



**Government  
of Canada**

**Department of Communications**

**TRC - 8**

# **TELECOMMUNICATIONS REGULATION CIRCULAR**

## **COMMON CARRIER SERVICE FOR RADIO PAGING**

**EFFECTIVE DATE: MAY 30, 1975  
(REPLACES CIRCULAR TRC-8 OF JANUARY 20, 1970)**

**TELECOMMUNICATION REGULATORY SERVICE  
OPERATIONS BRANCH**

Telecommunications Regulation Circulars are issued for the guidance of those engaged in telecommunications in Canada. The information contained in these circulars is subject to change, therefore, interested persons should consult the nearest Regional or District Telecommunications Office of the Department for further information.

## COMMON CARRIER SERVICE FOR RADIO PAGING

1. Purpose.

The purpose of Common Carrier Service for Radio Paging is to provide a one-way signalling service (tone or voice).

2. Eligibility.

- 1) Those individuals or companies that provide
    - a) general land mobile service as an extension to their land telephone wireline service, and/or
    - b) restricted common carrier land mobile service (RCCMRS),
  - 2) Those individuals or companies that satisfy the department that they are capable of supplying such a service
- may be granted licences to establish a Common Carrier Service for Radio Paging.

3. Licensing.

- 1) A station performing common carrier service for radio paging shall be licensed as a Land Station performing a Restricted Public Commercial service; fee \$100.00 per annum.
- 2) All licences are issued under the Radio Act and Regulations made thereunder. Copies of the Act and Regulations may be purchased from Information Canada.

4. Frequencies.

- 1) Frequencies for exclusive one-way paging transmissions are available as follows:
  - a) For Telecommunications Common Carriers Providing a Land Telephone Wireline Service

MHz

35.22 or 35.58  
 43.22 or 43.58  
 152.48  
 157.74  
 454.10  
 454.35

- b) For all other Telecommunications Common Carriers Including Restricted Common Carriers

MHz

35.58 or 35.22  
 43.58 or 43.22  
 163.44  
 167.10  
 459.10  
 459.35

- 2) Frequencies for one-way paging on a secondary basis to land mobile two-way service are available as follows:
  - a) Common carriers now providing a General Land Mobile or Restricted Land Mobile Radio Service may be permitted to provide a radio paging service on frequencies assigned to their respective land mobile two-way systems in the 150.8 - 174.0 MHz and 450 - 470 MHz bands on a shared secondary basis to that service.
  - b) Frequency channels allocated, but not yet assigned to the telecommunications common carriers and restricted common carriers in the 150.8 - 174.0 MHz and 450 - 470 MHz bands for land mobile two-way radiotelephone service, may be made available for one-way paging transmissions (tone or voice) on a secondary basis to the primary land mobile two-way service.
  - c) Where any of the discrete frequencies listed above are not available in certain areas other frequencies including those in the band 148 - 150.8 MHz may be selected and co-ordinated with the United States where necessary.
  - d) Frequencies for exclusive one-way paging transmissions in the 30 - 50 MHz, 148.0 - 174.0 MHz and 450 - 470 MHz bands, shall be assigned on an area basis and shall not be shared with other similar licensees in the same area unless it can be shown that time sharing on the same frequency in the same area is feasible.

5. Technical Requirements -

1) Transmitters

<u>a) Frequency Bands</u>	<u>Radio Standards Procedure (RSP)</u>	<u>Radio Standards Specification (RSS)</u>
MHz		
27.28 - 50		RSS 139 and 140 for FM & AM respectively.
138 - 144 148 - 150.9	RSP 103 using RSS 126 as a guide (if equipment meets RSS 126 it is acceptable)	
150.8 - 174		RSS 126
410 - 420 450 - 470		RSS 105

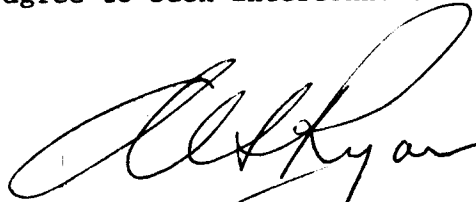
- b) Type of Emission - A2, A3, F2, F3 may be authorized as required.
- c) Power - The effective radiated power shall be limited to that necessary to permit the authorized service but in any case it shall not exceed 500 W.

- 2) Receivers are required to be approved in accordance with RII Specification 201 and as such are exempt from licensing.

6. Operational Constraints

- 1) Where coded tones are used, they shall be selected by licensees and co-ordinated when necessary with other licensees in the same area to ensure compatibility of operation.
- 2) When the base station transmitting frequency is shared with other users in the area, the licensee will be required to monitor that channel at all times.
- 3) Paging transmissions shall be of short duration and in general, must not impede or cause harmful interference to regular two-way land mobile service on any R.F. channel.

NOTE: Common Carrier Radio Paging Systems may be interconnected to the switched telephone network where the telephone company and the licensee agree to such interconnection.



W.S. Ryan, Director,  
Operations Branch,  
Telecommunication  
Regulatory Service.