



Government  
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Department of Communications

TRC-12

# TELECOMMUNICATIONS REGULATION CIRCULAR

REVISED MARITIME MOBILE RADIOTELEGRAPH BANDS

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TELECOMMUNICATION REGULATORY SERVICE  
OPERATIONS BRANCH

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IMPLEMENTATION IN CANADA OF REVISEDMARITIME MOBILE RADIOTELEGRAPH BANDS

1. A World Administrative Radio Conference of the International Telecommunications Union held in Geneva from April 22 to June 7, 1974 completely rearranged the subdivision of the frequency bands between 4000 and 27,500 kHz allocated exclusively to the Maritime Mobile Service. Insofar as these changes affect Canadian users of Maritime Mobile radiotelegraph communications the following information may be used as a guide.
2. The Conference abolished the distinction between high and low traffic ships; reduced the bands allocated to A-1 Morse radiotelegraphy and correspondingly widened those allocated to radiotelephony and narrow-band direct-printing radiotelegraphy. It also reduced the number of A-1 Morse calling frequencies which any coast station would be required to watch and substantially modified the present calling procedure.
3. The following table gives a comparison between the old and new ship radiotelegraph bands, and the effective dates of the changes.

TABLE OF FREQUENCIES ASSIGNABLE TO SHIP RADIOTELEGRAPH STATIONS USING MANUAL OR AUTOMATIC  
 A1 MORSE IN THE EXCLUSIVE MARITIME MOBILE BANDS BETWEEN 4 AND 25 MHz.

(Note 1)

WORKING FREQUENCY BANDS (NOTE 2)	CALLING FREQUENCY BANDS (NOTE 3)		REMARKS
		CH.	
Existing 4172.5 - 4177.5 4187.5 - 4208 4208.5 - 4229 95 frequencies spaced 0.5	Existing 4178.5 - 4186.5 17 frequencies spaced 0.5		Group I includes Canada West Coast and Western Arctic
New* 4188.5 - 4219 62 frequencies spaced 0.5	New** 4180 - 4187.2 18 frequencies spaced 0.4		Group III includes Canada East Coast and Eastern Arctic
		4	* - See App. 15D
		5	** - See App. 15C
		6	(APP 15D, 15C, FINAL ACTS, OF THE WORLD ADMINISTRATIVE RADIO CONFERENCE, 1974)
		11	
Existing 6258.75 - 6266.25 6281.25 - 6312 6312.75 - 6343.5 95 frequencies spaced 0.75	Existing 6267.75 - 6279.75 17 frequencies spaced 0.75		
New * 6282.75 - 6324.75 57 frequencies spaced 0.75	New** 6270 - 6280.8 18 frequencies spaced 0.6		

WORKING FREQUENCY BANDS	CALLING FREQUENCY BANDS			REMARKS
		CH.		
<p>Existing 8342 - 8355 8375 - 8416 8417 - 8458 98 frequencies spaced 1</p> <p>New* 8377 - 8435 117 frequencies spaced 0.5</p>	<p><u>Group I</u> Common Channels <u>Group III</u></p>	<p>4 5 6 11</p>	<p>6271.8 - 6272.4 6272.4 - 6273 6273 - 6273.6 6276 - 6276.6</p>	
<p>Existing 8357 - 8373 17 frequencies spaced 1</p>	<p>Existing</p>		<p>8357 - 8373</p>	
<p>New** 8360 - 8374.4 18 frequencies spaced 0.8</p>	<p>New** <u>Group I</u> Common Channels <u>Group III</u></p>	<p>4 5 6 11</p>	<p>8360 - 8374.4 8362.4 - 8363.2 8363.2 - 8364 8364 - 8364.8 8368 - 8368.8</p>	

WORKING FREQUENCY BANDS	CALLING FREQUENCY BANDS		REMARKS
	Existing	CH.	
Existing 12504 - 12532.5 12562.5 - 12624 12625.5 - 12687 104 frequencies spaced 1.5	12535.5 - 12559.5 17 frequencies spaced 1.5		
New* 12565.5 - 12651 172 frequencies spaced 0.5	New** 12540 - 12561.6 18 frequencies spaced 1.2	4 12543.6 - 12544.8 5 12544.8 - 12546 6 12546 - 12547.2 11 12552 - 12553.2	
Existing 16662 - 16710 16750 - 16832 16834 - 16916 109 frequencies spaced 2	Existing 16714 - 16746 17 frequencies spaced 2		

WORKING FREQUENCY BANDS	CALLING FREQUENCY BANDS			REMARKS
		CH.		
New* 16754 - 16858 209 frequencies spaced 0.5	New**  <u>Group I</u> Common Channels  <u>Group III</u>	4 5 6 11	16720 - 16748.8 18 frequencies spaced 1.6 16724.8 - 16726.4 16726.4 - 16728 16728 - 16729.6 16736 - 16737.6	
Existing 22187 - 22221 22270 - 22320 22322.5 - 22370 59 frequencies spaced 2  New* 22250.5 - 22309 118 frequencies spaced 0.5	Existing  New**  <u>Group I</u> Common Channel  <u>Group III</u>	Series 22 MHz  2 4 8	22225 - 22265 17 frequencies spaced 2.5  22227 - 22247 10 frequencies spaced 2 22229 - 22231 22233 - 22235 22241 - 22243	

WORKING FREQUENCY BANDS	CALLING FREQUENCY BANDS		REMARKS
	CH.		
Existing 25084 - 25106.5 16 frequencies spaced 1.5	Existing	25073.5 - 25081 6 frequencies spaced 1.5	
New* 25091.5 - 25108.5 35 frequencies spaced 0.5	New**	25070 - 25076 3 frequencies spaced 2	
	<u>Group I</u> Common Channels	A 25070 - 25072 C 25072 - 25074	
	<u>Group III</u>	B 25074 - 25076	



Canadian Coast Guard radio stations provide a service to ships in certain of the Radiotelegraph bands. The change-over to the new bands should be completed between June 2 and July 31, 1976.

Note 1

	<u>Existing</u> kHz	<u>TRANSMIT</u>  kHz	<u>RECEIVE</u>  kHz
Cambridge Bay Coast Guard Radio VFC	6493.0 13089.5	6493.0 12671.0	(See pages 2, 3, 4, 5 and 6)
Frobisher Bay Coast Guard Radio VFF	4236.5 6493.0 8712.0 13089.5	4236.5 6493.0 8443.0 12671.0	"
Halifax Coast Guard Radio VCS	4285.0 6491.5 8709.0 12874.0 16948.5 22387.0	4285.0 6491.5 8440.0 12874.0 16948.5 22387.0	"
Inuvik Coast Guard Radio VFA	6504.0	6335.5	"
Vancouver Coast Guard Radio VAL	4235.0 6351.5 8722.0 12876.0 17175.2	4235.0 6351.5 8453.0 12876.0 17175.2	"

Canadian ships handling traffic in the high frequency radiotelegraph bands are authorized to use the following families of frequencies:

Note 2

- EXISTING -

<u>KHZ</u>	<u>KHZ</u>	<u>KHZ</u>	<u>KHZ</u>
4174	4195	4205	4219
6261	6292.5	6307.5	6337.5
8243	8390	8410	8450
12522	12585	12615	12675
16696	16780	16820	16900
22207	22285	22330	22348

The change-over to the following new working frequencies should be completed as soon as possible and in any case not later than June 1, 1976.

- NEW -

<u>SERIES 1</u>	<u>SERIES 14</u>	<u>SERIES 34</u>	<u>SERIES 44</u>	<u>SERIES 49</u>
<u>KHZ</u>	<u>KHZ</u>	<u>KHZ</u>	<u>KHZ</u>	<u>KHZ</u>
4138.5	4195	4205	4210	4212.5
6282.75	6292.5	6307.5	6315	6318.75
8377	8390	8410	8420	8425
12565.5	12585	12615	12630	12637.5
16754	16780	16820	16840	16850
<b>22268</b>	22285	22290	22295	22300

Note 3 Canadian ships are presently authorized to use the following families of calling frequencies.

- EXISTING -

<u>kHz</u>	<u>kHz</u>
4180	4185
6270	6277.5
8360	8370
12540	12555
16720	16740
22235	22260

The changeover to the following new calling frequencies should be completed between June 2, 1976 and May 31, 1977.

- NEW -

<u>Group I</u> <u>(West Coast &amp; Western Arctic)</u>			<u>Common Channels</u>			<u>Group III</u> <u>(East Coast &amp; Eastern Arctic)</u>		
<u>CH.</u>	<u>kHz</u>	<u>CH.</u>	<u>kHz</u>	<u>CH.</u>	<u>kHz</u>	<u>CH.</u>	<u>kHz</u>	<u>CH.</u>
4	4181.4	5	4181.8	6	4182.2	11	4184.2	
4	6272.1	5	6272.7	6	6273.3	11	6276.3	
4	8362.8	5	8363.5	6	8364.4	11	8368.4	
4	12544.2	5	12545.4	6	12546.6	11	12552.6	
4	16725.6	5	16727.2	6	16728.8	11	16736.8	
2	22230	3	22232	4	22234	8	22242	