

Cover Sheet for Presentation to IEEE 802.16 Broadband Wireless Access Working Group (Rev. 0)

Document Number:

802.16lb-99/04

Title:

Liaison and co-operation with other bodies addressing BWA.

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Source:

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Venue:

Meeting #4, Hawaii

Base Document:

IEEE 802.16lb-99/04 (<http://grouper.ieee.org/groups/802/16/...>).

Purpose:

Note the contents which offers some visibility of activities in Europe relating to BWA. These activities are very similar to those within 802.16 albeit focussing initially on different frequency bands. Further co-operation between the parties involved may be usefully encouraged considering the global view being taken.

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Doc 802.161b-99/04

- Introduces MWS concept.
- Provides info on relevant ETSI TM4 work.
 - Scope of TM4 MWS Work Item.
- Provides info on relevant CEPT SE19 work
 - FWA guidelines report.

CEPT WG-FM Project Team 29

- Developing MWS concept as a BWA system.
 - Systems with origins in both telecommunications and broadcasting.
- Examining potential frequency bands for MWS.
 - 40GHz band currently identified.
- Examining convergence (FS/BS) issues.

ETSI Work and MWS

- ETSI BRAN Project
 - Interoperability standard for HIPERACCESS.
- ETSI TM4
 - Deals generally with FS Co-existence stds.
 - Work Item for MWS in 40GHz band.
 - (Attachment 2)**
 - WI expected to support BRAN with co-existence parameters for HIPERACCESS amongst others.

CEPT WG-SE Project Team 19

- Deals with FS spectrum engineering issues
- Therefore tackling MWS issues
 - 40GHz frequency plans
 - Multi-operator co-ordination
 - Multi-technology co-existence
- More general FWA issues
 - Developed FWA guidelines (**Attachment 1**)

FWA Guidelines Report

- Includes BWA and MWS
- Qualitative at present.
- Work continuing on Quantitative material
- Target audience:
 - Administrations
 - Operators
 - Manufacturers
 - Standards Bodies

FWA Guidelines Report

- Main Topics:
 - Assignment Guidance
 - Frequency Plans
 - Deployment
 - Equipment design

ETSI BRAN-HIPERACCESS

- Recent Working Assumptions:
 - BRAN 14 (July 1999):
 - P-MP Architecture.
 - FDD based PHY layer (half and full duplex).
 - TDD option based on FDD decisions.
 - BRAN 15 (October 1999)
 - Focus on application in the 40.5 - 43.5GHz band.

Proposals

- Encourage exchange of ideas
 - Particularly wrt TM4 work at 40GHz.
 - Request going to both BRAN and TM4 plenary to appoint formal liaison official.
- Appoint formal contact in 802.16 to assist continued liaison.