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C802.16m-07/088

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >
Title	Text Change Request for IEEE 802.16m Requirements Document
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Re:	IEEE 802.16m-07/013: "Call for Comments and Contributions on Project 802.16m Requirements: <i>IEEE 802.16 Advanced Air Interface</i> "
Abstract	This contribution proposes a text change on the "Enhanced Power Savings" section (section 6.11) of the IEEE 802.16m Requirements.
Purpose	Provide the text changes to allow enhanced power savings not only for multimedia services but also other services as well.
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Text Change Request for 802.16m Requirements Document

Original text in 802.16m-07/002r1 restricts the enhanced power savings to the multimedia services. However; we do not see any benefit in restricting the requirement to only multimedia services. There are several techniques that can be used to significantly increase the power efficiency for other services, as well. In addition, the examples should be removed from the text to prevent confusion. Power saving techniques is not limited to sleep or idle modes and many algorithms can be used to provide enhanced power savings during connected mode.

Current Text

-----**Start of the text**-----

6.11 [Enhanced Power Saving]

[The 802.16m amendment shall provide support for enhanced power saving functionality to help reduce power consumption in client devices during multimedia services such as push-to-X and also when the device is idle. The following functional enhancements with respect to the reference 802.16e system are possible:

Optimized sleep to scan and scan to sleep mode switching

Automatic sleep mode reactivation provided by the BS

Optimized sleep mode deactivation/reactivation by MS

Optimized paging message indication and decoding]

-----**End of the text**-----

Proposed Change (delete strike through text)

-----**Start of the text**-----

6.11 [Enhanced Power Saving]

The 802.16m amendment shall provide support for enhanced power saving functionality to help reduce power consumption in client devices. ~~during multimedia services such as push-to-X and also when the device is idle.~~ The following functional enhancements with respect to the reference 802.16e system are possible:

~~Optimized sleep to scan and scan to sleep mode switching~~

~~Automatic sleep mode reactivation provided by the BS~~

~~Optimized sleep mode deactivation/reactivation by MS~~

~~Optimized paging message indication and decoding].~~

-----**End of the text**-----