

May 25, 2018

BC Amateur Repeater Coordination Council  
Attention: Ed Frazer VE7EF

## Information Update for the BCARCC Annual General Meeting

ISED has a renewed focus on innovation as well as enforcement and compliance.

### Enforcement & Compliance

A presentation created for local Emergency Preparedness entities, advising them to avoid operational (professional) communications using Amateur bands, has been developed.

Several organizations appear to misinterpret Section 48 of the Radiocommunication Regulations, and may view the section below as a “stand-alone”, unfettered endorsement for use.

From the Radiocommunications Regulations:

#### Emergency Communications

*48. In a real or simulated emergency, a person operating radio apparatus in the amateur radio service may only communicate with a radio station that is in the amateur radio service in order to transmit a message that relates to the real or simulated emergency on behalf of a person, government or relief organization.*

We are aware of certain entities planning to use Amateur bands in an emergency, however they must adhere to the restrictions surrounding such use. ISED is planning on conducting educational seminars over the next year with Lower Mainland emergency organizations to help clarify limitations on use of the Amateur bands, and encourage use of licensed commercial frequencies.

**Jammers** –Broadband jammers are increasingly being used to interfere with communications in several bands, and are readily available over the internet from suppliers. It is illegal to import, sell, distribute, possess or operate a jammer in Canada.

Recently, ISED successfully prosecuted an individual for possession of a jammer, resulting in a fine of over \$1000. If you become aware of a jammer or its use, please contact your local ISED office immediately.

**Open Handheld Radios** – ISED is aware of some business entities employing cheap VHF/UHF band Amateur radios for commercial uses, programming them with commercial frequencies or even amateur band frequencies. This is illegal, and we ask that you assist us in stopping this practice by reporting Amateur equipment being used for commercial or industrial purposes.

Visit our Spectrum web site:

[https://sms-sgs.ic.gc.ca/eic/site/sms-sgs-prod.nsf/eng/h\\_00010.html](https://sms-sgs.ic.gc.ca/eic/site/sms-sgs-prod.nsf/eng/h_00010.html)

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## Antenna Support Structures

Amateur radio operators with antenna support structures should continue to follow the requirements in CPC 2-0-03, and note that they must follow local Land Use Authority bylaws and requirements even if exempted, and under 15m antenna height. It is also good practice to consult with neighbours prior to erecting antennas which may be objected to.

## 5 351.5 – 5 366.5 kHz Band Power Limit update

The radio amateur community and the RABC requested that the Department adopt the same power limit as originally allowed in Canadian footnote **C21** for the newly allocated secondary allocation in this band. The Department has adopted the following modifications to footnote **C21** in the Canadian Table of Frequency Allocations (2018):

*(CAN-18) Amateur service operators may transmit in the frequency band 5 351.5-5 366.5 kHz and on the following four centre frequencies: 5 332 kHz, 5 348 kHz, 5 373 kHz and 5 405 kHz.*

*Amateur stations are allowed to operate with a maximum effective radiated power of 100 W PEP in each channel and are restricted to the following emission modes and designators: telephony (2K80J3E), data (2K80J2D), RTTY (60H0J2B) and CW (150HA1A).*

*Transmissions in any channel may not occupy a bandwidth of more than 2.8 kHz.*

*Such use is not in accordance with international frequency allocations.*

*Canadian amateur operations shall not cause interference to fixed and mobile operations in Canada or in other countries and, if such interference occurs, the amateur service may be required to cease operations. The amateur service in Canada may not claim protection from interference by the fixed and mobile operations of other countries.*

Thank you for the opportunity to provide an update to the BCARC Council on matters related to amateur radio.

73

Russ Hamilton  
Spectrum Management Officer  
VE7RWX

### District Staffing

Jeff Stanhope / Herrick Liu - District Manager, Coastal District (Victoria)

Arthur Lo - District Manager, Coastal District (Surrey)

Doug Shorter – District Manager, Coastal District (Surrey)

Mike Amyotte - District Manager, Interior BC and Yukon District (Kelowna)

Brad Davis - District Manager, Interior BC and Yukon District (Prince George)

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