

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



Roger B. Marks
Chair, IEEE 802.16 Working Group
r.b.marks@ieee.org
21 March 2013

To: David Allan, Co-chair, Broadband Forum End to End Architecture Group
Christophe Alter, Broadband Forum Technical Committee Chair

cc: Walter Johnston, Chief, Electromagnetic Compatibility Division, FCC
James Miller, Office of Engineering and Technology, FCC
Henning Schulzrinne, Chief Technologist, FCC
Paul Nikolich, Chair, IEEE 802 Executive Committee

Subj: Response to liaison of 8 March on Performance Measurements Architecture

The IEEE 802.16 Working Group (WG) on Broadband Wireless Access appreciates your informative statement of 8 March on “Performance Measurements Architecture” <[IEEE 802.16-13-0048](#)>. We would like to better understand the following points:

1. We would like to understand the term “target MA”, particularly with respect to the term “Measurement Agent.” What are the properties of the “target MA”? Can every Measurement Agent serve as a “target MA”? In our earlier letter we explained our proposed approach, based on a differentiation between a client and server, and we wonder whether our proposal would be compatible with the MA roles in the WT-304 architecture.
2. We would like to precisely understand the term “domain”.
3. In addition to the example diagram in your letter, we would like to understand the full range of deployment architectures that fall within the scope of your efforts.
4. Would functions for Data Collector and Management Server be compatible with the architecture for WT-304 when external to the operator network?
5. Is a measurement controller necessary within the operator network?

Also, we would also like to seek your views regarding our current work in Project P802.16.3 on *Mobile Broadband Network Performance Measurements*. This inquiry follows our reports of 19 November 2012 ([IEEE 802.16-12-0680](#)) and 17 January 2013 ([IEEE 802.16-13-0041](#)). In particular, the latter statement responded to a question raised to us by the Broadband Forum ([IEEE 802.16-12-0703](#)) regarding the role and purpose of public and private functional entities in the P802.16.3 working document [IEEE 802.16-12-0682-01](#) on “[Draft] IEEE 802.16.3 Architecture and Requirements for Mobile Broadband Network Performance Measurements.” We have

provided further clarification on that topic in a statement to the IETF ([IEEE 802.16-13-0080](#)) that we are copying to you as well. We are interested to learn whether this clarifies the subject and if it raises further questions.

Note that our project is targeted directly at mobile users (independent of air interface technology) and, at the core, the needs of those users for performance data about their networks. The needs of additional stakeholders, such as network operators and public administrators, are also itemized and addressed.

We welcome your further input and we encourage you to provide comments regarding our Architecture and Requirements draft. We draw your attention to the relevant Call for Contributions [IEEE 802.16-13-0060](#). Our next opportunity to respond to formal communication will occur at [IEEE 802.16 Session #85](#) (13-16 May 2013 in Waikoloa, HI, USA). For information on our future meetings schedules, see <http://ieee802.org/16/calendar.html>.

Sincerely,

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