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	<b>EMERGENCY MEASURES RADIO GROUP</b>
	<b>OTTAWA ARES</b>

Two Names - One Group - One Purpose

## Frequency List – EMRG-207

Version 2.5

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## 1.0 REVISION SUMMARY

Date of Change	Revision Number	Summary of Changes (Section #, type of change)
July 17, 2003	0.1	Initial document -DRAFT
September 14, 2003	1.0	Document Standardization to Template
April 21, 2004	1.1	Remove RAC band plan and FRS & CB material. Information moved to EMRG-06R.
2004-05-05	1.2	Re-number document as EMRG-102
2004-11-07	2.0	<ul style="list-style-type: none"><li>• Move information about frequency use and CTCSS tones to reference doc EMRG-206.</li><li>• Remove non EMRG critical frequencies from the list.</li><li>• Add two letter designations for frequencies.</li></ul>
2004-11-26	2.1	<ul style="list-style-type: none"><li>• Update per management team and frequency team review.</li><li>• Add sorted list by channel</li></ul>
2006-03-22	2.2	<ul style="list-style-type: none"><li>• Removed two letter designations and references to them for frequencies</li><li>• Removed sorted list by channel</li></ul>
2006-04-23	2.3	<ul style="list-style-type: none"><li>• Changed classification to public, updated callsigns for OCE, OFS, TEL shrunk logo files</li></ul>
2007 Feb 3	2.4	Updated frequencies re TEL, etc. minor spellcheck fixes. Should be checked by VA3QV, etc., for HF updates.
2007 Feb 21	2.5	Added cross band, packet. updated VHF freq's.

## **2.0 PURPOSE OF THIS DOCUMENT**

This document lists frequencies that are critical to EMRG operation in an emergency, to facilitate quick decisions about frequency use. The document focuses on frequencies that require some special knowledge or where there is more than one option, so choices are prioritized.

Current repeater listings can be obtained from the Saint Lawrence Valley Repeater Council (SLVRC) web site (<http://db.slvrc.org/>). EMRG saves the SLVRC database report as a PDF file and posts it as document;  
EMRG-211 SLVRC Frequency List

Frequencies of other services that may be of use may be found in  
EMRG-206 Auxiliary Frequency Information

### 3.0 FREQUENCY ASSIGNMENTS

#### 3.1 LIST FORMAT

- EMRG encourages the use of an input CTCSS tone, even if the repeater does not require it. This is useful when someone switches from the repeater output frequency with CTCSS, to listen to the input frequency. The CTCSS decode will still be active, so if the person transmitting is not sending the CTCSS tone, nothing will be heard on by the person listening on the input.
- The frequencies represent the entries that would be made in the end user radio.

#### 3.2 HF VOICE FREQUENCIES

BAND (m)	FREQ (MHz)	MODE	DESCRIPTION
80	3.742	LSB	Ontario Phone Net (OPN) -NTS
80	3.743	LSB	Ontario ARES – 20:00 L Wed
80	3.755	LSB	ONTARS
40	7.055	LSB	Trans Provincial Net (TPN)
40	7.063	LSB	Sandbox
40	7.150	LSB	Ontario ARES – 14:00 L Sun
40	7.153	LSB	COMSONT
20	14.125	USB	Red Cross

#### 3.3 HF DATA FREQUENCIES

BAND (m)	FREQ (MHz)	MODE	DESCRIPTION
			No frequencies identified

**3.4 6 METRE (50MHZ) FM VOICE FREQUENCIES**

RECEIVE		TRANSMIT		DESCRIPTION
FREQ (MHz)	TONE (Hz)	FREQ (MHz)	TONE (Hz)	
52.525	none	52.525	none	Standard simplex primary
53.030	none	52.030	none	VE3RVI
52.540	none	52.540	none	Standard simplex secondary
51.100	100.0	51.000	100.0	Cross Band #1 note 1
52.000	100.0	52.000	100.0	Cross Band #2 note 1

note1: It is expected that these will be minimal power, minimal antenna links, which will not be detectable outside their immediate area of use.

**3.5 6 METRE (50MHZ) DATA FREQUENCIES**

RECEIVE		TRANSMIT		DESCRIPTION
FREQ (MHz)	TONE (Hz)	FREQ (MHz)	TONE (Hz)	
50.620	none	50.620	none	1200 Baud packet radio

### 3.6 2 METRE (144MHZ) FM VOICE FREQUENCIES

RECEIVE		TRANSMIT		DESCRIPTION
FREQ (MHz)	TONE (Hz)	FREQ (MHz)	TONE (Hz)	
146.880	none	146.280	136.5	VE3OCE Central –EMRG
147.030	none	146.430	100.0	VE3TEL Hazeldean (West area)
146.940	none	146.340	none	VE2CRA (Wide area)
147.300	none	147.900	100.0	VE3TWO (phone patch)
146.580	none	146.580	none	Simplex
145.110	136.5	144.510	136.5	VA3EMV Portable -EMRG Portable
146.985	100.0	146.385	100.0	VA3EMV/E East -EMRG Cumberland
146.985	123.0	146.385	123.0	VA3EMV West -EMRG Stittsville
146.670	none	146.070	136.5	VE3OFS -EMRG Regional (Barrhaven)
146.520	none	146.520	none	Simplex -2m calling & ARES Mutual Aid
146.400	none	146.400	none	Cross Band # 1
147.990	none	147.990	none	Cross Band # 2
146.640	none	146.040	none	VE3KJG –Lavant (Lanark ARES)
146.850	151.4	146.250	151.4	VE3KPT -Kemptville (Leeds-Gr ARES)
145.470	none	144.870	none	VA3PRA –Alfred (Prescott-Rus ARES)
147.060	none	146.460	none	VE3STP –Mt St Patrick (Renfrew ARES & Wide Area)
146.910	none	146.310	none	VE3ZRR –Renfrew (Renfrew ARES)
147.270	none	147.870	none	VE3AAR Almonte (West & Renfrew & Lanark ARES)

The first 6 frequencies are listed in the order in which they would be used for establishing an emergency net, starting with the preferred frequency, 146.880 (-).

### 3.7 2 METRE (144MHZ) DATA FREQUENCIES

RECEIVE		TRANSMIT		DESCRIPTION
FREQ (MHz)	TONE (Hz)	FREQ (MHz)	TONE (Hz)	
144.390	none	144.390	none	APRS
145.030	none	145.030	none	EMRG Packet Core Network
145.010	none	145.010	none	Renfrew Packet Network
145.050	none	145.050	none	Lanark Packet Network

**3.8 1.25M (220MHZ) FM VOICE FREQUENCIES**

RECEIVE		TRANSMIT		DESCRIPTION
FREQ (MHz)	TONE (Hz)	FREQ (MHz)	TONE (Hz)	
224.680	none	223.080	none	VA3OTW -Ottawa
223.500	none	223.500	none	FM Voice Simplex
223.590	100.0	223.590	100.0	Cross Band #1
223.500	100.0	223.500	100.0	Cross Band #2

**3.9 1.25M (220MHZ) DATA FREQUENCIES**

RECEIVE		TRANSMIT		DESCRIPTION
FREQ (MHz)	TONE (Hz)	FREQ (MHz)	TONE (Hz)	
223.700	none	223.700	none	Packet radio



**3.10 UHF FM VOICE FREQUENCIES**

RECEIVE		TRANSMIT		DESCRIPTION
FREQ (MHz)	TONE (Hz)	FREQ (MHz)	TONE (Hz)	
443.800	136.5	448.800	136.5	VE3OCE Central
443.950	none	448.950	none	Proposed for Baseline/Woodroffe area
444.200	100.0	449.200	100.0	VE3TWO (Linked to VHF)
443.300	none	448.300	none	VE2CRA (Not linked to VHF)
443.200	136.5	448.200	136.5	VE3YYX Arnprior (Renfrew ARES)
444.050	123.0	449.050	123.0	VA3WJC -Carp
444.550	151.4	449.550	151.4	VA3KPT (Ottawa South-West)
443.950	123.0	448.950	123.0	VE2RAO –Liaison with Quebec
444.600	110.9	449.600	110.9	VE2REH –Liaison with Quebec
446.100	none	446.100	none	Standard simplex secondary
446.000	none	446.000	none	Standard simplex primary
446.200	136.5	446.200	136.5	Cross band #1
446.400	123.0	446.400	123.0	Cross band #2
434.850	100.0	434.850	100.0	Cross band #3

**3.11 UHF DATA FREQUENCIES**

RECEIVE		TRANSMIT		DESCRIPTION
FREQ (MHz)	TONE (Hz)	FREQ (MHz)	TONE (Hz)	
433.550	none	433.550	none	Packet radio