

**IEEE 802.16 Working Group on Broadband Wireless Access**

<http://WirelessMAN.org>



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19 May 2011

To: Wonil Roh, Chair, WiMAX Forum Technical Working Group

Subject: Response to WiMAX Forum Liaison Statement IEEE L802.16-11/0022

Dear Wonil,

Thank you for your liaison statement (IEEE L802.16-11/0022) of 13 May 2011 detailing issues with IEEE Std 802.16. The issues identified in the annexes of IEEE L802.16-11/0022 were reviewed during IEEE 802.16's Session #73 in Lake Louise, Canada from 16-19 May. The 802.16 WG has addressed these issues, as recorded in the updated Maintenance database IEEE 802.16maint-09/0007r16. Note that the issue raised in Annex A of IEEE L802.16-11/0022 is addressed in Comment 58 in IEEE 802.16maint-09/0007r16; the suggested resolution is consistent with your proposed remedy. The issue raised in Annex B of IEEE L802.16-11/0022 is addressed in Comment 59 in IEEE 802.16maint-09/0007r16.

Comment 59 records two questions raised in the Maintenance Task Group; for your convenience, these questions are repeated in the Appendix below. Since answers to those questions were not immediately available, the group decided to defer the resolution until [Session #74](#) of 18-21 July. Your comments will be welcome.

If you require further information, please feel free to contact Maintenance Task Group Chair Yan-Xiu Zheng.

Sincerely,

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

cc: Erik Colban, Secretary, WiMAX Forum Technical Working Group  
Yan-Xiu Zheng, Chair, IEEE 802.16 Maintenance Task Group  
Paul Nikolich, Chair, IEEE 802 LAN/MAN Standards Committee

## Appendix Wrong Dependency between Extended HARQ IE and sub-DL-UL-MAP for first Zone (IOPR TIO-59683, Comment 59 in IEEE 802.16maint-09/0007r16)

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### A.1 Opinions from Maintenance Task Group

Two issues are arised for this IOPR.

Issue 1: In TLV Type 172, Bit 1 means Extended HARQ IE capability. Is the interpretation of Extended HARQ IE capability consistent with HARQ DL MAP IE and HARQ UL MAP IE capability?

Issue 2: “A non-HARQ MS is required to decode DL HARQ Chase Subburst IEs with ACK Disable = 1 if the MS has the capability to decode the extended HARQ IEs. (See Table 352, Table 353, and Table 354.)” in Page 764 of IEEE 802.16-2009. The extended HARQ IEs mentioned HARQ IR. Is this sentence correct?

*[The table copied from Annex B in L802.16-11/0022.]*

Type	Length	Value	Scope
172	1	Bit 0: HARQ MAP Capability Bit 1: <b>Extended</b> HARQ <u>DL MAP IE</u> and <u>HARQ UL MAP</u> IE capability Bit 2: Sub MAP capability for first zone Bit 3: Sub MAP capability for other zones Bit 4: DL region definition support Bits 5–7: Reserved	SBC-REQ (see 6.3.2.3.23) SBC-RSP (see 6.3.2.3.24)