

RABC Update Presented to ISED

September 27, 2016



A Unique Organization

Government/Spectrum Stakeholder Partnership

Spectrum stakeholder representation – Association of Associations

72 years young

Dedicated to the growth of radiocommunication in Canada



Our Work

Provides timely, accurate and broadly-based expert advice on the management and use of radio spectrum to the Canadian Government – Innovation, Science and Economic Development

Offers informed technical non-partisan advice

Primary focus is domestic rather than international issues

Not lobbyists

The RABC is Industry Canada's most relevant source of expert, technical consensus advice on radio spectrum issues regarding the development of technical standards and related regulatory matters.

Evaluation of the Radio
Advisory Board of Canada
Grant Program –
February 2015



Membership

- APCO Canada
- Bell Telecom Group
- Canadian Association of Broadcasters
- Canadian Association of Chiefs of Police
- Canadian Association of Broadcast Consultants
- CBC / Radio Canada
- Canadian Electricity Association
- Canadian Electronics and Communications Association
- Canadian Satellite and Space Industry Forum
- Canadian Wireless Internet Service Providers
- CWTA
- Department of National Defence
- Government of Ontario
- Model Aeronautics Association of Canada
- Nav Canada
- Radio Amateurs of Canada
- Railway Association of Canada
- Rogers
- RCMP
- TELUS
- UTC Canada



Leadership

President

Don Woodford



Past President

Daniel Lafreniere



Executive Vice President

Susan Winter



Vice Presidents

Terry Duchcherer



Viet Nguyen



Alourdes Sully



Geoff Catliff



Ron Williscroft



Charles Rousseau



ex officio

Martin Proulx and Peter Hill

General Manager

David Farnes



Collaborative Consultation Process

- ISED publishes draft policies and seeks public comment
 - RABC usually comments on all relevant draft policies (technical issues)
- Draft Technical Specifications/Standards are usually created in dialog between ISED and RABC
 - Once prepared by RABC/ISED, specs are usually published and come into force on the date of publication
- RABC conducts a ballot of its members prior to submitting formal responses to ISED
- RABC also initiates processes without formal requests from ISED
 - For example the process to deal with the effects of wind turbines
- Non-member participation is accommodated on an issue-by-issue basis as per RABC policies and ISED direction
- RABC processes and procedures ensure ISED receives well-balanced, timely expert advice from spectrum stakeholders within Canada



Proven Value

- RABC streamlines the engagement and consultation process for ISED & stakeholders
- ISED grant to RABC of \$85,000; membership dues equal \$85,000
- Estimated member time of participation in RABC activities is about 2,000 hours (equal to more than \$1 million in salaries)
- ISED staff also contribute significant time
- Without the RABC, ISED would require additional staff and the length of consultations would increase significantly

The RABC provides an efficient, economical means for spectrum stakeholder consultation. The resulting value of work and advice received far exceeds the annual cost of the grant, which has remained unchanged since 2006. Altogether, the evidence indicates that the RABC is an effective model for stakeholder consultation.

**Evaluation of the Radio Advisory Board of
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Additional Value

RABC hosts conferences, workshops and acts as the Secretariat for CITE/ITU meetings when appropriate for the benefit of ISED, RABC members and other stakeholders

Spectrum 20/20; CITE, White Spaces, 70th Anniversary

The William Taylor Scholarship in Radiocommunications – sponsored by RABC - fostering future leaders in radiocommunication

Awarded annually to a student who has completed second year engineering and who demonstrates a keen interest in communications technology



Innovation

Innovative & new uses of spectrum cannot happen without timely updates to standards; these updates are driven through the RABC with an eye on efficient and effective spectrum use and minimization of interference

5G, Super Wi-fi, Digital Broadcast, Wireless Internet, Connected Cars, IOT, MURS, new standard ICES-005 Lighting Equipment to take effect on 1 December 2016

Research & Innovation open new spectrum frontiers requiring the development of new standards and regulations and the RABC is the forum for drafting the new requirements with an eye on international developments

Millimeter-wave frequencies during the last decade, White Spaces

Security is a crucial element of an innovation & growth strategy
wireless security, cyber security, infrastructure security



Conclusion

The RABC is an effective model for consultation with spectrum users on technical matters and it delivers significant value to ISED and the members of RABC.

The Board provides a forum for open discussion and understanding the perspectives of various stakeholders and it is the envy of many jurisdictions around the world. ISED participation plays a key role in RABC success.

RABC remains committed to working collaboratively with ISED to support the Department in current and future initiatives.

For more information: www.rabc-cccr.ca or david@rabc-cccr.ca

