Sun Coast Amateur Radio Society

Sunshine Coast Emergency Communications

Information

February 7, 2019

EMERGENCY COMMUNICATIONS

Emergency Radio Communications

Many amateur radio operators have the equipment and skills to support the community in case of an emergency and may be able to make an essential contribution to public safety. The hazards we face here on the Sunshine Coast are apparent to all - club members are strongly encouraged to have a source of back-up radio power and emergency supplies for a period of 72 hours, better still - two weeks. It is recommended to maintain a paper copy of this section and of all BCARCC repeater frequencies within range if not programmed in your radio.

The Sunshine Coast Regional District Emergency Operations Centre is located at 1975 Field Road, Wilson Creek (up by the airport) and is equipped with a dedicated Emergency Communications Radio station callsign VE7SCE. It is equipped with amateur VHF/UHF/HF Voice and Packet/Pactor data communications using the Winlink system. In addition, it has have MSAT satellite telephone fixed and mobile units; a mobile satellite internet dish providing Wi-Fi to the EOC; Inter-Municipal Emergency Radio system (IMERC-2C); Vancouver Health Emergency Network; Aero/Marine band radios and the SCRD Trunk Network radio on various channels covering the coast from a repeater on Mount Benson on Vancouver Island. The Sunshine Coast fire departments have an Emergency Fire Dispatch radio/paging system enabling control of all Fire Stations from the EOC. An Emergency generator will provide electrical power to the EOC. Portable generators are also available.

Initial Actions in the Event of an Emergency

In the event of a significant emergency affecting communications across the Coast - all amateur radio operators should, <u>if it is safe to do so</u>:

1. Monitor the VE7RXZ repeater on VHF 147.220 MHz with a tone of 100.0 for traffic or requests for assistance from VE7SCE,

2. If able, also monitor simplex VHF 146.490 MHz and/or 146.565 MHz for traffic or request for assistance from VE7SCE,

3. If able, monitor EMBC HF frequencies for information. It is unlikely that VE7SCE will use HF for local communications on the Sunshine Coast, however relays may be required for another station on frequency.

Declaration of State of Emergency by the SCRD EOC

The following will be broadcast from VE7SCE on

VE7RXZ 147.220 and/or via Simplex frequencies

ALL STATIONS   ALL STATIONS   ALL STATIONS

This is VE7SCE – Sunshine Coast Regional District Emergency Operations Centre, Sechelt, British Columbia* a – LOCAL / REGIONAL / PROVINCIAL *(as declared)* State of Emergency has been declared, I say again, a LOCAL/REGIONAL/PROVINCIAL State of Emergency has been declared. This frequency is now in use by VE7SCE and all stations not having emergency traffic are requested to remain clear – if you have traffic concerning safety of life or property in the Sunshine Coast Regional District – and you are unable to contact 911 – relay your traffic to this station – otherwise, if it is safe to do so – all station operators within the SCRD region are requested to remain monitoring this frequency as your assistance may be requested. This is VE7SCE – SCRD EOC Net control monitoring…

ALL STATIONS   ALL STATIONS   ALL STATIONS

This is VE7SCE – Sunshine Coast Regional District Emergency Operations Centre, Sechelt, British Columbia*. Stations within the SCRD region are requested to check in now with your callsign, name and location.

Once checked in you must inform SCRD Net Control if you intend to leave the frequency - this is VE7SCE standing by…

(* As we share a frequency with stations in the Washington State islands – the full SCRD name and location will be used initially to avoid any confusion should our traffic be heard south of the border.)

HF Emergency Frequencies

EMBC- 80m Primary Night	3.735	LSB	Phone
EMBC- 80m Secondary Night	3.745	LSB	Phone
EMBC- 40m Primary Day	7.060	LSB	Phone
EMBC- 40m Secondary Day	7.070	LSB	Phone
EMBC- DATA	3.613.50	USB	DATA
EMBC- DATA	7.089.50	USB	DATA
VE7-SWF South West EMBC PREOC	14.135	USB	Phone
VE7-SWF South West EMBC PREOC	21.120	USB	Phone
VE7-KAZ Kamloops EMBC PREOC RMS*	5.371.50	USB	DATA
VE7RBH – Smithers, BC Winlink RMS*	3.6235 / 7063.0	USB	DATA
WASHST 01 – Washington State	3.985	LSB	Phone
WASHST 02– Washington State	3.994	LSB	Phone
WASHST 03– Washington State	7.245	LSB	Phone
BC PUBSVC – BC Public Service Net	3.729	LSB	Phone
ALASKA Emergency Net	14.292	USB	Phone
EMCOM A	3.675	LSB	Phone
EMCOM B	7.135	LSB	Phone
EMCOM C	14.135	USB	Phone
EMCOM D	18.135	USB	Phone
EMCOM E	21.235	USB	Phone
EMCOM F	28.235	USB	Phone
OREGON	3.980	LSB	Phone

EMBC 80	Emergency Management BC Frequencies
WASHST 01	Washington State Emergency Frequencies
EMCOM	IARU/RAC Canadian Emergency Freq.
OREGON	Oregon State Emergency Net Frequency

EMBC - All Emergency Management Provincial Emergency Operations Controls may use these frequencies.

* Winlink RMS Station

National HF Emergency Communications Frequencies

The following frequencies and modes have been pre-determined for suggested use of the Amateur Radio Emergency Service during a declared emergency, or a disaster declared or otherwise, occurring anywhere in Canada. These frequencies have been registered with the International Amateur Radio Union (IARU) for its listings of Canadian national emergency frequencies in **IARU Region 2**.

These are suggested frequencies and should not be construed as meaning that other HF frequencies may not be considered for Emcomm operations.

No Amateur Radio operator or group has exclusive ownership of any particular frequency on any band and, while common sense and courtesy logically would dictate that other Radio Amateurs should keep clear of frequencies being used for emergency or disaster operations, the affected ARES Net Control Station (NCS) must be prepared to move up or down from the pre-determined frequency, as required, in order to conduct operations. Entering into an on-air argument must be avoided.

	SINGLE SIDEBAND		CW		DIGITAL	
BAND	FREQUENCY	TACTICAL	FREQUENCY	TACTICAL	FREQUENCY	TACTICAL
80 M	3.675 MHz LSB	Alfa	3.535 MHz	Golf	3.596 MHz	Mike
40 M	7.135 MHz LSB	Bravo	7.035 MHz	Hotel	7.096 MHz	November
20 M	14.135 MHz USB	Charlie	14.035 MHz	India	14.096 MHz	Oscar
17 M	18.135 MHz USB	Delta	18.075 MHz	Juliet	18.096 MHz	Papa
15 M	21.235 MHz USB	Echo	21.035 MHz	Kilo	21.096 MHz	Quebec
10 M	28.235 MHz USB	Foxtrot	28.035 MHz	Lima	28.096 MHz	Romeo

USEFUL LINKS

Regular Emergency Nets

VE7PEP – Provincial Emergency HQ Victoria, VIR Region – Wednesday 19:15 hrs on the Island Trunk System: Nanaimo 145.430 Tone 141.3 & 444.725 Tone 141.3 / Chemainus 146.680 Tone 141.3 & 442.600 tone 141.3

http://www.islandtrunksystem.org/cms/node/1

HF

**BC Public Service Net: Daily 3.729 17:30 hrs LT (winter) 18:30 hrs (summer)
http://www.bcpsn.com/index.htm**

**PC Provincial Emergency Net: Wednesday's 19:00 hrs Local Time on 3.735
http://www.percs.bc.ca/?page_id=242**

**BC and Yukon NTS Net: Daily 3.716 18:30 hrs LT (winter) 19:30 hrs LT (summer)
http://separ.comm.sfu.ca/doc/NTS%20Handbook%20-%20BC%20Traffic%20Net.pdf**

**Canadian Red Cross Net – Ottawa Station: Sundays 14.125 1900UTC
https://wp.rac.ca/other-canadian-nets/**

**Alaska Emergency Net: Daily 14.292 17:30 UTC (winter) (18:30 UTC summer)
http://alaskapacificnet.org/**

Links:

Repeater Frequencies   https://bcarcc.org/vanisland.pdf

https://bcarcc.org/vancouver.pdf

RAC National Emergency Frequencies

https://wp.rac.ca/national-hf-emergency-communications-frequencies/

SATERN -Salvation Army Emergency

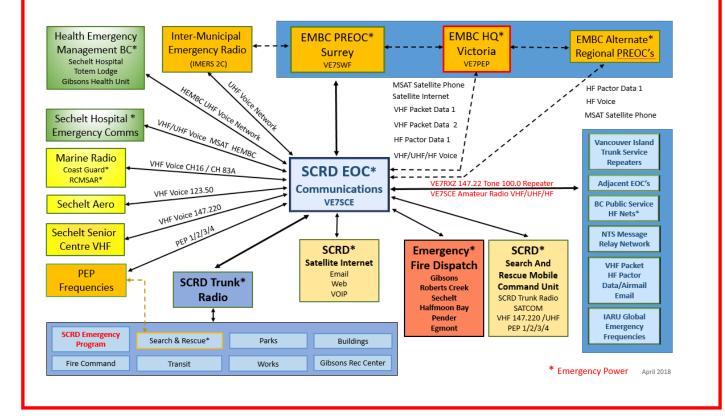**http://www.satern.org/**

Winlink

https://www.winlink.org/

Sunshine Coast Emergency Program – Emergency Radio

http://www.scrd.ca/Emergency-Radio

Winlink Address:

SCRD EOC Radio Room Winlink email address: *ve7sce@winlink.org*

Health Emergency Management BC*
Sechelt Hospital
Totem Lodge
Gibsons Health Unit

Inter-Municipal Emergency Radio
(IMERS 2C)

EMBC PREOC* Surrey VE7SWF

EMBC HQ* Victoria VE7PEP

EMBC Alternate* Regional PREOC's

MSAT Satellite Phone
Satellite Internet
VHF Packet Data 1
VHF Packet Data 2
HF Pactor Data 1
VHF/UHF/HF Voice

HF Pactor Data 1
HF Voice
MSAT Satellite Phone

Sechelt Hospital * Emergency Comms

HEMBC UHF Voice Network
UHF Voice Network
VHF/UHF Voice MSAT HEMBC

Marine Radio
Coast Guard*
RCMSAR*

VHF Voice CH16 / CH 83A

Sechelt Aero

VHF Voice 123.50

SCRD EOC* Communications VE7SCE

VE7RXZ 147.22 Tone 100.0 Repeater
VE7SCE Amateur Radio VHF/UHF/HF

Sechelt Senior Centre VHF

VHF Voice 147.220

PEP 1/2/3/4

PEP Frequencies

SCRD Trunk* Radio

SCRD* Satellite Internet
Email
Web
VOIP

Emergency* Fire Dispatch
Gibsons
Roberts Creek
Sechelt
Halfmoon Bay
Pender
Egmont

SCRD* Search And Rescue Mobile Command Unit
SCRD Trunk Radio
SATCOM
VHF 147.220 /UHF
PEP 1/2/3/4

Vancouver Island Trunk Service Repeaters

Adjacent EOC's

BC Public Service HF Nets*

NTS Message Relay Network

VHF Packet HF Pactor Data/Airmail Email

IARU Global Emergency Frequencies

SCRD Emergency Program
Search & Rescue*
Parks
Buildings
Fire Command
Transit
Works
Gibsons Rec Center

* Emergency Power   April 2018

SCRD Emergency Radio Station VE7SCE, SCRD HQ Offices, 1975 Field Road

Data/Comms Position 1	**1 x Kenwood TM-D710GA VHF/UHF**
Data/Comms Position 2	**1 x Kenwood TM-D710GA VHF/UHF**
Comms/Pactor Position 1	**1 x Kenwood TS480HX 200W HF**
	SCS DR7400 Pactor
	LDG 200 PRO II Auto Antenna Tuner
	1 x Kenwood TM-D710GA VHF/UHF
Comms/Data Position 2	**1 x Kenwood TM-D710GA VHF/UHF**
SCRD Trunk Radio	**Installed on Buses/SCRD Service& Parks Vehicles. Repeater on Mt. Benson/VE7RXZ as SCA 147.220 is programmed into all SCRD Trunk radio, SCEP is the dedicated Emergency Program channel.**

RADIOGRAM

NUMBER	PRECEDENCE	HX	STATION OF ORIGIN	CHECK	PLACE OF ORIGIN	TIME FILED (L)	DATE (L)
	☐ EMERGENCY						
	☐ Priority						
	☐ Routine						
	☐ Welfare						
	Operations Section to Complete						

To: _____ Name

_____ Position

_____ Organization

Contact Number: (____) _____ - _____

☐ Originator/Recipient

☐ Communication Unit

☐ Documentation Unit

	1	2	3	4	5
1					
2					
3					
4					
5					

↑ Enter only ONE word per line ↑

Originator: _____ Name

_____ Position

_____ Organization

Contact Number: (____) _____ - _____

Initials		Received From	Time (Local)	Date (Local)
Operations Section Approval to Transmit	**Received**			
		Operator	Freq (MHz)	Method
GREYED AREAS To be Completed by Radio Operator	**Sent**	Sent To	Time (Local)	Date (Local)
		Operator	Freq (MHz)	Method

E CC 412 / P4 CC 712 / P4 CC 812

Emergency Preparedness