

ETSI BRAN Up-date

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Venue:

Meeting 36, 14-17March, 2005

Base Document:

Purpose:

BRAN, HiperMAN Update

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Alvarion

HiperMAN New Work Items

- PHY and DLC
- PHY Scope:
 - Harmonisation of PHY with corrigendum to IEEE 802.16-2004, addition of OFDMA mode from IEEE 802.16e and 802.16-2004 to improve nomadic capabilities of HiperMAN
- DLC Scope:
 - Harmonisation of DLC with corrigendum to IEEE 802.16-2004, and introduction of features from IEEE 802.16e to improve nomadic capabilities of HiperMAN
- Target approval dates:
 - HiperMAN: end September 2005
 - BRAN: mid. December 2005

DLC and PHY modifications

- PHY base-line
 - BRAN40d049
 - Harmonization of OFDM mode
 - Addition of OFDMA mode to be used in fixed, nomadic and converged fixed-nomadic applications (by reference)
- DLC base-line
 - BRAN40d028
 - References to 802.16e: clauses 6.3, (common MAC), clause 7 (Privacy/Security) and clause 8.4 (OFDMA PHY)
- Liaison to IEEE 802.16 requesting for copyright on 10%
 - IEEE L802.16-05/016

MIB standard

- Published as ETSI TS 102 389
- High similarity with IEEE 802.16f/D1
 - Same basic submissions from WiMAX members

Testing: New Work Items for Harmonization with WiMAX Testing Documents

- ETSI – WiMAX collaboration
 - STF-252 Project Leader: Milan Zoric, ETSI
- 3 ToRs for STF-252 (BRAN40d043r1, BRAN40d044r1, BRAN40d045r1) were approved
- 6 NWIs (doc BRAN40d055) were created, to approve up-dated test documents in June and Dec.
- WiMAX CWG and TWC leaders conducted meetings with STF-252 Project Leader

Converged Fixed-Nomadic System Reference Document

- Contributions on antenna characteristics for indoor and Laptops
- Liaison to ECC SE19, containing parameters of broadband fixed / nomadic access systems, including indoor, for sharing studies
 - First step for allowing Nomadic in Fixed bands
 - Document BRAN40d047r2

Liaison to ITU-R WG9B

- Up-date on publication of revised HiperMAN standards
- Info on relevant European type approval standards for FWA
- Parameters of fixed / nomadic access systems, to be used for responding to ITU-R 8F Liaison
 - Difference from IEEE 802.16 parameters sent to 6-8-9:
 - Include antenna parameters
 - Much lower typical max. powers: 35dBm instead of 63dBm for BS