

European Telecommunications Standards Institute  
ETSI  
ETSI STC TM4 WP 2 Meeting

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Sophia Antipolis (France), 18-22 June 2001

From: Chairman ETSI TM-04, Roberto Macchi  
To: Chairman IEEE 802.16, Roger Marks  
Subject: Liaison Statement from ETSI TM4

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Dear Roger

During our meeting #25 at Sophia Antipolis, Barry Lewis has indicated that due to a change of emphasis in the work of 802.16, it may be more difficult than previously for him to regularly attend IEEE 802.16 meetings. In order to maintain effectiveness it has been decided by TM4 that Phil Whitehead (Radiant Networks) should be appointed to take over the liaison activities from TM4 to IEEE. We are grateful to Barry for his work, which I believe has been most useful in furthering the aims of both TM4 and IEEE 802.16 and look forward to a continuing mutually beneficial relationship between our organisations.

TM4 appreciates the detailed 802.16 liaison presentation made during our meeting.

On this occasion, we have discussed a wide range of topics. I would like to draw your attention to the following items, which I believe are particularly relevant to your work in IEEE.

- (a) The 40 GHz MWS standard (DEN/TM04097) is now in final approval and is expected to be completed shortly. This standard details equipment parameters for multimedia wireless systems operating in the frequency range 40.5 GHz to 43.5 GHz, with system architectures that may be point to multipoint or multipoint to multipoint. The associated CEPT draft recommendation 01-04 covering issues including block edge mask and recommended eirp limits is also highly relevant to coexistence issues.
- (b) Technical Report DTR/TM04120 on deployment of multipoint to multipoint systems, including coexistence between MP-MP and P-MP systems has been completed.
- (c) Significant progress has been made on a new standard for P-MP and MP-MP systems in the 32 GHz band and a new draft is available.
- (d) Progress on a standard for antennas covering the 30 to 40.5 GHz frequency range has been made. These antennas are intended to be used in P-MP and MP-MP systems
- (e) Part 1 of a technical report on AFA (autonomous frequency assignment) has been completed. TM4, in conjunction with CEPT SE19, continues to study the potential for AFA to improve coexistence between TDD and FDD point to multipoint systems. ETSI TM4 is now considering whether any aspects of this technique could be included in standards.
- (f) The use of emission masks in systems that use mixed/ adaptive modulation modes has been addressed in a draft technical report.
- (g) TM4 has a continuing dialogue with ETSI BRAN in relation to coexistence issues for the HIPERACCESS standard. The completion of the 40 GHz MWS standard has been communicated to the HIPERACCESS group.

TM4 also discusses point to point systems. On this occasion, the chair of the point to point system working party has indicated that there are no significant issues relating to IEEE 802.16. Nevertheless, it is our intention to keep you informed of any developments in this field that may be of importance to your committee.

With kind regards

Roberto