# HF Emergency Frequencies

Sources: http://www.percs.bc.ca/ and https://www.rac.ca/ Fix Me!: find exact pages to link to.

| Description | Frequency [MHz] | Mode |
|---|---|---|
| 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 |
| VE7SWF South West EMBC PREOC | 14.135 | USB Phone |
| VE7SWF South West EMBC PREOC | 21.120 | USB Phone |
| VE7KAZ Kamloops EMBC PREOC RMS | 5.371.50 | USB DATA‡ |
| VE7RBH Smithers, BC Winlink RMS | 3.623.50 / 7.063 | 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 |
| BCPSN: 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: Emergency Management BC Frequencies
- WASHST: Washington State Emergency Frequencies
- EMCOM: IARU / RAC Canadian Emergency Frequencies
- OREGON: Oregon State Emergency Net Frequency
- ‡Winlink RMS Station

## National HF Emergency Communications Frequencies

Source: RAC

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 |

## Other Frequencies

- Repeater Book: The phone app is also highly recommended.
- Canadian Spectrum Management System Data (Formerly known as TAFL)
    - Search the TAFL
    - TAFL Map (118 MHz - 525 MHz in Sechelt. Click **New** in green box on top left to change)
- RadioReference

# Regular Emergency Nets

| Net | Day | Time | Frequency |
|---|---|---|---|
| Alaska Emergency Net | Mon – Fri | 09:30 LT | 14.292 MHz |
| Canadian Red Cross Net: Ottawa Station | Sundays | 11:00 PST<br>noon PDT | 14.125 MHz |
| BC Public Service Net | Daily | 17:30 PST<br>18:30 PDT | 3.729 MHz |
| VE7PEP Simplex[Δ] | Wednesdays | 18:30 – 19:10 LT | 147.570 MHz |
| VE7PEP HF | Wednesdays | 19:00 LT | 3.735 MHz |
| VE7PEP ITS[⋆] | Wednesdays | 19:15 – 19:40 LT | Island Trunk System |
| BC and Yukon NTS Net | Daily | 19:30 LT | 3.716 MHz |

[Δ] The purpose of the net is to make contact with EOCs in the Capital Regional District.
[⋆] The purpose of the net is to make contact with EOCs in the Vancouver Island Region (VIR) as well as interested amateurs in the VIR. Each of the Regional Districts in the VIR are called in sequence.

## Island Trunk System

| City | Callsign | Frequency | Offset | Tone |
|---|---|---|---|---|
| **Sayward** | VE7RNC | 146.700 | – | 141.3 |
| → Port McNeill | VE7RNI | 146.940 | – | |
| → Woss Lake | VE7RWV | 146.880 | – | |
| → Campbell River | VE7RVR | 146.820 | – | |
| → Mt. Washington | VE7NIR | 443.700 | + | 141.3 |
| **Nanaimo** | VA7DJA | 145.430 | – | 141.3 |
| → Mt. Benson | VA7ITS | 444.725 | + | 141.3 |
| → Port Alberni | VE7RPA | 147.150 | + | 141.3 |
| → Tofino | VE7TOF | 146.880 | – | 141.3 |
| → Mt. Brenton | VE7AQW | 146.680 | – | 141.3 |
| → Mt. Brenton | VE7AQW | 442.600 | + | 141.3 |

The trunk has two main interconnected nodes: Sayward, and Nanaimo. The other repeaters are connected to either one of these two nodes.[1)]

Source: islandtrunksystem.org, Map from NIARS

1)

Flowchart of ITS created using diagrams.net with:

```
Nanaimo VA7DJA 145.430– 141.3->UHF link->Mt Brenton VE7AQW 146.680– 141.3 442.600+
141.3
Nanaimo VA7DJA 145.430– 141.3->UHF link->Mt Benson VA7ITS 444.725+ 141.3
Nanaimo VA7DJA 145.430– 141.3->internet link->Tofino VE7TOF 146.880– 141.3 (REPEATER
DOWN)
Nanaimo VA7DJA 145.430– 141.3->?? link->Port Alberni VE7RPA 147.150+ 141.3 (TRUNK LINK
DOWN)
Sayward VE7RNC 146.700– 141.3->220 link->Nanaimo VA7DJA 145.430– 141.3
Sayward VE7RNC 146.700– 141.3->UHF link->Mt Washington VE7NIR 443.700+ 141.3
Sayward VE7RNC 146.700– 141.3->220 link->Campbell River VE7RVR 146.820– 141.3
Sayward VE7RNC 146.700– 141.3->220 link->Woss Lake VE7RWV 146.880–
Sayward VE7RNC 146.700– 141.3->220 LINK->Port McNeill Airport Relay
Port McNeill Airport Relay->UHF LINK->Port McNeill VE7RNI 146.940–
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