

# IEEE 802.16 Working Group on Broadband Wireless Access

<http://WirelessMAN.org>



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Asok Chatterjee  
Chairman, T1P1  
<mailto:asok.chatterjee@ericsson.com>

Dear Asok,

I am writing, on behalf of the IEEE 802.16 Working Group, to follow up on my personal note ([IEEE L802.16-02/19](#)) of 31 July 2002.

The Working Group appreciates the cooperative relationship that has been developing between our groups, including the positive visit of the Chair to the T1P1 meeting of 24 July, as documented in the informal minutes attached to the 31 July letter. The Working Group encourages the directions indicated in that letter. To reiterate:

- (1) One important application of systems based on the 802.16 **WirelessMAN™** standard is to provide wireless backhaul to other wireless networks. This includes 802.11 Wireless LANs and cellular base stations. We ought to encourage a joint understanding of the interface of cellular base stations to the backhaul network to ensure that 802.16 systems can readily provide the needed services.
- (2) In your letter of 3 May 2002 ([IEEE L802.16-02/11](#)), you noted T1P1's partnership with the Third Generation Partnership Project (3GPP) and that "3GPP has always pursued higher data rate capabilities to satisfy applications in a mobile environment and, in fact, has started work on the use of OFDM technologies to meet those requirements." Since 802.16 has strong expertise in OFDM and OFDMA technology, this is certainly a topic of mutual interest that should be explored.
- (3) The 802.16 Mobile WirelessMAN Study Group is tasked to consider handoff capability. This is clearly an area in which 802.16 could make good use of the expertise already resident in T1P1. The Working Group is enthusiastic about the discussions, begun on 24 July, about involving T1P1 in a tutorial on handoff, to be organized by Roger Marks and Brian Kiernan, at the IEEE 802 Plenary Meeting of 11-15 November 2002 in Kauai, Hawaii, USA (see [802.16's Session #22 information](#)). We appreciate your efforts to arrange T1P1 representatives as speakers and acknowledge the difficulty many members may have in making suitable arrangements. We request that a common member, Brian Kiernan, continue to pursue the identification of suitable participants. We are interested in using the tutorial, and subsequent discussions, to launch an effort toward a common 802-wide handoff methodology.

We look forward to further discussions on these topics.

I would also like to note that our Mobile Wireless MAN Study Group met in conjunction with our Session #21 (23-26 September in Cheju, Korea). As a result of that meeting, the Working Group has prepared a Project Authorization Request ([IEEE 802.16-02/48](#)) for submission to the IEEE 802 Sponsor Executive Committee for discussion during the November Plenary Session.

Best regards,

A handwritten signature in blue ink that reads "Roger".

Roger B. Marks

cc: Paul Nikolich, Chair, IEEE 802 LAN/MAN Standards Committee