

**IEEE 802.16 Working Group on Broadband Wireless Access**<http://WirelessMAN.org>

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Dear Roberto:

On behalf of IEEE 802.16, thank you for the valuable information transmitted in your letter of 4 July (our document [IEEE 802.16l-01/16](#)).

We are sorry to hear that Barry Lewis will not be continuing as ETSI TM4 Liaison to IEEE 802.16. He has been very effective in developing the good relationship between our groups and in bringing your work to our attention, and we thank him for his constructive efforts. We are delighted to welcome Phil Whitehead as Barry's successor and anticipate that the valuable cooperation between our organizations will continue. We, of course, know Phil quite well, as he leads our coexistence activities.

Following 802.16's Session #14 last week (the results of which are summarized in the Session #14 Report at <http://ieee802.org/16/meetings/mtg14/report.html>), I would like to update you on two major items of interest:

(1) The IEEE-SA Standards Board approved, on 6 July, IEEE Recommended Practice 802.16.2. We appreciate TM4's contribution to that document. ETSI will be acknowledged in a copyright permission statement on the document when it is published in the next month or so. We have filed the permission letter from ETSI, dated 21 June, as [IEEE 802.16ic-01/01r1](#).

(2) The IEEE 802 Sponsor Executive Committee approved, on 13 July, Project Authorization Request P802.16.2a (document [IEEE 802.16-01/27r1](#)) to initiate the enhancement of Recommended Practice 802.16.2 by including licensed bands from 2-11 GHz and expanding the recommendations for coexistence of point-to-multipoint with point-to-point communications at millimeter-wave bands. The request has been forwarded to the IEEE Standards Board for final approval, which is expected on August 16.

For benefit of our ongoing work, we are interested in receiving, through your Liaison, information regarding the TM4 WP2 and WP4 activity in the 1-11 GHz bands, as these are highly relevant to our development of an interoperability standard and a recommended practice on coexistence in these bands.

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IEEE 802.161-01/17r1

During our Session #14, we reviewed the topics highlighted in your recent letter. We found that the following are of significant interest:

#### 1-11 GHz bands

The new TM4 WIs are of high interest for our IEEE P802.16a project, which is developing an interoperability standard for use from 2-11 GHz. We design our interfaces for international applicability, and we expect to take into account the access methods, masks, channelization, and other performance objectives mentioned in the ETSI TM4 standards.

We would like to understand if the scope of the new Work Item EN/TM 4130 ("Revision of all 1-3 GHz and 3-11 GHz standards") includes the definitions of new access methods and equipment types related to new technologies, such as OFDMA.

We welcome information on new ETSI work items for fixed multi-beam antennae and steerable antennae that may be relevant to our new P802.16.2a project.

The last revision of EN 301 021 is also of interest for our members.

#### Above 11 GHz

The following were identified as of significant interest to our P802.16.2a work above 11 GHz:

- (a) The 40 GHz MWS standard (DEN/TM04097)
- (b) Standard for antennas covering the 30 to 40.5 GHz frequency range.
- (c) The technical report on AFA (autonomous frequency assignment).
- (d) The draft report on use of emission masks in systems that use mixed/ adaptive modulation modes.

We would like to obtain more details of these documents. We would be appreciative if you could arrange for the latest drafts to be made available for our password-protected web server. If this is possible, please let me and our Liaison, Marianna Goldhammer, know which documents may be transferred in this way.

I look forward to continuing the positive cooperation between our organizations.

Sincerely,



Dr. Roger B. Marks  
Chair, IEEE 802.16 Working Group on Broadband Wireless Access

cc: Jim Carlo, Chair, IEEE 802 LAN/MAN Standards Committee  
Phil Whitehead, ETSI WG-TM4 Liaison to IEEE 802.16  
Marianna Goldhammer, IEEE 802.16 Liaison to ETSI WG-TM4