```
       To:  r.green@cablelabs.com
     From:  "Roger B. Marks" <marks@boulder.nist.gov>
  Subject:  IEEE 802.16 and ITU-T SG9
       Cc:  wery@sympatico.ca, Paolo.Rosa@itu.int, houlin.zhao@itu.int,
            reinhard.scholl@itu.int, simao.campos@itu.int, Fabio.Leite@itu.int,
            costa@nortelnetworks.com
      Bcc:
X-Attachments:
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To: Richard R. Green, Chairman, ITU-T Study Group 9 (SG9)

Dear Dr. Green,

It was a pleasure to meet with you today. Thank you for inviting me.

I am writing in my capacity as Chair of the IEEE 802.16 Working Group on Broadband Wireless Access (though I am not speaking formally for the Group). As you know, the IEEE 802.16 Working Group has developed IEEE Standard 802.16-2001 ("Air Interface for Fixed Broadband Wireless Access Systems") and several amendments and related standards. The standard describes a broadband access system for carrier-class last-mile access to public networks, both ATM and IP, with full QoS support. Significant aspects of the standard are similar to some ITU-T J-series recommendations. The Working Group is actively continuing to refine, expand, and enhance the standards. Commercial implementations are being developed and announced.

I am intrigued that SG9 might be interested in the possible relationship of IEEE Standard 802.16 to IPCableCom technology. Since my visit to Geneva in October, and with the encouragement of ITU TSB Director Houlin Zhao, a number of interactions have gotten underway between the IEEE 802.16 Working Group and the ITU-T and ITU-R Sectors. These are well documented in the following reports and liaison letters:

Chair's Letter to ITU-T Study Group 15 Chair (2003/11/04)
        http://ieee802.org/16/liaison/docs/L80216-03_10.pdf
IEEE 802.16/ITU Conference Call of 28 October 2003 (2003/11/04)
        http://ieee802.org/16/liaison/docs/L80216-03_11.pdf
Liaison Statement to IEEE 802.16 on Cooperation (ITU-T SG 15, 2003/11/05)
        http://ieee802.org/16/liaison/docs/L80216-03_12.pdf
Liaison Statement to IEEE 802.16 on ANT Standard and Work Plan (ITU-T SG 15, 2003/11/05)
        http://ieee802.org/16/liaison/docs/L80216-03_13.pdf
IEEE 802.16 Response to Liaison Statement from ITU-T SG 15 (2003/11/13)
        http://ieee802.org/16/liaison/docs/L80216-03_15.pdf
Letter to ITU-R from IEEE 802.16 (2003/11/13)
        http://ieee802.org/16/liaison/docs/L80216-03_16.pdf
Collaboration ITU-R /IEEE 802.16 on broadband wireless access (2003/11/28)
        http://ieee802.org/16/liaison/docs/L80216-03_20.pdf

Should SG9 be interested in IEEE 802.16's work, I would encourage the Working Group to consider discussions, a formal liaison, and cooperative activity, if appropriate and dependent on SG9's interest. At this point, I do not see any indication that 802.16-related activity in SG9 would conflict with the progress currently underway in other ITU groups. Certainly, coordination would be in order.

Please note that IEEE is included among ITU-T's "Organizations Qualified for Including References in ITU-T Recommendations under Rec. A.5 Procedures" and "National and Regional Standards Development Organizations Under Evaluation and/or approved for Cooperation and Exchange of Information under Rec. A.6." IEEE is also a Sector Member of ITU-R as an international organization.

The IEEE 802.16 Working Group meets the week of 12-15 January 2004, just before the next SG9 meeting. Documentation regarding our activities is available at our web site <http://ieee802.org/16>; you will also find our standards available for download.

Please let me know if I can provide additional information.

Best regards,

Roger

Dr. Roger B. Marks   <mailto:marks@nist.gov>
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