

RABC NEWS

ISED Updates | La Bourse d'études en Radiocommunications | Committees

Le lauréat des bourses d'études

Le lauréat de la bourse 2020 est Tyler Gamvrelis, étudiant à la maîtrise dans le groupe de communication (Département de génie électrique et informatique) à l'Université de Toronto. Viet Nguyen, Charles Rousseau et David Farnes ont eu une rencontre virtuelle avec Tyler pour le féliciter et lui présenter le chèque.

Félicitations Tyler!

Next Quarterly

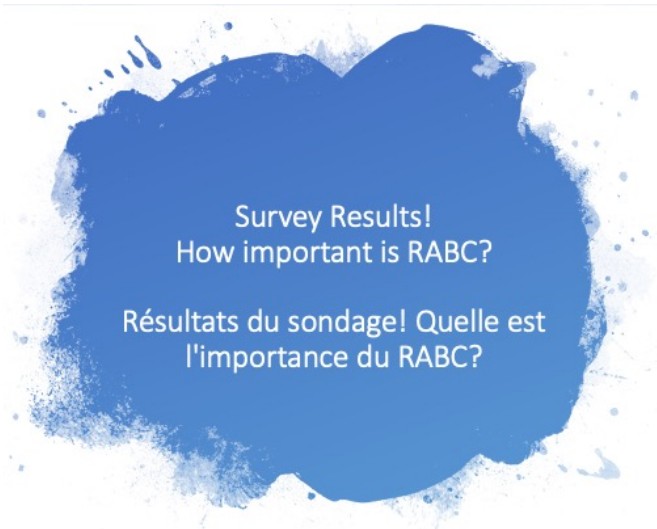
Our next Quarterly Meeting will take place on March 4, 2021. The meeting will take place on-line.

New Address

We are moving to a virtual office. Please update your records.

Radio Advisory Board
2583 Carling Avenue
Unit M038
Ottawa, ON, K2B 7H7

Tel: 1-613-696-5850



Enquête de performance/ Performance Survey

Nous avons sondé 149 participants, y compris des membres du CCCR et des fonctionnaires d'ISDE. Plus de 96% des répondants estiment que le CCCR est importante ou extrêmement importante pour un processus d'examen réglementaire efficace en termes de minimisation de la charge de travail et de minimisation du temps nécessaire pour finaliser les exigences réglementaires. Près de 90% ont constaté que le CCCR est, dans une proportion élevée ou modérée, efficace pour contribuer à minimiser les interférences du spectre.

Merci à tous ceux qui ont répondu.

William Taylor Scholarship

The 2020 scholarship winner is Tyler Gamvrelis, a Master's student in communications group (Department of Electrical & Computer Engineering) at the University of Toronto. Viet Nguyen, Charles Rousseau and David Farnes held a virtual meeting with Tyler to congratulate him and "present" the cheque.

Congratulations Tyler!

Prochaine réunion

Notre prochaine réunion trimestrielle aura lieu le 4 mars 2021. La réunion se déroulera en ligne..

Nouvelle adresse

Nous déménageons dans un bureau virtuel. Veuillez mettre à jour vos dossiers.

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We surveyed 149 participants including RABC members and officials from ISED. More than 96% of respondents believe RABC is important or extremely important to an efficient regulatory review process in terms of minimizing workload and minimizing the time required to finalize regulatory requirements. Nearly 90% found that RABC is, to a great or moderate extent, effective in contributing to ensuring that spectrum interference is minimized.

Thank you to everyone who responded.

Committee Business

The reviews of several consultations concluded over the summer, with RABC submitting advice to the Department. The Advance Wireless subcommittee, Chaired by Geoff Catliff, was very busy preparing a response to the 3800 MHz consultation. Both the Radio and Safety Code 6 subcommittees of the Broadcasting Committee recently held meetings. The Spectrum Management System Improvement Committee also held a meeting. It is working closely with the Department on near-term improvements to the SMS and is planning to launch a sustained effort to improve the overall integrity of the data in the SMS database. Good progress is being made. The Electromagnetic Compatibility (EMC) Committee held a meeting to review RSP-102, *Special Authorization Procedure for Terminal, Radio, Broadcasting and Interference-Causing Equipment to be Certified, Registered or Deemed in Compliance with Technical Equipment Standard(s)* and the Board submitted a response to the Department.

Several committees will be busy reviewing new consultations.

- **Breaking** - A new working group of the Board has been created to review SMSE-014-20, *Consultation on the Technical and Policy Framework for Licence-Exempt Use in the 6 GHz Band*. Thank you to Jean-Yves Bernard for volunteering to Chair the working group.
- The Electromagnetic Compatibility (EMC) Committee will be reviewing 5 new consultations. Three of the consultations deal with the procedures to recognize/designate Conformity Assessment Bodies. One deals with the Procedure of Declaration of Conformity of Terminal Equipment. The fifth consultation deals with the

requirement and test methods for Hearing Aid Compatibility.

- The Mobile & Personal Communications Committee will be reviewing RSS-182, *Maritime Radio Equipment Operating in the Band 156-162.5 MHz*.

A new permanent committee is being established to work with the Department on its Spectrum Management Innovation initiatives. Rob Berezowski has volunteered to Chair the new committee. The ongoing work of the SMS Improvement Committee will be incorporated into the new committee.

Updates from the Department

The Department continues to support telecom service providers and ICT players during the pandemic. Notably, ISED continues to issue temporary authorizations and fast-tracks emergency short-term spectrum sharing arrangements. It is anticipated that the need for these authorizations will diminish as network volumes stabilize. Looking ahead, the Department will focus activities on supporting the economy as the country bounces back after the pandemic.

The updates presented during the RABC Quarterly Meeting offer a glimpse into the anticipated workload in the coming quarter:

- The 6 GHz Band consultation was launched on November 19th. Comments are due January 19, 2021. Key proposals include:
 - ✦ Allowing standard power indoor and outdoor RLANS from 5925-6875 MHz band under the control of an Automated Frequency Coordination system;
 - ✦ Allowing low power indoor only RLANS in the full 1200 MHz (5925-7125 MHz band);
 - ✦ Allowing very low power indoor and outdoor device in the 1200 MHz;
 - ✦ Requirements for the Automated Frequency Coordination (AFC) System.
- The 3500 MHz Auction Framework has had some changes made to the Table of Key dates, with some deadlines extended into next year. The responses to clarification questions should be published on December 8, 2020 and the transition manual

CRTPB

**Canadian Radio
Technical Planning Board**

WHY AND WHAT IT IS

In 1944 it became apparent that the increasing complexity of radio communications and allied equipment and systems which utilize or effect the radio frequency spectrum required a special organization to study the many problems involved in frequency allocation and conservation, equipment specifications and related areas. Such an organization could make it possible for government and non-government interests to cooperate to their mutual benefit, having in mind that the spectrum is in the public domain and that the rights of all Canadians must be protected.

The Canadian Radio Technical Planning Board was organized in that year at a meeting convened by the Department of Transport, as a non-political, non-profit organization of associations of users of radio communications and certain allied equipment, manufacturers, engineering and educational societies, etc.

The objectives of the Board are to advise the Government concerning the development and regulation of radio services in Canada. Such advice shall be in the public interest and shall be based on consideration of both technical and economic factors. This involves the formulation of sound engineering principles and organization of technical facts and recommendations which will assist the Government in matters affecting the management of the radio spectrum. The main work of the Board is confined to technical considerations, although policy matters

RABC was originally named the Canadian Radio Technical Planning Board/Le CCCR s'appelait à l'origine le Canadian Radio Technical Planning Board

should be published on February 26, 2021.

- Reply Comments in the 3800 MHz consultation are due November 30, 2020.
- ISED will be consulting further on the licensing and action framework for some mmWave bands (26 GHz, 28 GHz and 37.6-40 GHz).
- Draft changes to both CPC-2-0-20, *Radio Frequency (RF) Fields – Signs and Access Control* and CBC-2-0-03 *Radiocommunications and Broadcasting Antenna Systems* are anticipated. Timing to be determined.
- The next phase end date for the 600 MHz Transition is April 9, 2021.
- The Department is working on implementing the point-to-point fee modernization (there is more optimism that the new regime can be implemented for April 1, 2021). The standard Canada Gazette consultation for changes to government fees must be conducted prior to the new fees taking effect.
- ISED has updated its website on licensing of service areas (tiers). It has added the Tier 5 service areas.
- An extensive transformation project is underway to improve the current spectrum management tools and to develop additional tools to meet the needs of licensees as technology evolves.
- Minor updates are proposed for GL-10, *Interim Guideline for Licensing of Earth Stations in the Fixed-Satellite, Earth Exploration-Satellite and Space Research Services in the Frequency Bands 26.5-28.35 GHz and 37.5-40.0 GHz*.
- Further consultation on the technical rules for white space databases (DBS-01) is planned for the fall of 2021.
- RABC engagement will be requested to review SRSP-511 (700 MHz narrowband), to add provisions for limited air-to-ground use.
- Work to begin on the development of SRSP-Gen for backhaul systems.
- The Department is drafting a new Broadcast Circular with experimental ATSC 3.0 rules for Broadcasting. Consultation with RABC likely in spring 2021.
- RABC engagement to be required to incorporate experimental IBOC rules, as well as to update BETS-7.

GL-10 Workshops

RABC will be hosting a workshop for members and guest to learn about the the proposed changes to the guidelines. A second workshop will be held so that feedback can be provided to the Department.

Please contact the RABC General Manager for details about the workshops.

- A Decision was published in response to the consultation on Globalstar's ATC application.
- The Department is reviewing Earth Station Licensing and Fee regime, as well as other satellite-related fees for updates.
- Updates to RSS-222, *White Space Devices*, should be available for review towards the end of December.
- Updates to RSS-117, Land and Coast Station Transmitters Operating in the Band 200-535 kHz, should be available for review during the first quarter of 2021.

Recruitment/Recrutement

In 1944 it became apparent that the increasing complexity of radio communications and allied equipment and systems required a special organization to make it possible for stakeholders and government to collaborate on the development of a well functioning Canadian radiocommunications environment. Hence, RABC's predecessor the Canadian Radio Technical Planning Board was born. The original objectives ring true today: to advise the Government concerning the development and regulation of radio services in Canada. Such advice shall be in the public interest and shall be based on consideration of both technical and economic factors. This involves the formulation of sound engineering principles and organization of technical facts and recommendations, which will assist the Government in matters affecting the management of spectrum.

As technology and the radiocommunications environment evolves, so must the membership of RABC. Today, with the emergence of the Internet of Things, 5G and new satellite services, the Board is actively recruiting new participants. Membership in RABC provides an opportunity to contribute to the realistic management of spectrum policy, including technical standards, licensing frameworks and operational matters. If you know of organizations who may be interested in working with RABC members on matters of common interest, or who would like to exchange ideas with industry and government experts,

Why join RABC?

- Get access to one of the best pools of expert knowledge in radiocommunications in Canada.
- Strengthen your position on spectrum management matters through collaboration with other stakeholders to provide powerful expert consensus advice to government through a recognized voice.
- Gain early indications of possible changes to government standards, procedures and regulations.
- Contribute to spectrum planning, standards for radio equipment, licensing and other regulatory matters.
- Work with other stakeholders on industry initiatives to further the development of radiocommunications in Canada.

please send your suggestions to the General Manager. Similarly, if you would like to know more about the Board's member recruitment initiatives - or to participate - please contact the General Manager.

En 1944, il est devenu évident que la complexité croissante des communications radio et de l'équipement et des systèmes connexes nécessitait une organisation spéciale pour permettre aux intervenants et au gouvernement de collaborer au développement d'un environnement canadien de radiocommunications qui fonctionne bien. Le prédécesseur du RABC, le Conseil de planification technique de la radio canadienne, est donc né. Les objectifs originaux sont encore d'actualité aujourd'hui: conseiller le gouvernement concernant le développement et la réglementation des services radiophoniques au Canada. Ces conseils doivent être dans l'intérêt public et se fonder sur des considérations à la fois techniques et économiques. Cela implique la formulation de principes d'ingénierie solides et l'organisation de faits techniques et de recommandations, qui aideront le gouvernement dans les questions touchant la gestion du spectre.

À mesure que la technologie et l'environnement des radiocommunications évoluent, les membres du RABC doivent évoluer. Aujourd'hui, avec l'émergence de l'Internet des objets, de la 5G et des nouveaux services par satellite, le Conseil recrute activement de nouveaux participants. L'adhésion au RABC offre la possibilité de contribuer à la gestion réaliste de la politique du spectre, y compris les normes techniques, les cadres d'octroi de licences et les questions opérationnelles. Si vous connaissez des organisations qui pourraient être intéressées à travailler avec les membres du RABC sur des questions d'intérêt commun ou qui souhaiteraient échanger des idées avec des experts de l'industrie et du gouvernement, merci de les faire parvenir au directeur général. De même, si vous souhaitez en savoir plus sur les initiatives de recrutement des membres du Conseil - ou pour participer - veuillez contacter le directeur général.

Pourquoi rejoindre le CCCR?

- Accédez à l'un des meilleurs bassins de connaissances d'experts en radiocommunications au Canada.
- Renforcez votre position sur les questions de gestion du spectre grâce à la collaboration avec d'autres parties prenantes afin de fournir au gouvernement d'éminents conseils de consensus d'experts par le biais d'une voix reconnue.
- Obtenez des indications en primeur sur les changements possibles aux normes, procédures et réglementations gouvernementales.
- Contribuer à la planification du spectre, aux normes pour les équipements radio, aux licences et à d'autres questions réglementaires.
- Travailler avec d'autres intervenants sur des initiatives de l'industrie pour favoriser le développement des radiocommunications au Canada.