



May 12 2014

IMPORTANT INFORMATION ON RESOURCE INDUSTRY RADIO CHANNELS USED IN BRITISH COLUMBIA

Industry Canada has been working with stakeholders across BC to develop a standardized bank of radio channels for use on resource roads to enhance traffic safety. This notice is to inform you about this channeling plan, the programming specifications, and it's implementation on **Vancouver Island**, some areas on the **Sunshine Coast**, and the **Squamish** area.

Implementation: The new Resource Road channel plan will come into use **Saturday, August 23 2014**.

Note that this affects *only those Forest Service Roads that are currently operating the PILOT Resource Road Channels in the above areas. These roads will be posted with the corresponding RR signage.* However, even trucks that only occasionally drive these roads should still have the new channels installed. Users should also anticipate that the use of these standardized channels will be expanded to other areas of Vancouver Island and other areas of the province in the future.

Usage:

Resource Road (RR) Channels: RR channels are used for radio assisted traffic control. 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. http://www.for.gov.bc.ca/hth/engineering/Road_Radio_Project.htm. Examples of typical road channel signs can viewed on-line at: http://www.for.gov.bc.ca/hth/engineering/sign_standards.htm.

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.

Interference can result if any channel is used improperly, such as for "chit-chat", etc. Please use the LAD channels for talk not directly associated with these designated uses. All channels are designated that they cause no interference to other users and must accept interference from other priority spectrum users.

Technical Details:

CTCSS Tones no longer used: CTCSS Tones are no longer used due to compatibility issues. All channels are to be programmed as Carrier Squelch only.

Radio Channels: Frequencies have been added to accommodate the discontinuation of tones. There are now a total of 40 unique channels: 35 road channels, and 5 loading channels.

Radio Transmitter Power: Output power has been standardized to 30 watts maximum on all channels. 5 watt channels were not found to provide sufficient benefit to the overall system.

Channel Designations: The channel labels are RR-1 to RR-35 and LD-1 to LD-5. The removal of tones now means that the former suffix "A", "B", or "C" for each label is no longer necessary.

Radio Channel Programming: All channels should be programmed into a separate bank. There should not be any NON-RR/LD channels mixed in this bank. Only the 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 Industry Canada radio licence. The use of amateur, marine or user programmable radios are not permitted. Radios must be approved under RSS 119 issue 5 or later and must be able to accommodate narrowband channels.

Bandwidth: All channels are simplex narrowband (11 kHz). Use of wideband radios is not acceptable.

| 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 |

Contact Industry Canada at:

British Columbia/Yukon
1-800-667-3780

North Central Alberta
1-800-461-2646

Southern Alberta
1-800-267-9401

Note for radio suppliers:

Advanced planning with clients is recommended, to ensure their radios are programmed *prior* to the RR roll-out.

This is also a good time to confirm your clients are properly licenced. Users must have the RR Appendix on their mobile licence. If they do, no further action is required. If a client does not have RR Appendix on their licence, it must be added. Clients can email us directly; quoting their company name & licence #. Alternatively, suppliers can make the request to IC on their clients' behalf.

Appendix RR requests for Vancouver Island clients should be sent to victoria.district@ic.gc.ca
Appendix RR requests for Squamish & Sunshine Coast clients should be sent to vancouver.district@ic.gc.ca

Should you have further questions, please don't hesitate to contact our Victoria office at 1-800-667-3780.

Thank-you.



Jeff Stanhope
Manager, Vancouver Island District



Visit our web site @ <http://www.ic.gc.ca>