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

Industry Achievement Award



RABC General Manager David Farnes, RABC President Elisabeth Neasmith and award recipient José Costa.

The RABC Industry Achievement Award is presented annually to an individual who has made a lasting contribution to telecommunications in Canada, either through their technical achievements or through their work in the development of policy that positions Canada as a world leader.

The laureates for this award are nominated by members of the RABC and selected, by the RABC Executive Committee.

The 2023 Laureate is José Costa. José Costa's career spans more than 45 years in the telecommunications industry. José has published over 30 technical papers in journals, conference proceedings and contributions in books, and he is a Senior Member of the IEEE.

A frequent contributor to RABC's own technical committees, an internationally recognized expert, José was Chairman of the ITU's Working Party 5A at the time of his retirement.

New Standing Committee Created

In June the Board created the Unmanned Aerial Vehicles Committee to provide advice on matters regarding current and future spectrum requirements of UAV's applications. The Board then sought volunteers to Chair the new committee. This month, Martin McCulloch (Waterloo Regional Police Service/Canadian Association of Chiefs of Police) was appointed Chair of the UAV Committee. Martin is a Transport Canada licenced (advanced) RPAS Pilot and Flight Reviewer for issuing licences.

A kick-off meeting is planned for next month. It is anticipated the committee will perform a comprehensive review of available technical and non-technical information pertaining to the Remotely Piloted Aircraft Systems (PAS) market, including radio frequencies used, spectrum management approaches, market size, use cases and regulatory issues. The information review could also be enhanced to include recommendations to ISED on ways to move forward in assisting to the development of spectrum and technical regulations for the use of UAVs in Canada. It is anticipated that ISED will issue a consultation regarding frequencies used by UAVs.

Upcoming Consultations on Regulatory Standards

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

- Radio Frequency Exposure – Site Compliance and Access Control (CPC-2-0-20). The new issue is expected to provide more detail than the current version regarding acceptable methods to ensure site compliance.
- SRSP-306.4 – *Technical Requirements for Fixed Line-of-Sight Radio Systems Operating in the Band 6425-6930 MHz*. Proposed updates may consider enabling the user of smaller antennas and larger channel bandwidths and align other parts of the standard with the 2014 Decision on Spectrum Utilization Policies and Technical Requirements Related to Backhaul.
- A new standard for technical requirements for license-exempt devices operating above 95 GHz (to be numbered RSS-295).

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-252 (ITS)

The Department recently published the second issue of *Intelligent Transportation Systems' (ITS) On-Board Units (OBUs) in the 5895-5925 MHz Band*. In the new issue of RSS-252, ISED adopted unwanted emissions limits based on older Dedicated short-range communications (DSRC) technology; consistent with the FCC's proposed rules from 2020.

The FCC has been petitioned to modify its rules and adopt the unwanted emissions limits consistent with Cellular vehicle-to-everything (C-V2X) 3GPP standard. If the FCC modifies its rules, what will be the implications for C-V2X on-board units in Canada under RSS-252?

Digital FM Radio

The Board recently submitted comments regarding proposed changes to BPR-3, *Application Procedures and Rules for FM Broadcasting Undertaking*. A key update to the standard is a new procedure for the adoption of In-Band On-Channel (IBOC) digital radio broadcasting. The RABC Radio Working Group, a subcommittee of the Broadcasting Committee, developed the Board's comments.

CITEL PCC-II Meeting

With RABC's assistance, Canada hosted a very successful CITEL PCC-II meeting in August. More than 300 delegates attended. Fourteen of Canada's nineteen contributions were adopted as Inter-American Proposals for the World Radio Conference. The meeting would not have been a success without the support of our [sponsors](#)!

William Taylor Scholarship

The 2023 winners of the William Taylor Scholarship in Radiocommunications are Harvinder Lethal and Zoe Devries.

Harvinder is a master's student at the University of Toronto. He is working on developing ways to analyze congestion control algorithms to be able to understand their interactions with other network protocols and distributed machine learning traffic.

Zoe has completed her 4th year in the engineering Department at the University of New Brunswick. She has been working in UNB's Radiating Systems Research Laboratory, where she has been involved in antenna studies, radio frequency exposure research and wireless power transfer system development.

Checkout our new video: [RABC - Clarity through Collaboration](#)