

ETSI BRAN Liaison Report – January 2006

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Purpose:

BRAN Update

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HiperMAN PHY-DLC

- Approval of HiperMAN revision 1.3.1 standards:
 - HiperMAN PHY – TS 102 177 v1.3.1 – BRAN43d044r1 and of
 - HiperMAN DLC – TS 102 178 v1.3.1 - BRAN43d045r1
- Finalization according to planned dates

HiperMAN 1.3.1

- Can be used to provide:
 - Fixed applications, in frequencies below 11 GHz
 - Nomadic and converged Fixed-Nomadic applications, in frequencies below 6 GHz
- Harmonized with IEEE 802.16e – D12 and IEEE 802.16-2004 Corrigenda – D5
- PHY modes: OFDM and OFDMA
- DLC: includes hand-off
 - For load balancing and best $C/(I+N)$
- OFDMA PHY and most of the 802.16 MAC are included by reference

HiperMAN Testing

- Approval of the STF-252 work (BRAN43d047)
 - There are already 400 test-cases, 100 tests to be validated this year, due to the re-scheduling of the WiMAX waves
 - Joint work HiperMAN-WiMAX is progressing according to the plan

Fixed-Nomadic BWA SRDoc

- Draft ETSI TR 102 453-1 (BRAN43d041r1)
 - Approved by ETSI BRAN
 - Approval by ETSI ERM: scheduled this week
 - Main requests:
 - Amount of spectrum

	xDSL-like services	Triple play
Basic spectrum	56MHz	120 MHz
Spectrum including in-band feeding for Relays	80MHz	140MHz

Fixed-Nomadic BWA SRDoc – Main Requests

- Identify how much new spectrum could be licensed immediately to operators in the frequency range 3.4-3.8GHz
 - In case that the amount of spectrum does not allow two operators to provide WDSL and wireless Triple Play services in fully licensed bands
 - Investigate the designation of more licensed spectrum to BWA in 3.8-4.2GHz
- ECC SE to extend the scope of the compatibility studies, in order to cover also the spectrum sharing in 3.8-4.2GHz

5.8GHz HEN

- Sent in Public enquiry
 - BRAN41d059
- Received comments to be resolved in the BRAN February – 2006 meeting

New Work Item – Personal Broadband data in 2.5-2.69GHz

- Doc. BRAN43d034r4
- Title:
 - BRAN;Personal Broadband data transmission systems in 2500 – 2690 MHz, Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive 1999/5/EC
- Scope:
 - To prepare a Harmonised EN covering the essential requirements for Broadband Data Transmitting System equipment operating in the frequency range 2 500-2 690 MHz.
 - This work will consider the channel arrangements and the requirements as defined in ECC/Dec(05)05.

ETSI – IEEE Legal Issues

- Copyright for PHY/DLC – BRAN43d046r1
 - HiperMAN thanks for the copyright allowance for PHY
 - IEEE L802.16-05/054
 - to excerpt up to and including ten percent (10%) of the entirety of IEEE Std. 802.16™-2004 and its corrigendum and IEEE 802.16e amendment, for inclusion in the revision of the ETSI BRAN HiperMAN PHY standard
 - HiperMAN is composed of three documents:
 - PHY, DLC and Profiles
 - ask for clarification that this permission extends to the full HiperMAN standard, across the different specification documents.