

## **IMPORTANT INFORMATION ON RESOURCE INDUSTRY RADIO CHANNELS USED IN BRITISH COLUMBIA**

Presently there are over 650,000 km's of resource roads in British Columbia. Often resource roads utilize a radio channel to assist the safe flow of traffic. Industry Canada has been working with its partners to develop a standardized bank of radio channels that have been tested in two pilot areas. Final changes have been made to the resource road standardized radio channels.

This notice will inform you about implementation, changes, channel designations, and channel programming specifications.

### **Implementation:**

Initial implementation will come into effect **June 15, 2013 for the South Peace** and will expand into other areas of B.C. in the future.

### **Changes:**

#### ***CTCSS Tones no longer used***

CTCSS Tones are no longer used due to compatibility issues. Tones are no longer used to create multiple "channels" out of a single frequency.

#### ***Radio Channels***

Radio 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.

#### ***Channel 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 has been removed.

#### ***Resource Road (RR) Channel***

RR channels are used for radio assisted traffic control on resource 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 a map indicating where each channel is used. <http://www.for.gov.bc.ca/ftp/dpc/external/!publish/RoadSafety/> . Examples of typical road channel signs can viewed on-line. [http://www.for.gov.bc.ca/hth/engineering/sign\\_standards.htm](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 specific work. When a channel is selected be sure to listen for a period of time to ensure you are not interfering with other work operations in the area.

Only use channels for their specific resource use and where they are posted. Interference can result if channels are used for unauthorized use, like 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.

### Radio Channel Programming:

All channels should be programmed into a specific 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.

Two way radios require a mobile radio licence. The use of amateur, marine or user programmable radios is not permitted. Radios must be approved under RSS 119 issue 5 or later to accommodate these narrowband channels.

### Channel Specifications:

#### *Bandwidth and Power*

All channels are simplex **narrowband (11 kHz)** with a maximum power of 30 watts.

Road Channels		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:**

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1-800-667-3780

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1-800-461-2646

Southern Alberta  
1-800-267-9401

