January 28, 2022

IMPORTANT INFORMATION ON RESOURCE INDUSTRY RADIO CHANNELS USED IN BRITISH COLUMBIA

Innovation, Science and Economic Development Canada (ISED) has been working with stakeholders across BC to standardize radio channels for use on resource roads to enhance traffic safety. In response to requests from stakeholders and road safety groups, **an additional 9 Loading channels are being added to radio licence appendix RR – British Columbia Resource Road Channels.** This will allow for 14 loading channels and 35 road channels for a total of 49 resource road channels. The new channels are labeled LD-6 to LD-14.

Implementation: The new Loading Channels are now available for use and may be programmed into radio equipment that is licenced with Appendix RR.

Usage:

Resource Road (RR) Channels: RR channels are used for calling kilometers on radio assisted roads. The specific RR channel used will be posted at the entry point of the road. Please visit the Ministry of Forests, Lands and Natural Resources Operations web page to view the most current maps indicating where each channel is used: https://www2.gov.bc.ca/gov/content/industry/natural-resource-use/resource-roads/radio-communications

Loading (LD) Channel: LD channels are used for the co-ordination of temporary site specific field work. The loading and unloading of resources or equipment and short term field work within a cut block are two possible examples. The selection of the specific LD channel to use is up to the person in charge of the site. When a channel is selected, be sure to listen for a period of time to ensure you are not interfering with other operations.

Technical Details:

Radio Channels: There are a total of 49 unique channels: 35 road channels and 14 loading channels.

Radio Transmitter Power: Output power has been standardized to 30 watts maximum on all channels.

Bandwidth: All channels are simplex **narrowband (11 kHz)**.

Channel Designations: The channel labels are RR-1 to RR-35 and LD-1 to LD-14.

Radio Channel Programming: All channels should be programmed into a separate bank. NON-RR/LD channels should not be mixed in this bank. Only RR-XX or LD-XX label should appear on the radio display since this is what will correspond to the road signs. No other channel information should be displayed.

Radio Licencing: Two-way radios require a valid radio licence which can be applied for online at http://sms-sgs.ic.gc.ca/eic/site/sms-sgs-prod.nsf/eng/home or by submitting a mobile radio Station Licence Application available at https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf06052.html to ISED.

Radio Equipment: Radios must be approved under RSS-119 issue 5 or later and must be able to accommodate narrowband channels. The use of amateur, marine or user programmable radios are not permitted.

Appendix RR:

Road Channels				
Frequency MHz	**Label**	**Frequency MHz**	**Label**	
150.0800	**RR-1**	150.7700	**RR-19**	
150.1100	**RR-2**	150.8300	**RR-20**	
150.1400	**RR-3**	151.0100	**RR-21**	
150.1850	**RR-4**	151.1300	**RR-22**	
150.2000	**RR-5**	151.1900	**RR-23**	
150.2450	**RR-6**	151.2200	**RR-24**	
150.2600	**RR-7**	151.3100	**RR-25**	
150.3200	**RR-8**	151.3400	**RR-26**	
150.3650	**RR-9**	151.3700	**RR-27**	
150.4100	**RR-10**	151.4300	**RR-28**	
150.4400	**RR-11**	151.4600	**RR-29**	
150.5000	**RR-12**	151.4900	**RR-30**	
150.5300	**RR-13**	151.5200	**RR-31**	
150.5450	**RR-14**	151.5800	**RR-32**	
150.5600	**RR-15**	151.6100	**RR-33**	
150.5900	**RR-16**	151.6400	**RR-34**	
150.6800	**RR-17**	151.6700	**RR-35**	
150.7100	**RR-18**			

Loading Channels	
Frequency MHz	**Label**
151.7000	**LD-1**
151.7450	**LD-2**
151.7900	**LD-3**
151.8050	**LD-4**
151.8500	**LD-5**
150.4850	**LD-6**
153.2150	**LD-7**
154.6650	**LD-8**
152.3300	**LD-9**
153.6350	**LD-10**
157.5900	**LD-11**
159.7500	**LD-12**
164.0100	**LD-13**
165.9600	**LD-14**

Note for radio suppliers:

This is also a good time to confirm your clients are properly licenced and programmed. No further action is required for users whose mobile licences are already authorized with Appendix RR. If your client does not yet have Appendix RR on their licence, a request must be made to ISED to have this added. Your clients can email us, quoting their company name & licence number, or suppliers can make the request to ISED on their behalf.

Appendix RR requests should be sent to your local ISED Office.

Questions:

Should you have further questions, please contact your local ISED Office. Contact information can be found in RIC-66 available at http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01742.html

- British Columbia and Yukon Offices: 1 (800) 667-3780
- Central and Northern Alberta District Office: 1 (800) 461-2646
- Southern Alberta District Office: 1 (800) 267-9401