

## IEEE 802.16 Working Group on Broadband Wireless Access

<http://WirelessMAN.org>



Dr. Roger B Marks  
NIST  
325 Broadway, MC 813.00  
Boulder, CO 80303 USA  
Tel: +1 303 497 3037  
Fax: +1 303 497 7828  
<mailto:marks@nist.gov>  
16 November 2001

Dr.-Ing.Jamshid Khun-Jush  
Chair, ETSI BRAN  
<mailto:Jamshid.Khun-Jush@eed.ericsson.se>

Dear Jamshid:

On behalf of IEEE 802.16, I want to express my appreciation for your letter (BRAN25d129 or [IEEE 802.161-01/20](#)) that I received on 7 November. We are pleased to hear that, following a technical evaluation, the ETSI BRAN HIPERMAN group has accepted work of IEEE 802.16 as a baseline. We are also happy to hear that your group, like IEEE 802.16, is endorsing the concept of worldwide interoperability for broadband wireless access in the 2-11 GHz licensed bands.

We would like to propose a specific plan to address possible organizational concerns and put us on the track toward a common result:

- We accept your appointment of Marianna Goldhammer as BRAN-HIPERMAN Liaison Officer to IEEE 802.16, noting that she already serves in a reciprocal capacity.
- While HIPERMAN's baseline decisions were based on our then-current working document, that document has undergone major improvement at our Session #16 this week. We would like to offer your HIPERMAN participants the opportunity to study the resulting draft and hope that they would find it an even better choice. We have requested that the Manager of Standards Licensing and Contracts of the IEEE Standards Activities Department grant us permission to forward this document (and all successor revisions) to HIPERMAN for consideration. We hope for a positive response before the draft is complete (in about one week).
- IEEE 802.16 will launch a Working Group Letter Ballot as soon as this draft is available. We invite individual ETSI BRAN participants to comment on this draft. Ms. Goldhammer will provide you with the draft and with commenting instructions. In addition to individual comments, formal comments from ETSI BRAN are also welcome.
- We propose an editing process based on the maintenance of a single draft that formally represents the position of both bodies. We believe that this will maximize the likelihood that both groups come to a common conclusion, while giving each the option to differ. We are also motivated to ease the burden on individuals who are submitting comments to both bodies. Our specific proposal is:
  - In the case that BRAN's formal comments are not accepted, we will, to the extent it is practical, edit them into our draft, suitably marked (by color-coding and other means) as BRAN-approved material that is not approved by 802.16. We will circulate this material in our Working Group Letter Ballots.
  - Along with each draft revision, we will provide BRAN with a database of changes newly introduced, asking for BRAN response to these comments. In case that BRAN informs us that it does not accept some on these changes, we will suitably mark those changes as 802.16-approved material that is not approved by BRAN.

2001-11-16

IEEE 802.16l-01/22r1

- Please take note of our ballot schedule ([IEEE 802.16ab-01/10](#)) which, as you will see, has been constructed with the BRAN meeting schedule in mind. We expect to complete our Working Group Letter Ballot in April and to finalize the work in August. We understand that this schedule is ahead of ETSI's schedule for the HIPERMAN work. Therefore, our proposal is that, during the development of the common draft as mentioned above, BRAN refrain from developing an independent draft. Once the P802.16a draft is complete or near complete, then we would encourage BRAN to take it over and refine it to meet your needs.
- When the HIPERMAN project is complete, we are open to developing an 802.16a amendment project to bring 802.16a into line with HIPERMAN's technical changes that improve the standard.
- We have inquired with IEEE concerning their grant, to ETSI, of permission to incorporate IEEE copyrighted material on this topic into ETSI drafts and standards. We have received encouraging signs that such permission will be offered. We will follow up with the goal of soon delivering a letter in a format acceptable to ETSI. Please let me know of any particular ETSI requirements in this regard. Note that this discussion refers to the 802.16a amendment to the IEEE 802.16 base standard (for which we expect final approval on 6 December). It is our proposal that IEEE Standard 802.16 be incorporated into ETSI BRAN standards by reference only.
- IEEE 802.16 would like to invite an ETSI BRAN delegation to meet with us at our Session #17 (Levi, Finland on 21-25 January 2002). At the meeting, we will conduct comment resolution following our Working Group Letter Ballot, and we welcome the participation of your members in the discussion. This would also provide a good opportunity to agree upon a process to reach a unified outcome and perhaps to agree on terms of an addition to Annex 1 to the ETSI/IEEE-SA agreement to cover IEEE 802.16/BRAN cooperation.

Please see our [Session #16 Report](#) for highlights of our actions this week. In light of your recent decision (in response to our earlier Liaison Letter), to open the new work item "Licence-exempt HIPERMAN on Band C (5.725-5.875GHz), feasibility and sharing study," you might be particularly interested in our decision to unify our licensed and unlicensed projects operating in bands between 2 to 11 GHz.

Best regards,



Dr. Roger B. Marks

Chair, IEEE 802.16 Working Group on Broadband Wireless Access

cc: Paul Nikolich, Chair, IEEE 802 LAN/MAN Standards Committee  
Jay Klein, IEEE 802.16 Liaison to ETSI BRAN  
Marianna Goldhammer, IEEE 802.16 Liaison to ETSI HIPERMAN  
Sue Vogel, Manager, Technical Committee Programs, IEEE Standards Activities