



BRAN26d086

Chairman of ETSI Project Broadband Radio Access Networks
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To: Dr. Roger B. Marks
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Dear Roger,

The BRAN HIPERMAN group has highly appreciated your generous co-operation offer, contained in your letter from 01.11.2001.

In the BRAN26 (4-7Dec.2001) meeting, the HIPERMAN group has made the following decisions:

- The HIPERMAN group has decided, after the presentation of the new P80216a/D1 document, to up-date the base-line for both PHY and DLC drafts to the relevant parts of this document;
 - The final ETSI HIPERMAN DLC standard will be an amendment to the IEEE 80216 standard; it is intended to be developed using the P80216a/D1 text as base-line.
 - The final ETSI HIPERMAN PHY standard is intended to be developed using the P80216a/D1 text as base-line.
- We have considered the following drafting process, based on your proposal:
 - The HIPERMAN editing process will be common, as long as possible, with the IEEE 802.16a editing process; we agree to adopt the proposed colour coding; we would like to suggest a colour coding scheme with dedicated colours for non-considered changes of the other body and for non-accepted changes of the other body; HIPERMAN officers will be attending the next IEEE 802.16 meeting to work out the further details of this arrangement.
 - HIPERMAN however kindly requests you to make available for us the P80216a/D1 sources as it feels this is necessary for effective internal drafting purposes.
 - In addition, HIPERMAN requests the IEEE-SA copyright permission for using those sources and their future revisions in the HIPERMAN

published standards. Until the copyright permission is received, HIPERMAN would:

- Limit the common 802.16a-HIPERMAN document distribution to HIPERMAN attendants;
- Have a separate document, available to ETSI members, listing only the HIPERMAN drafted changes.
- We will request the companies listed as having declared IPR in 802.16 to submit IPR declarations to ETSI as well, as this will be required in order to publish copied parts of the 802.16a draft.
- We decided to make the following modifications to the base-line:
 - We upgrade to a decision the working assumption (The 802.16a OFDM PHY section (licensed band) was selected as baseline PHY specification , including OFDMA as specified in 802.16a), with the understanding that this does not preclude new contributions targeted at enhancing the baseline.)
 - The 802.16a optional OFDM 512FFT and OFDMA 4k modes will not be included in the HIPERMAN PHY;
 - Adopted the P802.16a/D1 license-exempt mesh topology.
- As we still have concerns over the lack of interoperability after the above reductions, we have initiated:
 - An analysis of the possibility of implementing a basic PHY mode and a capability exchange process in order to permit supplementary modes.
 - The definition of a set of PHY performance evaluation parameters for the European market and its regulatory environment.
 - Comparative Analysis of capacity and peak-rate performance of the baseline PHY modes and of modified modes to achieve higher capacity performance.
- We initiated a working document for the evaluation of FWA systems in license-exempt bands (5.725-5.875MHz).

In keeping with the proposed mode of co-operation, we suggest IEEE 802.16 to consider aligning of its draft according to our decisions.

We give the permission to Marianna Goldhammer, our Liaison Officer to IEEE 802.16, to provide and present to you HIPERMAN documents that might be relevant for your work; we kindly ask you to keep them in your ETSI, password protected, server area.

We intend to have the BRAN Terms of Reference updated and approved before the next IEEE 802.16 meeting.

With best regards,

Jamshid Khun-Jush