



Vice chairman and HIPERACCESS co-ordinator of ETSI Project Broadband Radio Access Networks
Per Emanuelsson
Telia Research
Box 85
201 20 Malmo, Sweden
Tel: +46 40 105 146
Email: per.j.emmanuelsson@telia.se

To: Dr. Roger Marks, Chairman IEEE 802.16
Date: September 7, 2000
Subject: Liaison letter from ETSI BRAN regarding the progress of HIPERACCESS
Reference:

The purpose of this liaison letter is to give an update of the progress of HIPERACCESS at the interim meeting held in Helsinki from August 22 to August 24.

The DLC (MAC) group discussed mainly if and how also TDM shall be supported in the downlink (in addition to TDMA), PDU length, minimum radio time slot and frame length. The group decided that:

- ◆ The PDU shall be of a fixed length.
- Working assumptions (preliminary decisions):
- ◆ Both TDM and TDMA shall be supported in the downlink.
 - ◆ The PDU length shall be 48 bytes plus convergence layer header.
 - ◆ The frame length shall be 1 ms.

The PHY group discussed coding schemes, PHY modes (adaptive coding and modulation) equalisation, scrambling and modulation parameters. The following decisions were taken:

- ◆ The HIPERACCESS coding scheme shall be Reed Solomon plus a convolutional code.
- ◆ The roll off shall be fixed.
- ◆ An amplifier model was agreed.

Working assumptions (preliminary decisions) were made on number of PHY modes, baud rate and roll off factor (30%).

Sincerely,

Per Emanuelsson
Vice Chairman ETSI Project BRAN