



Chairman of ETSI Project Broadband Radio Access Networks
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To: Dr. Roger Marks, Chairman IEEE 802.16

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No: BRAN19d112

References: none

Dear members of IEEE 802.16,

The purpose of this liaison letter is to give an update of the progress of HIPERACCESS at the BRAN#19 meeting, which was held in Sophia Antipolis from June 27 to June 30.

The DLC (MAC) group discussed the proposals for the basic frame structure, especially whether the DLC layer shall be slot based or frame based and whether the downlink shall be TDM or TDMA (The uplink is of course TDMA). The group decided that:

- ◆ The DLC layer shall be frame based (The frame length is in the order of 1-2 ms).
- ◆ The downlink is based on TDMA.

The PHY group discussed coding, equalisation, scrambling and modulation parameters. The following decisions were taken regarding coding schemes:

- ◆ HIPERACCESS shall use a concatenated code (Reed Solomon) for both downlink and uplink.
- ◆ At the next meeting, a decision will be made whether the inner code shall be a convolutional one or a block code.

Working assumptions (preliminary decisions) were made on equaliser performance and scrambling. In addition to this, the group agreed on a power amplifier model.

BRAN appointed a new liaison person for the co-operation with IEEE 802.16. The new liaison person is Dave Williams from Advanced Hardware Architectures.

On advice from the legal officers of ETSI, a modification of the IEEE802.16/HIPERACCESS annex of the IEEE-SA/ETSI agreement is proposed. The details are presented in a separate letter from the BRAN chairman.

Sincerely,
Jamshid Khun-Jush