



TRC - 13
ISSUE - 3

TELECOMMUNICATIONS REGULATION CIRCULAR

TABLE OF TRANSMITTING
FREQUENCIES FOR THE BAND
156 - 174 MHz FOR RADIO -
TELEPHONY IN THE MARITIME
MOBILE SERVICE

Telecommunications Regulation Circulars are issued from time to time to provide information to those engaged in Telecommunications in Canada. The content of these circulars is subject to change at any time in keeping with new developments.

EFFECTIVE DATE: MAY 1, 1981

TELECOMMUNICATION REGULATORY SERVICE

CRT - 13
3^e ÉDITION

CIRCULAIRE DE LA RÉGLEMENTATION DES TÉLÉCOMMUNICATIONS

TABLEAU DES FRÉQUENCES
D'ÉMISSION POUR LES
STATIONS DU SERVICE MOBILE
MARITIME DANS LA BANDE
156 - 174 MHz

Les circulaires de la direction de la Réglementation des Télécommunications sont publiées en vue de servir de guide à ceux qui s'occupent des Télécommunications au Canada. Les renseignements contenus dans ces circulaires peuvent être modifiés en tout temps.

MISE EN VIGUEUR: 1^{er} MAI 1981

SERVICE DE LA RÉGLEMENTATION
DES TÉLÉCOMMUNICATIONS

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TELECOMMUNICATIONS
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CIRCULARIRE DES LA RÉGLEMENTATION
DES
TELECOMMUNICATIONS

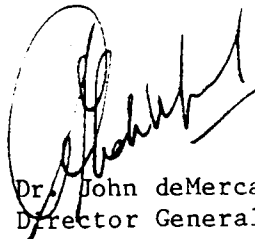
Telecommunications Regulation circulars are intended for the guidance of those who are actively engaged in telecommunications in Canada.

This circular provides a table of transmitting frequencies for the band 156-174 MHz for radiotelephony in the Maritime Mobile Service.

Les circulaires de la Direction de la réglementation des télécommunications servent de guide à ceux qui s'occupent activement des télécommunications au Canada.

Cette circulaire fournit un tableau des fréquences d'émission pour les stations du service mobile maritime dans la bande 156-174 MHz.

Le Directeur général
Service de la réglementation
des télécommunications



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CANADIAN PLAN FOR VHF MARITIME MOBILE RADIOTELEPHONE CHANNELS

I/S - INTERSHIP

VTM - VESSEL TRAFFIC MOVEMENT

S/S - SHIP/SHORE

RR - RADIO REGULATIONS (International
Telecommunication Union -ITU)

| CHANNEL DESIGNATORS | Transmitting Frequencies (MHz) | | FUNCTION AND TYPE OF TRAFFIC | NOTES AND REMARKS |
|------------------------|--------------------------------------|-------------------|---|---|
| | Ship Stations | Coast Stations | | |
| 65 A | 156.275 | 156.275 | Simplex I/S & S/S - Port Operations | |
| 06 | 156.300 | --- | I/S | See RR Note h) |
| 66 A | 156.325 | 156.325 | Simplex I/S & S/S - Port Operations | |
| 07 A | 156.350 | 156.350 | Simplex I/S & S/S - Commercial | |
| 67 | 156.375 | 156.375 | Simplex I/S & S/S - Commercial and Non-Commercial | See RR Note n) |
| 08 | 156.400 | --- | I/S - Commercial | |
| 68 | 156.425 | 156.425 | Simplex I/S & S/S - Non-Commercial (Recreational Craft-Marinas Yacht Clubs) | See RR Note p) |
| 09 | 156.450 | 156.450 | Simplex I/S & S/S - Commercial/Non-Commercial | Assigned Vessel Traffic Movement Use St. Lawrence River Area See RR Notes c) and o) |
| 69 | 156.475 | 156.475 | Simplex I/S & S/S - Non-Commercial | See RR Note p) |

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|------------------------|--------------------------------------|-------------------|---|---|
| | Ship Stations | Coast Stations | | |
| 10 | 156.500 | 156.500 | Simplex I/S & S/S - Commercial | Assigned Vessel Traffic Movement Use St. Lawrence River Area. See RR Note n) |
| 70 | 156.525 | --- | Simplex I/S - Non-Commercial (Recreational Craft) | See RR Notes c) and o) |
| 11 | 156.550 | 156.550 | Simplex I/S & S/S - Ship Movement (VTM) | See RR Note p) |
| 71 | 156.575 | 156.575 | Simplex I/S & S/S - Non-Commercial Recreational Craft Marinas) | See RR Note p) |
| 12 | 156.600 | 156.600 | Simplex I/S & S/S - Ship Movement (VTM) | See RR Note p) |
| 72 | 156.625 | --- | Simplex I/S - Commercial and Non-Commercial | See RR Notes c) and o) |
| 13 | 156.650 | 156.650 | Simplex I/S & S/S - Ship Movement (VTM) | See RR Note p) |
| 73 | 156.675 | 156.675 | Simplex I/S - S/S - Commercial and Non-Commercial | See RR Note n) |

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|------------------------|--------------------------------------|-------------------|--|---------------------------|
| | Ship Stations | Coast Stations | | |
| 14 | 156.700 | 156.700 | Simplex I/S & S/S - Ship Movement (VTM) | See RR Note p) |
| 74 | 156.725 | 156.725 | Simplex I/S & S/S - Ship Movement (VTM) | See RR Note p) |
| * 15 | 156.750 | 156.750 | Simplex - I/S & S/S - Government Operations | See RR Notes g) and l) |
| 75 | | | Not available - Guard Band for Channel 16. | |
| 16 | 156.800 | 156.800 | Distress Safety and Calling | |
| 76 | | | Not available - Guard Band for Channel 16. | |
| 17 | 156.850 | 156.850 | Simplex I/S & S/S - Pilotage | See RR Notes g) and l) |
| 77 | 156.875 | 156.875 | Simplex I/S & S/S - Pilotage | |
| 18 A | 156.900 | 156.900 | Simplex I/S & S/S - Commercial | See RR Note f) |
| 78 A | 156.925 | 156.925 | Simplex I/S & S/S - Commercial | |

* Further assignments withheld pending the development of Emergency Position Indicator Radio Beacon (EPIRB)

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|---------------------|--------------------------------|----------------|---|------------------------|
| | Ship Stations | Coast Stations | | |
| 19 A | 156.950 | 156.950 | Simplex I/S & S/S - Commercial (presently used by Canadian Coast Guard) | |
| 79 A | 156.975 | 156.975 | Simplex I/S & S/S - Commercial | See RR Notes f) and p) |
| 20 | 157.000 | 161.600 | Duplex S/S - Port Operations | See RR Note f) |
| 80 A | 157.025 | 157.025 | Simplex I/S & S/S - Commercial | See RR Notes f) and p) |
| 21 A | 157.050 | 157.050 | Simplex I/S & S/S - Federal Government Use (Joint Canadian & U.S. Coast Guard) | See RR Note f) |
| 21B | | 161.650 | Continuous Marine Broadcast (Canadian Coast Guard) | |
| 81 A | 157.075 | 157.075 | Simplex I/S & S/S - Federal Government Use (Joint Canadian & U.S. Coast Guard - Anti-Pollution) | |
| 22 A | 157.100 | 157.100 | Simplex I/S & S/S - Federal Government Use (Joint Canadian & U.S. Coast Guard - Liaison channel for communication between Coast Guard & non-Coast Guard stations) | See RR Note f) |

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|---------------------|--------------------------------|----------------|---|-------------------|
| | Ship Stations | Coast Stations | | |
| 82 A | 157.125 | 157.125 | Simplex I/S & S/S - Canadian Coast Guard/ U.S. Government Agencies | |
| 23 | 157.150 | 161.750 | Duplex S/S - Public Correspondence | |
| *83 A | 157.175 | 157.175 | Simplex I/S & S/S - Canadian Coast Guard/ U.S. Coast Guard and other Government Agencies | |
| *83 B | | 161.775 | Continuous Marine Broad- cast (Canadian Coast Guard) | |
| 24 | 157.200 | 161.800 | Duplex S/S - Public Correspondence | |
| 84 | 157.225 | 161.825 | Duplex S/S - Public Correspondence | |
| 25 | 157.250 | 161.850 | Duplex S/S - Public Correspondence | |
| 85 | 157.275 | 161.875 | Duplex S/S - Public Correspondence | |
| 26 | 157.300 | 161.900 | Duplex S/S - Public Correspondence | |
| 86 | 157.325 | 161.925 | Duplex S/S - Public Correspondence | See RR Note q) |

* On the Pacific coast, the duplex mode is used on these channels.

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|---------------------|--------------------------------|----------------|---------------------------------------|-------------------|
| | Ship Stations | Coast Stations | | |
| 27 | 157.350 | 161.950 | Duplex S/S - Public Correspondence | |
| 87 | 157.375 | 161.975 | Duplex S/S - Public Correspondence | |
| 28 | 157.400 | 162.000 | Duplex S/S - Public Correspondence | |
| 88 | 157.425 | 162.025 | Duplex S/S - Public Correspondence | |

Note: Where the channel is designated by a number only, the frequencies assigned to ship stations and coast stations for that channel correspond to the international table of VHF frequencies as outlined in Appendix 18 of the I.T.U. Radio Regulations.

The addition of the letter 'A' to the channel designator, indicates that in Canada the channel is restricted to simplex operation using the frequency assigned to the ship station.

The addition of the letter "B" to a channel designator indicates that in Canada the use of channel is restricted to weather receive only on the frequency assigned to the coast station.

DATES REGARDING THE IMPLEMENTATION OF 25 kHz CHANNELLING

1. July 1, 1971 New installations were required to meet Radio Standards Specification (RSS) 182. Existing broadband equipment may continue in operation to be licensed until December 31, 1977.
2. January 1, 1978 All Coast and Ship Stations are to comply with RSS 182.
3. Foreign ships were required to use "narrow band" transmissions as of January 1, 1973; however, they may continue to use broadband receivers until January 1, 1983.

RR NOTES REFERRING TO THE PLAN

- c) Administrations may designate frequencies in the intership, port operations and ship movement services for use by light aircraft and helicopters to communicate with ships or participating coast stations in predominantly maritime support operations under the conditions specified in Nos. 952, 952A, 952B, 952C, 952D and 952E. However, the use of the channels which are shared with public correspondence shall be subject to prior agreement between interested and affected administrations.
- f) The two-frequency channels for port operations (18, 19, 20, 21, 22, 79 and 80) may be used for public correspondence, subject to special arrangement between interested and affected administrations.
- g) Until January 1, 1983, the effective radiated power of ship stations on channels 15 and 17 shall not exceed 1 W. (Not available in Canadian waters for on-board communications)

- h) The frequency 156.300 MHz (channel 06) (see No. 953) may also be used for communication between ship stations and aircraft stations engaged in coordinated search and rescue operations. Ship stations shall avoid harmful interference to such communications on channel 06 as well as to communication between aircraft stations, ice-breakers and assisted ships during ice seasons.
- l) Channels 15 and 17 may also be used for on-board communications provided the effective radiated power does not exceed 1 W, and subject to the national regulations of the administration concerned when the channels are used in its territorial waters. (However, see Recommendation No. Mar2-11).
- n) Within the European Maritime area and in Canada these frequencies (channels 10, 67, 73) may also be used, if so required, by the individual administrations concerned, for communication between ship stations, aircraft stations and participating land stations engaged in coordinated search and rescue and anti-pollution operations in local areas, under the conditions specified in Nos. 952, 952A, 952B, 952C, 952D, and 952E.
- o) The preferred first three frequencies for the purpose indicated in Note c) are 156.450 MHz (channel 09), 156.525 MHz (channel 70) and 156.625 MHz (channel 72).
- p) These channels (68, 69, 11, 71, 12, 13, 14, 74, 79, 80) are the preferred channels for the ship movement service. They may, however, be assigned to the port operations service until required for the ship movement service if this should prove to be necessary in any specific area.
- q) This channel (86) may be used as a calling channel if such a channel is required in an automatic radiotelephone system when such a system is recommended by the C.C.I.R.

NOTE

Radio Frequency channels 01 to 05 which are presently allocated to Canadian railways for operations in the land mobile service may also be assigned to stations of the Maritime Mobile Service on the West Coast only. Railway priority on these channels will continue to be recognized and protection from interference will be provided.

Channels 61A, 62A and 04A (Simplex) are also available to the fishing industry on the east coast.