



2000-10-31

Mr. Roger B. Marks
Chair
IEEE 802.16 WG on Broadband Wireless Access
National Institute of Standards and Technology
Boulder, Colorado
USA

Subject: Review of IEEE 802.16 Broadband Wireless Access Documents

Dear Mr. Marks,

Thank you for your e-mail message dated October 13, 2000 requesting comment on 2 IEEE 802.16 documents, namely:

- 802.16.1 Air Interface for Fixed Broadband Wireless Access Systems (10-66 GHz)
- 802.16.2 Recommended Practice on Coexistence of Broadband Wireless Access Systems.

On behalf of the Fixed Wireless Communications Committee of the RABC, I would like to take this opportunity to commend your working group and the IEEE for the significant strides made in preparing these documents. As growth continues within telecommunications networks we view wireless technologies as playing an even greater role in the evolution of access portions of these networks. It is essential that, for economies of scale and scope, the fixed wireless industry tackle the difficult subject of air interface and coexistence with a view towards eventual standardization.

In this regard, the Radio Advisory Board of Canada has been studying the topic of Broadband Wireless Access (BWA) system coexistence. The FWCC has developed an interference model and coordination procedure to be employed as guidance by operators. This information is also reflected in official Standard Radio System Plans issued by Industry Canada for several bands in the 20-40 GHz range. We are pleased that the IEEE has considered the RABC work in the development of its coexistence document (802.16.2).

In addition, we have passed editorial comments on the 802.16.2 document to the Task Group 2 chairman and to the IEEE 802.16 reflector. We believe that our comments have been satisfactorily resolved in the recent TG2 interim meeting.

We have also reviewed the air interface document (802.16.1) but do not have any specific comments at this time. We are pleased however, that TG1 has found consensus on many of the very important interface parameters.

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We realize that there is already valuable indirect coupling of our committees due to the attendance of some RABC members (and Industry Canada personnel) at your meetings and we believe that this will continue to our mutual benefit.

We appreciate the opportunity to exchange our views with your committee on areas of common interest. We hope that future documents will also be available for comment. The FWCC interests concern fixed and fixed-satellite applications both below and above 10 GHz.

I invite IEEE members to access the RABC web site. For more detail on the role and mandate of the Board, members may also contact our General Manager, Mr. E.W. (Ted) Campbell, at the address shown in the footer to this letter. Alternatively, please feel free to contact myself regarding the business of the FWCC. I can be reached at the coordinates shown below.

Yours truly,

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