CARC Emergency Communications Protocols - 2023

Members safety and well being should be the number one priority and concern. Members should operate their stations and participate in these protocols only if it is safe and prudent to do so. Individuals should endeavour to provide assistance to other amateurs or the general public while remaining safe.

Situation 1 - Event with prior notice Eg. Hurricane

1.0 Approximately 1 day prior to the forecasted event:

1.1 Distribute a copy of these protocols to club members via email
1.2 Convene a club wide 2m VHF net on VE1CRA (146.670) repeater - VY2WM to net control
1.3 Broadcast protocol details to net participants
1.4 Finalize details on net control duties and net times
1.5 Organize frequency monitoring volunteers to cover the first two 12 hour periods of the event.
1.6 Confirm participants preparedness and note any station vulnerabilities

2.0 During the peak activity of the event.

2.1 Hold at least two club wide 2m VHF nets on VE1CRA (146.670) repeater
2.2 Suggested net times 9:30 am and 7:30 pm
2.3 These times should not interfere with any ongoing CANWARN nets
2.4 If CANWARN is active during these times, the net will switch to VY2UHF 443.850 or 146.550 simplex
2.5 Regular club sponsored nets will be suspended during this time.
2.6 Activate additional 2m or HF nets if required
2.7 Each net should ascertain the well being and operational readiness of each station
2.8 Net control and monitoring stations should be chosen based on readiness and operability
2.9 Any damage reports, or situation reports should be gathered
2.10 Any relevant news gathered by any stations should be shared with net participants
2.11 In the event of the loss of the main 2m repeater, nets may be held on 2m simplex 146.550 Mhz
2.12 Volunteer operators should be organized to monitor VHF, UHF and HF (3727 Khz) frequencies
2.13 Monitoring should be organized to attempt to cover most of the daylight hours if possible
2.14 Monitors should be prepared to provide updated information to any stations heard on the air
2.15 Monitors should attempt to monitor off Island repeaters at least several times during a shift
2.16 Monitors and net control stations should attempt to keep written details of reports or other news so it can be shared with other members during the next net.

3.0 Following the peak activity of the event (normally after the first 48 hours)

3.1 Hold one club wide 2m VHF net on VE1CRA (146.670) at 9:30 am.
3.2 Participants should be prepared to provide status updates
3.3 Attempts should be made to contact and confirm well being of all members
3.4 Requests for assistance from club members should be considered
3.5 Additional nets can be activated as needed
3.6 Regular club sponsored nets should resume
3.7 Plans should begin to assist members in returning stations to be operational

Situation 2 - Event with no prior notice Eg. Earthquake

1.0 Immediately after the start of the event

1.1 Decide on an appropriate time to hold the first official emergency net on 2m VHF

1.2 At the beginning of each hour, convene a short 2m VHF net on VE1CRA (147.670) to broadcast the time of the first official emergency net

1.3 During the first emergency net, Broadcast these protocol details to net participants

1.4 Finalize details on net control duties and net times

1.5 Organize frequency monitoring volunteers to cover the first two 12 hour periods of the event.

2.0 Following the initial activity of the event.

2.1 Hold at least two club wide 2m VHF nets on VE1CRA (146.670) repeater

2.2 Suggested net times 9:30 am and 7:30 pm

2.3 Regular club sponsored nets will be suspended during this time.

2.4 Activate additional 2m or HF nets if required

2.5 Each net should ascertain the well being and operational readiness of each station

2.6 Net control and monitoring stations should be chosen based on readiness and operability

2.7 Any damage reports, or situation reports should be gathered

2.8 Any relevant news gathered by any stations should be shared with net participants

2.9 In the event of the loss of the main 2m repeater, nets may be held on 2m simplex 146.550 Mhz

2.10 Volunteer operators should be organized to monitor VHF, UHF and HF (3727 khz) frequencies

2.11 Monitoring should be organized to attempt to cover most of the daylight hours if possible

2.12 Monitors should be prepared to provide updated information to any stations heard on the air

2.13 Monitors should attempt to monitor off Island repeaters at least several times during a shift

2.14 Monitors and net control stations should attempt to keep written details of reports or other news so it can be shared with other members during the next net.

3.0 Following the peak activity of the event (normally after the first 48 hours)

3.1 Hold one club wide 2m VHF net on VE1CRA (146.670) at 9:30 am.

3.2 Participants should be prepared to provide status updates

3.3 Attempts should be made to contact and confirm well being of all members

3.4 Requests for assistance from club members should be considered

3.5 Additional nets can be activated as needed

3.6 Regular club sponsored nets should resume

3.7 Plans should begin to assist members in returning stations to be operational

General Technical Information Reference

PEI Repeaters

CALLSIGN	NOTES	FREQ	RX	LOCATION	LAT	LON
VY2PEI	-L2	145.150	-	CAVENDISH	46.454044	-63.370316
VE1CRA	YSF	145.310	-	CHARLOTTETOWN (Churchill)	46.212448	-63.341148
VE1CRA **	**-I,L,100.0**	**146.670**	**-**	**CHARLOTTETOWN (Churchill)**	**46.212448**	**-63.341148**
VY2CRA	-L 100.0	146.715	-	BELFAST	46.037914	-62.907341
VE1CFR	-I,L,R100.	146.850	-	SUMMERSIDE	46.407021	-63.789120
VY2CFB	-L2	147.120	+	O_LEARY	46.705971	-64.223137
VY2EKR	-L, R100.0	147.165	+	MONTAGUE	46.169174	-62.652599
VY2DSR	DSTAR	147.315	+	KENSINGTON	46.436699	-63.637001
VY2WPE	?	147.375	+	O_LEARY	46.770401	-64.334999
VY2CRS	Local	147.390	+	CHARLOTTETOWN	46.241470	-63.139751
VY2TPH	100	196.940	-	HAZEL GROVE	46.36379	-63.40260
VY2CBC	HUB 100.0	447.7500	-	CHARLOTTETOWN (Churchill)	46.212399	-63.341099
VY2UHF	-L	443.8500	+	CHARLOTTETOWN	46.232815	-63.133892

** Primary VHF Repeater

Simplex and other frequencies of note

2m National Simplex Calling Frequency - 146.520 Mhz
CARC 2m Simplex Net Frequency - 146.550 Mhz
CARC 2m Alternate Simplex Frequency - 146.580 Mhz

CARC 80m HF Net Frequency - 3.727 Mhz - LSB

*** Thanks to Ron VE1AIC for providing this information from his website at http://ve1cra.net/main/

Off Island Repeaters which could be monitored from PEI

CALLSIGN	NOTES	FREQ	RX	LOCATION	PROV	LAT	LON
VE1AMH	YSF 88.5	145.190	-	AMHERST	NS	45.772999	-64.065002
VE9SKV	IRG 151.4	145.230	-	SACKVILLE (Fairfield)	NB	45.948055	-64.459724
VE1ECT	Portable	145.250	-	HALIFAX (Portable ALL N.S.)	NS	44.650002	-63.599998
VE1XPR	DMR	145.290	-	SPRINGHILL	NS	45.648022	-64.049416
VE1BHS	-I,L,R88.5	145.350	-	SPRINGHILL (Sugarloaf)	NS	45.580208	-63.803608
VE1AEH	YSF	145.370	-	KENTVILLE (Glenmount)	NS	45.169399	-64.515488
VE1HR	-L	146.760	-	NEW GLASGOW	NS	45.533169	-62.569302
VE1SPH	-L	146.805	-	SPRINGHILL	NS	45.650738	-64.050957
VE1RTI	-L	146.820	-	ANTIGONISH	NS	45.681267	-61.978497
VE1SPR	-L	147.000	-	SPRINGHILL (Lynn Mtn)	NS	45.542500	-64.094444
VE1TRO	-L	147.210	+	TRURO (Nuttby Mtn)	NS	45.554367	-63.222893
VE1WRC	-I,L	147.285	+	AMHERST	NS	45.773609	-64.065002

Repeater Linking Codes

ON	OFF	CALLSIGN	FREQ.	UHF HUB	LOCATION	NOTES
102#	103#	VE9SHM	449.325	VE1SPR	MONCTON	HUB+VE9TCF
102#(1)	103#(1)	VE9TCF	145.170	VE9SHM	FUNDY	Hardlink-VE9SHM
104#	105#	VE9TCR	147.345	VE9SHM	MONCTON	SHM+TCR+TCF
106#	107#	VE9SBR	147.225	VE9SHM	SHEDIAC	Link from VE9SHM
104*	105*	VE1HAR	147.135	VE1OM	TRURO (Harmony)	
106*	107*	VE1HNS	146.940	VE1PSR	HALIFAX	
108*	109*	VE1SHU	146.865	VE1PKT	SHUBENACADIE	
110*	111*	VE1PSR	147.270	VE1OM	HALIFAX	
112*	113*	VE1TRO	147.210	VE1OM	TRURO	Replaces XK Link
114*	115*	VE1LUN	147.330	VE1OM	LUNENBURG	

116*	117*	VE1MHR	147.030	VE1PSR	MUSQUODOBOIT HBR.	
116*(1)	117*(1)	VE1ESR	145.450	VE1MHR	SHEET HARBOUR	Hardlink-VE1MHR
116*(2)	117*(2)	VE1SAB	145.390	VE1ESR	SHERBROOKE	Hardlink-VE1ESR
118*	119*	VE1AEH	147.180	VE1SPR	KENTVILLE (Glenmount)	
130*	131*	VE1SPR	147.000	VE1OM	SPRINGHILL	HUB
130B	131B	VE1SPH	146.805	VE1BHS	SPRINGHILL	
132*	133*	VE1BHS	145.350	VE1SPR	SUGARLOAF	HUB
134*	135*	VE1NET	146.745	VE1OM	PARRSBORO (Kirkhill)	
138*	139*	VE1PKT	146.685	VE1LUN	HALIFAX (Hammonds Plains)	
138*(1)	139*(1)	VE1CDN	146.970	VE1PKT	HALIFAX (Upper Sackville)	Hard-linked to VE1PKT
150*	151*	VE1VL	147.090	VE1LCA	BRIDGEWATER	
152*	153*	VE1KEJ	147.195	VE1LCA	KEJI. PARK	
154*	155*	VE1WRC	147.285	VE1SPR	AMHERST	
158*	159*	VE1PAR	145.470	VE1BHS	PARRSBORO	
160*	161*	VE1SCR	146.610	VE1EKV	SHELBURNE	
162*	163*	VE1YAR	146.730	VE1EKV	YARMOUTH	
164*	165*	VE1VO	147.300	VE1LCA	LIVERPOOL	
164*(1)	165*(1)	VE1AVA	147.390	VE1VO	MIDDLEFIELD	HARD-LINK VE1VO
164*(2)	165*(2)	VE1BBY	147.360	VE1VO	GRANITE VILLAGE	HARD-LINK VE1VO
170*	171*	VE1AAR	147.015	BO/EKV	DIGBY	
172*	173*	VE1BO	147.060	AAR-LCA	BRIDGETOWN	
174*	175*	VE1LCA	146.835	VE1LUN	SPRINGFIELD	HUB
178*	179*	VE1WN	147.240	VE1OM	GREENWOOD	
180*	181*	X-VE1VAL	145.210	VE1AEH	GREENWOOD	FUSION, Codes not used
184*	185*	VE1PSR/U	444.350	VE1PSR	HALIFAX	

186*	187*	VE1PSR/6	53.550	VE1PSR	HALIFAX	
190*	191*	VE1HR	146.760	VE1TRO/NSC	NEW GLASGOW	
192*	193*	VE1RTI	146.820	HR/TRO/OM	ANTIGONISH	New Cape Breton link
194*	195*	VE1GYS	146.700	VE1RTI	LUNDY	Active
196*	197*	VE1HAM	146.880	RTI-HAM	CAPE BRETON SYSTEM	RTI-HAM
196A	197A	VE1OBN	147.015	RTI-HAM	OBAN (St. Peters)	VE1OBN ONLY
120*	121*	VY2CRA	146.715	VY2CBC	BELFAST	New site
122*	123*	VE1CRA	146.670	VE1SPR	CHARLOTTETOWN	
124*	125*	VE1CFR	146.850	VE1SPR	SUMMERSIDE	
126*	127*	VY2UHF	443.850	VE1BHS	CHARLOTTETOWN	X
128*	129*	VY2PEI	145.150	VE1CFR	CAVENDISH	Hardlink-VE1CFR on-off
140*	141*	VY2EKR	147.165	VY2CBC	MONTAGUE	Link Active
142*	143*	VY2CBC	447.750	VE1CRA	CHARLOTTETOWN	Link Active
146*(1)	147*(1)	VY2PEI	145.150	VE1CFR	CAVENDISH	Hardlink VE1CFR
148*(2)	149*(2)	VY2CFB	147.120	VE1CFR	O'LEARY	Hardlink-VE1CFR

General Preparations for CARC Members

Ensure you have food and water supplies to last you and your family for at least 72 hours
Make sure you have flashlights, candles, matches and batteries
Charge all cell phones, laptops and other devices prior to event if possible
Make sure all your vehicles are completely fueled up
Charge all handheld radio batteries
If you have a generator, ensure you have enough fuel to power it for at least 72 hours
Ensure your generator is in good running order and test it under load prior to the event
Ensure all antennas, supports, feed lines are secured as best as possible
Consider lowering or dropping HF antennas if possible during the worst part of the event
Consider having a spare HF wire antenna that can be deployed easily after the event if needed