



BRAN30d141

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

Thank you for your Liaison Letter dated 12 July 2002. We would like to congratulate you on successfully closing all your ballots during your last meeting.

We would like to inform you that HIPERMAN has made substantial progress in improving its PHY (BRAN30d23r2 and BRAN30d68r2) and DLC (BRAN30d013r2) drafts and that we have carefully considered all harmonization issues between your draft and ours.

We decided to replace the optional BTC with optional CTC, since we are of the opinion that one optional coding scheme is sufficient, given that the difference in performance between the two is insubstantial.

For sake of harmonization with IEEE 802.16, we reversed our decision to delete the Allocation_Start_Time from the OFDM PHY.

We discussed the supplementary 2k FFT OFDMA permutation mode per your request. We consider that the mandatory OFDMA mode adequately enables AAS, and that therefore no additional optional permutation is required. In addition, we would like to note, that a BS using the optional permutation does not seem capable of supporting AAS Ss employing only the mandatory permutation per the current specification, which creates in our view an interoperability concern.

Regarding your decisions mentioned in the attachment pct. 2,4,5, we are curious to know the technical rationale behind these decisions. We would urge 802.16 to reconsider these points. We especially would like to stress the "zero tail" trellis termination issue, as a difference in termination between our two standards will completely prohibit our standards to be

interoperable. We are of the opinion that the change to zero tail is warranted, as it reduces the processing speed requirement substantially (25 to 50%), whereas the single byte in overhead per allocation is essentially negligible.

We give 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.

With best regards,

Jamshid Khun-Jush