

RABC NEWS

Issue 2023.1
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Clarity through collaboration: RABC is Canada's most trusted advisor on the use of radio spectrum.

March Quarterly Meeting

Members Gathered in Ottawa and Participated Remotely

Comprehensive updates were received during our recent Quarterly Meeting. The latest news on spectrum management, technical standards, key issues and RABC's own activities was shared. Awesome conversation and networking. Only members have access to the presentations.

RABC's collaborative model that includes stakeholders with opposing views and observer participation by the regulators, is extremely effective help. Strong working relationships between stakeholders, and between stakeholders and regulators, truly help all of us better understand the technical issues and enable us to resolve many issues collaboratively.



Coexistence Between 5G and Radio Altimeters

In 2021 the Board created the 5G Radio Altimeter Working Group (5GRAWG), to focus on the co-existence issue between 5G operation in the 3500/3800 MHz band and radio altimeters. While RABC's membership includes organizations with interests in aviation, Innovation, Science & Economic Development Canada requested RABC invite additional aviation stakeholders so as to have a balanced representation within the

working group to obtain technical input from all impacted industries. The work of the 5GRAWG has benefited from the participation of 15 guest stakeholders.

Leveraging the Board's Advanced Wireless Services subcommittee and the 5GRAWG, RABC recently submitted comments to a consultation on proposed changes to SRSP-520, Issue 3, *Technical Requirements for Fixed and/or Mobile Systems, Including Flexible Use Broadband Systems, in the Band 3450 - 3900 MHz*; and RSS-192, Issue 5, *Flexible Use Broadband Equipment Operating in the Band 3450-3900 MHz*. Ten meetings were convened to review the standards!

Prior to the publication of the consultation, the 5GRAWG advised Transport Canada and ISED regarding the Departments' 5G Radio Altimeter series of studies (including laboratory testing of several radio altimeter models, qualitative and quantitative over-the-air (OTA) testing with the use of various radio altimeters, and a computational analysis) performed to guide the update of Radio Altimeter protections. The AWS subcommittee is a long-standing working group of RABC members that reviews technical standards related to mobile and flexible use services. Participation at the AWS subcommittee includes RABC members from several sectors including mobile operators, telecom vendors, public safety and fixed satellite services.

Upcoming Consultations on Regulatory Standards

The Board expects to receive consultations on several key technical standards:

- Modernizing RF Exposure compliance requirements and measurement methods (RSS-102).
- Updates to the 2 GHz PCS standard to include the latest equipment requirements such as Active Antenna Systems (RSS-133).
- Updating measurement methods in the Wireless Power Transfer Standard (RSS-216).
- A new standard for technical requirements for license-exempt devices operating above 95 GHz (possibly numbered RSS-295)
- Updating the technical standard (RSS-252) for Intelligent Transportation Systems using Dedicated Short Range Communications to reflect the recent Technical and Policy Framework Decision ([SMS-012-22](#)).

In the dark on Radio Frequency Issues?

Becoming an RABC member is like flipping a light switch. Our industry-government collaboration illuminates issues and alerts you to potential roadblocks. When it comes to RF regulatory issues, RABC is your venue for knowledge and influence. If you are not in the room, you're in the dark.

RSS-247

The Fixed Wireless Communications Committee will be reviewing proposed changes to issue 3 of RSS-247, *Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN Devices)*.

Broadband Radio Service

The Mobile & Personal Communications Committee will be reviewing proposed changes to RSS-199 and SRSP-517, which will incorporate technical rules for active antenna systems (AAS).

CITEL PCC.II

Canada will be hosting the PCC.II meeting during the final week of August. RABC is working collaboratively with ISED to host a successful meeting. Thank you to our [sponsors!](#)



William Taylor Scholarship

Accepting Applications -
Deadline June 9, 2023.

The RABC William Taylor Scholarship will be granted to an engineering student who has completed at least their second year in an accredited Canadian University and plans on pursuing a career in telecommunications. The winner will demonstrate both academic excellence and a continuing contribution to their community at large.

Scholarship Value: \$ 3,500
Scholarships Available: 2

[Apply Here](#)

Your RABC membership gives you influence and insight on the future of Canada's radio frequency spectrum. We can help you in your submissions and a range of key business activities by giving you line-of-sight on any future regulatory developments, ensuring your compliance with and your understanding of spectrum allocation.

