Project	IEEE 802.16 Broadband Wireless Access Working Group http://ieee802.org/16 Self-optimization for Transmit Power Control of MS	
Title		
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Re:	TGm SDD: SON; in response to the TGm Call for Contributions and Comments 802.16m-08/040 for Session 58	
Abstract	This contribution proposes the text for self-organization in 802.16m SDD	
Purpose	For discussion and approval by IEEE 802.16 TGm	
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Self-optimization for Transmit Power Control of MS

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Introduction

In [1], we proposed that power control schemes shall be considered to maintain the quality of the radio link between an MS and a BS and to minimize the overall system interference. The transmit power of the MS may increase overall system interference and decrease the battery life. In this contribution, we proposed that the transmit power control of an MS in 16m should be self-optimized. The following cases should be considered.

- 1. For random access channel, the MS could determine the transmit power for the first attempt based on the transmit power information sent by the BS and the measured DL signal strength.
- 2. For dedicated channel, the MS could determine the transmit power based on the power control information feedbacked by the BS.

Proposed Text for SDD
Start of the Text
[Insert the following text into the "Support for Self-organization" clause]
18. Support for Self-organization

18.x Power Control

18.x.1 Transmit Power Control

The transmit power control of an MS in 16m should be self-optimized and the following cases should be considered.

- 1. For random access channel, the MS could determine the transmit power for the first attempt based on the transmit power information sent by the BS and the measured DL signal strength.
- 2. For dedicated channel, the MS could determine the transmit power based on the power control information feedbacked by the BS.

End of the Text

Reference

[1] IEEE C80216m-08/682.