

Client Notice of Spectrum Issues & Activities

June 2007

Welcome PACIFIC SPECTRUM CONNECTION shares information with our regional clients on spectrum issues, policies, and regional activities and provides feedback on topics raised by clients.

NEWS

Spectrum Auction in the 2 GHz Range including Advanced Wireless Services

Notice No. DGTP-002-07 outlines the results of the consultation on Advanced Wireless Services (AWS) and requests comments on a number of technical, operational and licensing issues. This paper also announces changes to band plans, AWS spectrum, PCS expansion, and addresses eligibility, competition and auction design issues.

AWS applications include cellular telephony, data, multimedia, IP-based applications and broadband internet access using third generation (3G) cellular and other technologies. All comments received are posted on Industry Canada's Spectrum Management and Telecommunications website and interested parties are now given an opportunity to respond to comments submitted from other parties. Reply comments will be accepted until June 22, 2007.

Pacific Spectrum Connection is now online. Find it on the SITT Gateway under **What's New!** or at <http://sitt.ic.gc.ca>

Dedicated Short Range Communications-Based Intelligent Transportation Systems

Industry Canada is asking for your comments on this recently released document: [Proposed Spectrum Utilization Policy, Technical and Licensing Requirements to Introduce DSRC-based ITS Applications in the Band 5850-5925 MHz](#). Dedicated Short Range Communications (DSRC) systems provide short-range, wireless links to transfer information between vehicles and roadside units or other vehicles. Examples of such transfers include traffic light control, travel alerts, toll collection, emergency vehicle pre-emption of traffic lights and electronic inspection of moving trucks.

More information on ITS can be found at <http://www.itscanada.ca> and <http://www.transportcanada.ca>



New Maritime Mobile Licence Application

A new Maritime Mobile Radio Licence Application Form has been posted on Strategis at http://strategis.ic.gc.ca/epic/site/smt-gst.nsf/en/h_sf06007e.html

REGIONAL ACTIVITIES



This air crane is taking part in heli-logging operations located on Vancouver Island, between Port Alberni and Youbou.

Land-Mobile Frequencies in Aircraft

Use of land-mobile frequencies in aircraft is restricted and subject to radio licensing. A document outlining when these frequencies can be used and the relevant restrictions will be available soon. In the meantime, please contact your local district office for further information.

Summary of Regional Activity

Pacific Region completed these licensing and spectrum control activities from April 2006 to March 2007.

Licensing:

- 2,111 Variable Parameter (land mobile)
- 1,362 Fixed Parameter (mobile, ship, air)
- 442 Microwave
- 1,401 US Coordination Requests

Control:

- 51 Broadcast events
- 166 Radiocommunication (interference)
- 309 Directed investigations
- 829 Inspections

Survey of Recently Licensed Stations

Pacific Region's 2006/07 Land Fixed Survey (LFS) found discrepancies in more than half the stations installed within the previous year. Of 167 stations surveyed 94 had at least one discrepancy.

The most common discrepancies were:

- Antenna characteristics different than applied for.
- Unauthorized frequencies installed.
- Incorrect location.

It's important for suppliers to install equipment exactly as indicated on the radio licence application and for licensees to advise us of any changes. This information is important – it is used to protect all stations from interference and to assess frequency sharing and coordination issues for new stations.

Let your local district office know about proposed changes to your radio station – it's the right way to keep the spectrum clean for the benefit of us all.

Joint Enforcement Road Checks

Road checks are ongoing in Pacific region and were held recently in Lac La Hache and McLeese Lake. 48 vehicles were inspected and 21 warnings were issued. 3 amateur radios were seized because the operators were not certified amateurs and because the radios had been illegally modified to operate in the land mobile band.

Road Channel

RR-10A

150.200 MHz - 114.8 (Tone)

Resource Road – Pilot Implementations

New resource road frequencies will be in place as early as fall 2007 in two areas of BC. Industry Canada, the Ministry of Forests, BC Timber Sales, and the BC Forest Safety Council are working together to conduct pilots in the Vancouver Island/Sunshine Coast and Tumbler Ridge areas. Pilots will roll out with forty-two new channels operating at reduced power levels of five watts or less. Fourteen new narrowband frequency assignments combined with three sub-audible tones have been used to create the forty-two channels. Pilots will test the new channel designations and their technical parameters. New assignments will initially be applied to resource roads under provincial jurisdiction where there are significant pressures for channels. Public information sessions are scheduled for June 2007 and will be hosted by the BC Forest Safety Council's Forestry TruckSafe initiative. Included will be presentations from Ministry of Forests, BC Timber Sales and Industry Canada. Details of these sessions will be forwarded as available to two-way radio suppliers, installers and other interested parties.

Proposed signage for new Resource Road channel assignments

CLIENT CORNER

This section answers questions posed by clients. Should you have a specific topic or question that you would like to see in a future issue, please send it to us. For a more immediate response, please phone your nearest district office.

Do wireless Internet distribution systems need licensing?

Most wireless Internet services don't require radio licensing because they operate in licence-exempt bands. However, the equipment must still be certified for use in Canada under [RSS-210](#). When offered for sale this equipment must be labelled with its certificate number; the manual must also contain this number. Installation or use of non-certified equipment can result in seizure of the equipment and enforcement action against the operator, vendor or manufacturer.

Why does Industry Canada need to know that I've moved my base station?

The location of your station is important to us! We use this information to:

- Protect your station from interference.
- Select frequencies for new stations in your area.
- Coordinate frequency use with the US.

Let your local district office know if you're planning to move your station. Help us keep the frequency you use in peak condition!

CONTACT US

Your feedback is important to us. Please send your questions, comments and suggestions.

Phone us at **1-800-667-3780** (your call will be routed to the district office in your area), or e-mail us at

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