

CANWISPER

Canadian Association of Wireless Internet Service Providers  Association des fournisseurs de service internet sans fil (CANWISP)



2017 CONFERENCE & AGM Feb. 13-14-15

BE PART OF THE SOLUTION



2017 CONFERENCE AND AGM

BE HEARD

YOUR VOICE CAN MAKE A DIFFERENCE



WORD FROM THE CHAIR

Dan Barnes



It has been a busy year for Canwisp. A year of change and planning.

2017 will most certainly be a busy year for Canwisp and our members as we continue to raise awareness and advocate for WISPs across Canada.

It most certainly has been a busy year for Canwisp. A year of change and planning. Most certainly want to thank our CRTC team for the consultation earlier in the year. Our focus is now shifting to 3.5Ghz consultations, and it looks like many things are starting to appear out of the RABC. 2017 will most certainly be a busy year for Canwisp and our members as we continue to raise awareness and advocate for WISPs across Canada.

This year's AGM will direct our future in the industry. I certainly hope all our members can make the event. If you haven't already signed up, go to www.canwisp.ca and sign up for the 2017 conference/AGM event. It is a great networking and informational 2 days. Many thanks to our sponsors that make it all happen.



AGM UPDATE

Dan Barnes

Things are coming together quickly in the dash for the finish line. We expect this to be another fantastic event. If you haven't already signed up don't miss out. We expect to see the CCTS, CRTC, RABC and WISPA speakers to name a few. We also have a key note coming to speak about sales, lots of food and networking for all. All at a world class hotel and conference centre.

Sign up now. www.canwisp.ca A big thanks to all the committee members for the help! Meredith Simpson from KOS and Jonathan Black from Storm!



MEMBERSHIP

Andreas Wiatowski



2016 proved to be a very exciting year indeed!

Canwisp was represented during the lengthy CRTC hearing along with many other of our telecommunications brethren. What was the ultimate outcome? As you may know, the CRTC has declared broadband internet a basic telecommunications service. What came as more of a shock is that the CRTC has set new targets for internet service providers to offer customers in all parts of the country download speeds of at least 50 megabits per second (Mbps) and upload speeds of at least 10 Mbps. An unlimited data option was also determined to be a requirement.

The CRTC estimates two million Canadian households, or roughly 18 per cent, don't have access to those speeds or data. The ambitious CRTC goal is to reduce that to 10 per cent by 2021 and down to zero in the next 10 to 15 years.

You may ask, what does this mean for Canwisp members? Well it means that we may have the ability to access a fund to build next generation networks and facilities. The CRTC will require telecommunication carriers to pay into a fund that will grow to 750M over the next five years. The fund is like the funding mechanism that helped subsidize copper landlines over the years.

Telecommunication providers pay 0.53 per cent of their revenues, excluding broadband, into that fund. With the new ruling by the CRTC, Now they'll pay the same rate on all revenues, including broadband revenues.

Canwisp hopes to participate in the consultations surrounding the use of these funds and how they will be accessible by our membership. We also hope to raise the issue surrounding spectrum. With a lofty goal of 50Mbps to every household in Canada, the government needs to step up to the plate and determine a distinction between urban and rural geography. The Tiered licensing approach for spectrum does not work for efficient utilization of this scarce resource.



As we know, spectrum is purchased in large chunks of the country by the big carriers, but typically spectrum is only deployed in large urban centers whereas we could be leveraging the spectrum in rural regions.

Another big announcement was the Connect to Innovate program. It offers your company to submit applications for new backbone (Fibre, Microwave) to eligible communities. There is also funding for network resiliency and last mile. All the information about this 500M program is at:

<https://www.canada.ca/en/innovation-science-economic-development/programs/computer-internet-access/connect-to-innovate/funding-broadband-infrastructure.html>

We currently have 43 members which is a great increase over the previous year. Your membership is important as it funds our ability to influence change.

If you know about WISP's in your area that are not members please tell them about Canwisp or email us their information. We are happy to have a discussion as to what we want to do and what we hope to accomplish.

Let's make 2017 an amazing year!



TECH COMMITTEE

Jeff Pastuck



2016 was a busy year for ISED consultations regarding spectrum that is of interest to Canwisp members.

Beginning in April 2016, members of the CanWISP Tech Committee took part in the RABC working group regarding the 600MHz transition plan. Recommendations were submitted to ISED in early December 2016, with ISED just recently publishing a paper outlining the objectives and methodology to be used in regards to the 600 MHz transition.

The review of RSS-247 began in mid 2016 and is almost complete. This review dealt with license exempt local area network (LE-LAN) devices, which operate in bands 5150-5250 MHz, 5250-5350 MHz, 5470-5725 MHz and 5725-5850 MHz for use in vehicles. More details will be released on this once the review is complete.

In TV White Space news, ISED has officially received an application from a prospective White Space database administrator. Key Bridge Wireless will be conducting a trial and review of their system beginning Feb. 6th 2017. Anyone interested in the databases functionality can contact the company at <http://ca.keybridgewireless.com> or by email at tvws@keybridgewireless.com























The following consultations are on the horizon for 2017:

A review of 6 GHz and 11 GHz channel plans, bandwidths, and antenna characteristics.

SMSE-002-17 Consultation for RLAN Devices Operating in Band 5150-5250MHz. This consultation will review current RLAN rules with a view of possibly harmonizing with the US by allowing both the current indoor and a new outdoor use of higher power RLAN devices.

3500MHz Consultation – No timeframe or details are available at this point.

As you can see, 2017 is shaping up to be another busy year when it comes to spectrum.

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| MONDAY FEB 13 REGISTRATION OPENS AT 4:00PM | REGISTRATION OPENS | 7:00 | | |
| MONDAY FEB 13 WELCOME PARTY AT 5:30PM  Mozart Room | WELCOME | 8:30 | 7:15 Breakfast Sponsored by  |  |
|  | Break Sponsored by  | 9:45 | 8:45 Speed Dating |  |
|  Sales/Marketing Rob Campbell | Keynote Sponsored by  | 10:30 | 10:15 Huawei Quick Fire  | |
| mbsiwav QUICK FIRE  | 12:00 | 11:15 ISED Presentation Marc G. Girouard | 11:15 DELFOSSE BREAKOUT ROOM TELRAD | |
| KPI for your WISP | 1:00 | 12:15 Lunch Sponsored by  |  12:45 DELFOSSE BREAKOUT ROOM STAR SOLUTIONS | |
|  | Break Sponsored by  | 2:15 | 1:30 Fibre Presentation Outside Round Tables - GPON / Outside Plant / Legal Sponsored by  | 1:45 DELFOSSE BREAKOUT ROOM CAMBIUM |
| WISPA Update | 3:15 | 2:45 Membership Benefits | 2:45 DELFOSSE BREAKOUT ROOM HUAWEI | |
| Cocktail Hour Sponsored by  | 4:15 | 3:45 Tacit Law  | 3:45 DELFOSSE BREAKOUT ROOM COREO | |
|  Salon Royal Room | Dinner Sponsored by  | 7:00 | 9:00 Dinner Keynote Sponsored by  | |



AGENDA WEDNESDAY FEB.15



Breakfast 7:15

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8:30 Vendor Mixer

Nordicity 9:15

Stuart Jack Nordicity

9:45 Break

Sponsored by CROSSOVER



Cyber Security 10:15

Eugene Ng MNP LLP

11:00 RABC Update

CIRA Presentation 11:30



12:00 Lunch

Sponsored by Canwisp



CRTC Presentation 1:00

Peter Menzies

1:45 Close Of Ceremonies



Break 2:00

Sponsored by HUTTON
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2:30 Canwisp AGM

DELFOSSÉ
BREAKOUT ROOM



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BOARD NEWS & EVENTS

AGENDA SUBMISSIONS



Christopher Pape

The Board of Directors of CanWISP would like to invite members of CanWISP to submit AGM agenda items for consideration by the board for inclusion on the 2017 AGM agenda.

Under the CNFPCA, members may make proposals for inclusion on the agenda of annual meetings during the period that begins 150 days prior to the anniversary of the last AGM, and ends 90 days prior to the anniversary of the last AGM. That time has elapsed. However, the Board is prepared to receive such proposals provided they are received prior to February 10, 6pm, and on the understanding that the Board may in its discretion, include or not include any such proposal received.

Please submit any agenda items for consideration by the Board to the Vice Chairman, Christopher Pape at cpape@routcom.com and request an acknowledgement. If you do not receive an acknowledgement please call the Vice Chairman at 416-316-5590

RABC & SPECTRUM

Changing from Chairman to Past Chairman has freed up some time to work on different areas of CanWISP. After the AGM last year, I was approached by the RABC (Radio Advisory Board of Canada) to join their executive committee. While I spent most of 2016 learning more about the RABC, how it works, and their relationship with ISED, I also got to meet a lot of great people. Being able to chat quarterly with representatives from ISED, TELUS, Bell, Rogers, Satellite, Amateur Radio, First Responders, etc. has given a lot more insight into the radio world of Canada.

2017 and forward looks to be exciting for Canwisp to be involved with the RABC.

Current activities underway:

Microwave Backhaul around 6Ghz and 11Ghz bands, allowing larger channel sizes and possibly relaxing antenna requirements in low congestion areas.

SMSE-002-17, 5150Mhz to 5250Mhz. This is 100Mhz of prime spectrum for WISP's. ISED is currently holding consultations on this band.



Terry Duchcherer

Activities we are keeping a close eye on:

3500Mhz, ISED has been hinting that there would be a consultation for this band for the last couple of years. We know they are talking with current stakeholders now, there is a good chance we will see something soon.

License Fees: ISED has also hinted at overhauling license fees for some time, although when they do they will be looking at all licensing fees. CanWISP members are particularly interested in Microwave Backhaul Licensing which is based on DS0 telephone channels instead of spectrum used. This is very expensive and does not promote the efficient use of spectrum.

Canwisp does have a technical committee, and as with all areas of Canwisp we can use your participation. Terry Duchcherer
CanWISP Past Chairman
RABC Vice President, Executive Committee

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