Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**	
Title	Clarification on Power Saving Class Deactivation Condition	
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Re:	Call for Maintenance Change Requests on IEEE Std 802.16	
Abstract	This document suggests clarification on Power Saving Class deactivation condition.	
Purpose	Adopt change requests on IEEE 802.16e-2005.	
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Clarification on Power Saving Class Deactivation Condition

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1. Problem Statement

Power Saving Class deactivation condition is not clearly defined in Section 6.3.21.2.

2. Suggested Remedy

[Change the last paragraphs of Page 231, Section 6.3.21.2 as indicated:]

~~During active state of Power Saving Class of type I, the MS is not expected to send or receive any MAC SDUs or their fragments or to send bandwidth requests at connections that belong to the Power Saving Class.~~

Power Saving Class is deactivated either by MOB_SLP-REQ/Bandwidth request and uplink sleep control header or MOB_SLP-RSP/DL Sleep control extended subheader messages. ~~or (if Traffic triggered wakening flag = 1) after one of following events:~~

~~- BS transmits (during availability window) a MAC SDU or fragment thereof over connection belonging to the Power Saving Class~~
~~- MS transmits a bandwidth request with respect to connection belonging to the Power Saving Class~~
~~- MS receives MOB_TRF-IND message indicating presence of buffered traffic addressed to the MS~~

Also, Power Saving Class is deactivated if Traffic triggered wakening flag ==1 after one of the following events:
- MS receives (during Availability interval) a MAC SDU or fragment thereof over a transport connection belonging to the Power Saving Class
- MS transmits a bandwidth request with BR set to value other than 0 on a transport connection belonging to the Power Saving Class

Power Saving Class is deactivated if MS receives MOB_TRF-IND message indicating presence of buffered traffic addressed to the MS.

~~Assuming~~ In case TRF-IND_Required flag was set in MOB_SLP-~~REQ~~RSP, Power Saving Class shall be deactivated if MS failed to receive MOB_TRF-IND message during ~~availability window~~ each Availability interval which contains at least one listening window of Power Saving Class of type 1.

If Traffic triggered wakening flag is set to 1 while TRF-IND_Required is unset, then the BS may send data without sending the MOB_TRF-IND message. When both Traffic triggered wakening flag and TRF-IND_Required is set to 1, the BS shall transmit the MOB_TRF-IND message at an Availability interval before sending DL traffic.

During ~~listening windows~~ Availability intervals the MS is expected to receive all DL transmissions same way as in the state of normal operations (no sleep).

[In page 117, change text as follows:]

TRF-IND_Required
For Power Saving Class Type I only.
1 = BS shall transmit at least one MOB_TRF-IND message during each listening window of the Power Saving Class. This bit shall be set to 0 for another types.
If TRF-IND_Required is set to1 and MOB_TRF-IND message includes positive indication for an MS, it shall deactivate Power Saving Class.