur	146.4600 W	CSQ	CSQ	146.4600 W	A		District Simplex	E	
8	Repeater	PC-8S	Peninsula Team	Amateur	145.3500 W	CSQ	103.5	144.7500 W	A	KA7EOC		P	Purdy
9	Repeater	PC-9S	Peninsula Team	Amateur	440.2250 W	CSQ	103.5	445.2250 W	A	W7BBO		A	Purdy
10	Repeater	PC-10S	Peninsula Team	Amateur	146.6200 W	CSQ	103.5	146.0200 W	A	WW7ARA		C	Gold Mtn.
11	Simplex	PC-11D	Peninsula Team	Amateur	145.5000 W	CSQ	CSQ	145.5000 W	A		Peninsula Team Simplex	E1	
12	Simplex	PC-12D	Peninsula Team	Amateur	445.8250 W	CSQ	CSQ	445.8250 W	A		Peninsula Team Simplex	E2	
13	Repeater	PC-13S	Fox Island	Amateur	440.5750 W	CSQ	173.8	445.5750 W	A	WA7FI		P	Fox Island
14	Simplex	PC-14D	Fox Island	Amateur	146.5400 W	CSQ	CSQ	146.5400 W	A		Fox Island Simplex	A	
15	Repeater	PC-15S	Canterwood	Amateur	444.9000 W	CSQ	162.2	449.9000 W	A	WW7CW		P	Canterwood
16	Simplex	PC-16D	Canterwood	Amateur	446.0500 W	CSQ	CSQ	446.0500 W	A		Canterwood Simplex	A	
17	Repeater	PC-17S	Central Team	Amateur	442.4500 W	CSQ	103.5	447.4500 W	A	W7TED		P	CH-28 Tower
18	Repeater	PC-18S	Central Team	Amateur	145.2100 W	CSQ	141.3	144.6100 W	A	W7DK		A	CH-28 Tower
19	Repeater	PC-19S	Central Team	Amateur	147.2800 W	CSQ	103.5	147.8800 W	A	W7DK	limited use only	C	RCOT Club House
20	Simplex	PC-20D	Central Team	Amateur	145.5300 W	CSQ	CSQ	145.5300 W	A		Central Team Simplex	E	
21	Simplex	PC-21D	PLU EOC	Amateur	146.5500 W	CSQ	CSQ	146.5500 W	A	PLUEOC W7PLU Simplex		P	
22	Repeater	PC-22S	east team	Amateur	146.6400 W	CSQ	103.5	146.0400 W	A	WA7SRT		P	Edgewood
23	Repeater	PC-23S	east team	Amateur	147.3000 W	CSQ	88.5	147.9000 W	A	WB7DOB	*Secondary to SAR*	A	Three Sisters
24	Repeater	PC-24S	east team	Amateur	442.6250 W	CSQ	103.5	447.6250 W	A	WB7DOB	*Secondary to SAR*	C	Baldi Mtn.
25	Simplex	PC-25D	east team	Amateur	146.5800 W	CSQ	CSQ	146.5800 W	A		East Team Simplex	E	
26	Repeater	PC-26S	Puyallup	Amateur	444.7500 W	CSQ	103.5	449.7500 W	A	WA7PUY		P	Puyallup City Hall
27	Simplex	PC-27D	Puyallup	Amateur	445.9000 W	CSQ	146.2	445.9000 W	A		Puyallup Simplex	A	
28	Repeater	PC-28S	South team	Amateur	442.7250 W	CSQ	103.5	447.7250 W	A	W7EAT		P	Eatonville
29	Repeater	PC-29S	South team	Amateur	145.4500 W	CSQ	110.9	144.8500 W	A	KB7CNN		A	Alder Lake
30	Repeater	PC-30S	South team	Amateur	442.3500 W	CSQ	103.5	447.3500 W	A	K7DKK-GRA		C	Graham Hill E.
31	Simplex	PC-31D	South team	Amateur	145.7000 W	CSQ	CSQ	145.7000 W	A		South Team Simplex	E	
32	Simplex	PC-32D	fire Dist. #17	Amateur	145.6000 W	CSQ	CSQ	145.6000 W	A		Simplex	P	

#	Type	Ch Name	Service	Agency / Use	RX Freq	RX Tone	TX Freq	TX Tone	Mode	Remarks / Callsign	Code	Location
33	Simplex	PC-33D	Amateur	Roy team	147.4200 W	CSQ	147.4200 W	CSQ	A	RACN Simplex	P	
34	Repeater	PC-34S	Amateur	Roy team	147.3800 W	CSQ	147.9800 W	103.5	A	W7DK	A	Crawford Mtn.
35	Repeater	PC-35S	Amateur	Roy team	444.1750 W	CSQ	449.1750 W	123	A	WA7ROY	C	Roy
36	Simplex	PC-TRON	Amateur	TRON Digipeater	144.9250 W	CSQ	144.9250 W	CSQ	D	Packet Digipeater - Use N7SOI-10 or P2P		
37	Simplex	PC-EDGE	Amateur	EDGE Digipeater	145.5200 W	CSQ	145.5200 W	CSQ	D	Packet Digipeater - Use KC7AF-10 or P2P		
38	Simplex	ETC-1D	Amateur	East Thurston County	146.5500 W	103.5	146.5500 W	103.5	A	E.T.C. Team Simplex	P	
39	Repeater	ETC-2S	Amateur	East Thurston County	440.2000 W	CSQ	445.2000 W	100.0	A	N3MO	A	
40	Simplex	ETC-3D	Amateur	East Thurston County	145.5100 W	CSQ	145.5100 W	CSQ	D	DMR Simplex	C	CC-1, TG-99, TS-1
				Interoperability: Adjacent Organizations								
41	Repeater	CM-1S	Amateur	Camp Murray	147.1400 W	CSQ	147.7400 W	123	A	W7EMD	WB7DOB	Baldi Mtn.
42	LSB	CM-2D	Amateur	Camp Murray	3.9850 W	CSQ	3.9850 W	CSQ	A	W7EMD	LSB	Simplex
43	Repeater	CM-3S	Amateur	Camp Murray	53.8700 W	CSQ	52.1700 W	100	A	W7EMD	W7SIX	Grass Mtn.
44	Repeater	PC-MST	Amateur	Medical Services Tm.	443.6750 W	CSQ	448.6750 W	103.5	A		W6TOZ	Tacoma Gen. Hosp.
45	Repeater	KGC-1S	Amateur	King County ARES	147.0800 W	CSQ	147.6800 W	110.9	A		W7WWI	Tiger Mtn. East
46	Repeater	KGC-2S	Amateur	King County ECC	145.1100 W	CSQ	144.5100 W	127.3	A		KC7SAR	Rattlesnake Mtn.
47	Repeater	STL-1S	Amateur	Seattle	146.9600 W	CSQ	146.3600 W	103.5	A	W7ACS	WW7PSR	Sea., Queen Anne
48	Repeater	STL-2S	Amateur	Seattle	444.5500 W	CSQ	449.5500 W	141.3	A		WW7SEA	Sea., Columbia Ctr.
49	LSB	STL-3D	Amateur	Seattle	3.9750 W	CSQ	3.9750 W	CSQ	A		LSB	Simplex
50	Repeater	KENT1S	Amateur	Kent ECC	146.7500 W	CSQ	146.1600 W	103.5	A		WA7FW	Federal Way
51	Repeater	D3-1S	Amateur	District 3 ARES	145.4700 W	100	144.8700 W	100	A		K7CPR	Capitol Peak
52	Repeater	TC-1S	Amateur	Thurston County	147.3600 W	CSQ	147.9600 W	103.5	A	WA7OLY	NT7H	Olympia
53	Repeater	TC-2S	Amateur	Thurston County	441.4000 W	CSQ	446.4000 W	103.5	A		NT7H	Crawford Mtn.
54	Repeater	TC-3S	Amateur	Thurston County	224.4600 W	CSQ	222.8600 W	103.5	A		NT7H	Crawford Mtn.
55	Repeater	LC-1S	Amateur	Lewis County	147.0600 W	CSQ	147.6600 W	110.9	A	K7CEM	WA7UHD	Baw Faw Peak
56	Repeater	KTC-1S	Amateur	Kitsap County	145.4300 W	88.5	144.8300 W	88.5	A	KCEOC	KD7WDG	Silverdale
57	Repeater	KTC-2S	Amateur	Kitsap County	145.3900 W	88.5	144.7900 W	88.5	A	KCEOC	N7IG	Port Orchard
58	Repeater	MC-1S	Amateur	Mason County	146.7200 W	CSQ	146.1200 W	103.5	A	WA7MCU	N75K	Shelton
59	Repeater	MC-2S	Amateur	Mason County	145.1700 W	CSQ	144.5700 W	103.5	A	WA7MCU	NM7E	Belfair
60	USB	60m-1	Interop.	60m Channel 1	5.33050	CSQ	5.33050	CSQ	A	100 W. ERP Max. - Cent. 5.33200 (CW/PSK)	USB	
61	USB	60m-2	Interop.	60m Channel 2	5.34650	CSQ	5.34650	CSQ	A	100 W. ERP Max. - Cent. 5.34800 (CW/PSK)	USB	
62	USB	60m-3	Interop.	60m Channel 3	5.35700	CSQ	5.35700	CSQ	A	100 W. ERP Max. - Cent. 5.35850 (CW/PSK)	USB	
63	USB	60m-4	Interop.	60m Channel 4	5.37150	CSQ	5.37150	CSQ	A	100 W. ERP Max. - Cent. 5.37300 (CW/PSK)	USB	
64	USB	60m-5	Interop.	60m Channel 5	5.40350	CSQ	5.40350	CSQ	A	100 W. ERP Max. - Cent. 5.40500 (CW/PSK)	USB	
65	LSB	WSEN-1	Amateur	WSEN 80m (Pri)	3.9850 W	CSQ	3.9850 W	CSQ	A	See Current Schedule	LSB	
66	LSB	WSEN-2	Amateur	WSEN 80m (Alt-1)	3.9900 W	CSQ	3.9900 W	CSQ	A	See Current Schedule	LSB	
67	LSB	WSEN-3	Amateur	WSEN 80m (Alt-2)	3.9950 W	CSQ	3.9950 W	CSQ	A	See Current Schedule	LSB	
68	LSB	WSEN-4	Amateur	WSEN 40m (Pri)	7.2450 W	CSQ	7.2450 W	CSQ	A	See Current Schedule	LSB	
69	LSB	WSEN-5	Amateur	WSEN 40m (Alt-1)	7.2500 W	CSQ	7.2500 W	CSQ	A	See Current Schedule	LSB	
70	LSB	WSEN-6	Amateur	WSEN 40m (Alt-2)	7.2550 W	CSQ	7.2550 W	CSQ	A	See Current Schedule	LSB	

National calling frequencies (FM Simplex)   (Wilderness Protocol)

#		Name	Service	Description	Tone	Frequency	Tone	Mode	Notes
71	Simplex	V-Call	Amateur	National Calling	CSQ	146.5200 W	CSQ	A	
72	Simplex	U-Call	Amateur	National Calling	CSQ	446.0000 W	CSQ	A	
73	Simplex	220Call	Amateur	National Calling	CSQ	223.5000 W	CSQ	A	
74	Simplex	6mCall	Amateur	National Calling	CSQ	52.5250 W	CSQ	A	
75	Simplex	FRSSOS	FRS	National SOS Protocol	CSQ	462.5625 N	CSQ	A	Channel 1, no privacy codes (0 or 00) (on the hour)

Cross Band Input Frequencies (UHF/VHF)

#		Name	Service	Description	Tone	Frequency	Tone	Mode	Notes
76	Simplex	PCXB1	Amateur	UHF Cross Band Input	97.4	440.0250 W	97.4	A	Cross Band or Local Simplex - Low Power
77	Simplex	PCXB2	Amateur	UHF Cross Band Input	97.4	441.4250 W	97.4	A	Cross Band or Local Simplex - Low Power
78	Simplex	PCXB3	Amateur	UHF Cross Band Input	97.4	441.4375 W	97.4	A	Cross Band or Local Simplex - Low Power
79	Simplex	PCXB4	Amateur	UHF Cross Band Input	97.4	441.4500 W	97.4	A	Cross Band or Local Simplex - Low Power
80	Simplex	PCXB5	Amateur	UHF Cross Band Input	97.4	441.4625 W	97.4	A	Cross Band or Local Simplex - Low Power
81	Simplex	PCXB6	Amateur	UHF Cross Band Input	97.4	441.4750 W	97.4	A	Cross Band or Local Simplex - Low Power
82	Simplex	PCXB7	Amateur	UHF Cross Band Input	97.4	441.4875 W	97.4	A	Cross Band or Local Simplex - Low Power
83	Simplex	PCXB8	Amateur	UHF Cross Band Input	97.4	446.4125 W	97.4	A	Cross Band or Local Simplex - Low Power
84	Simplex	PCXB9	Amateur	UHF Cross Band Input	97.4	446.4250 W	97.4	A	Cross Band or Local Simplex - Low Power
85	Simplex	PCXB10	Amateur	UHF Cross Band Input	97.4	446.4375 W	97.4	A	Cross Band or Local Simplex - Low Power
86	Simplex	PCXB11	Amateur	VHF Cross Band Input	97.4	146.5800 W	97.4	A	Cross Band or Local Simplex - Low Power
87	Simplex	PCXB12	Amateur	VHF Cross Band Input	97.4	147.4400 W	97.4	A	Cross Band or Local Simplex - Low Power
88	Simplex	PCXB13	Amateur	VHF Cross Band Input	97.4	147.4600 W	97.4	A	Cross Band or Local Simplex - Low Power
89	Simplex	PCXB14	Amateur	VHF Cross Band Input	97.4	147.4800 W	97.4	A	Cross Band or Local Simplex - Low Power
90	Simplex	PCXB15	Amateur	VHF Cross Band Input	97.4	147.5000 W	97.4	A	Cross Band or Local Simplex - Low Power
91	Simplex	PCXB16	Amateur	VHF Cross Band Input	97.4	147.5200 W	97.4	A	Cross Band or Local Simplex - Low Power
92	Simplex	PCXB17	Amateur	VHF Cross Band Input	97.4	147.5400 W	97.4	A	Cross Band or Local Simplex - Low Power
93	Simplex	PCXB18	Amateur	VHF Cross Band Input	97.4	147.5600 W	97.4	A	Cross Band or Local Simplex - Low Power
94	Simplex	PCXB19	Amateur	VHF Cross Band Input	97.4	147.5800 W	97.4	A	Cross Band or Local Simplex - Low Power
95	Simplex	PCXB20	Amateur	VHF Cross Band Input	97.4	147.6000 W	97.4	A	Cross Band or Local Simplex - Low Power

Pierce County Emergency Management Notification Resources AM/FM Radio

Regional emergency news and information: KIRO 97.3 MHz FM, KOMO 1000 KHz AM

Pierce County Emergency Information (Puyallup valley): 1580 KHz AM

Gig Harbor / Key Peninsula: KGHP 105.7 MHz FM, 89.9 MHz FM, 89.3 MHz FM

APRS Frequencies

#		Name	Service	Description	Tone	Frequency	Tone	Mode
96	Simplex	APRS-R	Amateur	APRS Raw	CSQ	144.3900 W	CSQ	D
97	Simplex	APRS-V	Amateur	APRS Voice Alert	100.0	144.3900 W	100.0	D
98	Simplex	APRS-M	Amateur	APRS Mute	123.0	144.3900 W	CSQ	D

Note: District 5 Go Kit APRS callsigns will correspond to their callsign and SID (example: W7AAO-1).

Note: APRS Callsigns must be individually set in the APRS menu on each Go Kit. In the APRS menu settings, the location should use smart beaconing and the internal GPS.

Note: If APRS is in use, APRS will operate using the internal TNC. Winlink will not function while APRS is in use, or will change the TNC setting to accommodate winlink.

ICS-217A-D5 District 5 ARES Revised 02/24/2021   PREVIOUS EDITIONS ARE OBSOLETE

WINLINK Gateways and Digipeaters

440.8750 W MHz
Callsign	BPS	Type	Location	
W7EAT-10	9600 BPS	Gateway	Graham	
W7EAT-15	9600 BPS	Digipeater	Graham	Vashon

145.7300 W MHz
Callsign	BPS	Type	Location
W7EAT-10	1200 BPS	Gateway	Graham
W7EAT-15	1200 BPS	Digipeater	Graham

144.9250 W MHz (PC-TRON)
Callsign	BPS	Type	Location
TRON	1200 BPS	Digipeater	Electron
N7SOI-10	1200 BPS	Gateway	Graham

145.5200 W MHz (PC-EDGE)
Callsign	BPS	Type	Location
EDGE	1200 BPS	Digipeater	Edgewood
KC7AF-10	1200 BPS	Gateway	Orting

145.0300 W MHz
Callsign	BPS	Type	Location
NS7C-10	1200 BPS	Gateway	Lk. Holm
KC7KEY-10	1200 BPS	Gateway	Maple V.

145.6300 W MHz
Callsign	BPS	Type	Location
W7SEM-7	1200 BPS	Digipeater	Three Sis.
CAPTL	1200 BPS	Digipeater	Capitol Pk.
SMTN	1200 BPS	Digipeater	Mason Cnty.
K7RFH-10	1200 BPS	Gateway	Kent
K7HTZ-10	1200 BPS	Gateway	Puget
W7PLC-10	1200 BPS	Gateway	Tumwater
K7IF-10	1200 BPS	Gateway	Lacey
KF7DJC-10	1200 BPS	Gateway	Chehalis
W5KAV-10	1200 BPS	Gateway	Rochester
N7GWK-10	1200 BPS	Gateway	Centralia

145.6300 W – 145.0100 W MHz
Callsign	BPS	Type	Location
N7UJK-10	1200 BPS	Bridge	Capitol Pk.

145.0100 W MHz
Callsign	BPS	Type	Location
N7UJK-9	1200 BPS	Digipeater	Capitol Pk.

145.0700 W MHz
Callsign	BPS	Type	Location
W7VMI-10	1200 BPS	Gateway	VARA FM or Additional User Defined

Additional blank frequency blocks provided: 445.0250 W, 445.0500 W, 445.0750 W, 446.0250 W, 446.0500 W, 446.0750 W, 446.1000 W, 446.1250 W, 145.1000 W, 145.1250 W, 145.1500 W, 145.1750 W

Note: South Sound Winlink Packet Gateways and Digipeaters (Not all inclusive) please add your commonly used Packet and VARA FM stations in the blocks provided.

Note: This is a sample of commonly used Winlink Gateways in the area; for a more complete list visit: https://www.winlink.org/RMSChannels

Note: When using the online interactive tool, please be sure to set the correct mode (Packet, ARDOP, VARA, VARA FM, Pactor, etc.) and set the service code to PUBLIC EMCOMM.

Potential Winlink Peer to Peer (P2P) frequencies (Direct - No Digipeater Support)

WINLINK Addresses (Organic and Adjacent)

WINLINK Addresses (please use Winlink address and not Tactical Calls):

Commonly used Winlink Addresses:

Location or Team	WINLINK Address	Location or Team	WINLINK Address
PCEOC (Primary)	W7AAO@winlink.org	South Pierce ECC	W7EAT@winlink.org
PCEOC (Alternate)	K7PCE@winlink.org	Roy Area Communications Net. (RACN)	WA7ROY@winlink.org
PCEOC (Contingency)	W7AAO-14@winlink.org	Canterwood	WW7CW@winlink.org
Bonney Lake EOC	WA7SRT-5@winlink.org	Orting	KC7AF@winlink.org
Lakewood EOC	KB7IOG@winlink.org	Fox Island	WA7FI@winlink.org
Peninsula MACC	KA7EOC@winlink.org	Ruston Senior Center	KG7ONL@winlink.org
Pacific Lutheran University EOC	W7PLU@winlink.org	East Thurston	RAINIER-EOC@winlink.org
Puyallup EOC	WA7PUY@winlink.org	East Thurston	EASTTHURSTON@winlink.org
Sumner EOC	WA7SRT@winlink.org		

Interoperability: Adjacent Organizations

Location or Team	WINLINK Address	Location or Team	WINLINK Address
WA State EOC (SHARES)	NNA0WA@winlink.org	Thurston County	WA7OLY@winlink.org
WA State EOC (Winlink)	W7EMD@winlink.org	Kitsap County EOC	KCEOC@winlink.org
Seattle EOC	W7ACS@winlink.org	Mason County EOC	WA7MCU@winlink.org
King County ECC	K7ECC@winlink.org	Lewis County ECC	K7CEM@winlink.org

District Go Kits

Location or Team	WINLINK Address	Location or Team	WINLINK Address
Go Kit #1 (Kenwood) (South Team)	W7AAO-1@winlink.org	Go Kit #7 (Kenwood) (East Team)	W7AAO-7@winlink.org
Go Kit #2 (Kenwood) (South Team)	W7AAO-2@winlink.org	Go Kit #8 (Kenwood) (East Team)	W7AAO-8@winlink.org
Go Kit #3 (Kenwood) (Peninsula Team)	W7AAO-3@winlink.org	Go Kit #9 (Kenwood) (RACN)	W7AAO-9@winlink.org
Go Kit #4 (Kenwood) (Peninsula Team)	W7AAO-4@winlink.org	Go Kit #10 (Kenwood) (MCV)	W7AAO-10@winlink.org
Go Kit #5 (Kenwood) (Central Team)	W7AAO-5@winlink.org	Go Kit #11 (Yaesu) (Peninsula Team)	W7AAO-11@winlink.org
Go Kit #6 (Kenwood) (Central Team)	W7AAO-6@winlink.org	Go Kit #12 (Yaesu) (South Team)	W7AAO-12@winlink.org

Channel Name Codes: D = Direct (Simplex)   S = Split (Duplex)   XB = Cross Band Input   WX = Weather (NWS)   SX = Repeater Output (Simplex)

RX/TX Frequency Codes: N = Narrow Band   W = Wide Band   Tone Codes: CSQ = Carrier Squelch (no tone)   Mode Codes: A = Analog   D = Digital   M = Mixed Mode

The convention calls for frequency lists to show four digits after the decimal place. All channels are shown as if programmed into a hand held, mobile or control station radio.

Basic Radio Communications

The difference between Walkie-Talkies and Ham Radio

1. Basic Walkie-Talkies
    - License free
    - Only 22 channels in the range of 464.5625-462.7250 MHz
    - Max transmission power is 0.5-2.0 W, depending on channel
    - Often limited to line-of-sight transmission, or at most 2 miles

2. GMRS (General Mobile Radio Service) Walkie-Talkies
    - Available on the same frequencies, but requires a license
    - License available from the FCC, no test, applies to the immediate family unit
    - FCC will issue you a call sign, license good for ten years
    - Can transmit up to 50W on 30 different channels in the same range
    - Must use an FCC Part 95E Type Accepted Radio
    - https://quality2wayradios.com/store/gmrs-fcc-license

2. HAM Radio
    - More versatile and powerful radios, and many more frequencies for transmitting
    - Requires an FCC license, can test at three different levels (Technician, General, Extra)
    - Can be used to connect to the internet, which allows for even more possibilities
    - Can be used to connect with other ham radios around the world, which makes them a valuable tool for disaster relief and emergency communication

FUN FACT: What is the origin of the word "HAM"?

The word "HAM" as applied to 1908 was **the station CALL of the first amateur wireless station operated by some amateurs of the Harvard Radio Club.** They were ALBERT S. HYMAN, BOB ALMY and POOGIE MURRAY. At first, they called their station "HYMAN- ALMY-MURRAY".

Getting into HAM Radio

1. Contact your local radio club – FIARC(Fox Island Amateur Radio Club)
    - Hal Goodell N7nw.hal@comcast.net, President
    - Jim Braden jandcbraden@aol.com, Vice-President
    - Jane Tollett e.jane.tollett@gmail.com, Secretary
2. Pierce County ARES (Amateur Radio Emergency Services)   https://www.piercecountyares.net
    - Jeff Ferguson cruiser55n@gmail.com, ARES member
3. Think about studying and taking a test to get a license.
    http://www.arrl.org/licensing-education-training
    - There are on-line study options and some in-person classes. Again, ARRL is a good resource. I have not seen any on-line testing options, but ARRL offers help for people with disabilities.
4. There are many radios out there, the Baofeng UV-5R is under $25 and seems to work well.
5. REMEMBER: It is ILLEGAL to transmit on a HAM radio without a license UNLESS it is an emergency. Find a monitored frequency, state your emergency, and get off the air.