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Re:	Ballot #14
Abstract	Sleep mode enhancements for P802.16e/D1-2004.
Purpose	Sleep mode enhancements
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Sleep Mode enhancements

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Problem Statements

MOB_TRF-IND has no use and can be removed. If the BS has data to send it can send it to the MSS when the MSS wake up for the listening period. If there is data then the MSS uses that as an implicit indication that the BS wants it to exit the sleeping state.

Resolution

Remove SLPID from MOB_SLP-RSP Remove MOB_TRF-IND

Suggested text change

Page 23, Table 85, b line 18: Remove SLPID

Remove 6.4.2.3.44

Page 35, line 38: Remove "and listen for an appropriate MOB_TRF-IND traffic indication Message"

Page 35, line 39: Change "The MSS shall decide whether to stay awake or go back to sleep based on a positive MOB_TRF-IND from the Serving BS." TO "The MSS shall decide whether to stay awake or go back to sleep based on if there is data (control or otherwise) sent to the MSS".

Page 35, line 53: Change "The listening-window parameter defines the maximum number of whole frames the MSS shall remain awake waiting for an MOB_TRF-IND message." TO "The listening-window parameter defines the maximum number of whole frames the MSS shall remain awake waiting for data (control or otherwise)."

Page 35, line 55: Remove "message. Traffic indication message (MOB_TRF-IND) shall be sent by the BS on the broadcast CID during each appropriate MSS listening window. If the number of positive indications is zero, the BS sends an empty indication message, that is, MOB_TRF-IND message with num-positive=0."

Page 35, line 58: Change "The BS may buffer (or it may drop) incoming PDUs addressed to the sleeping MSS and shall send notification to the MSS in its listening-window about whether data has been addressed for it during an preceding interval." TO "The BS may buffer (or it may drop) incoming PDUs addressed to the sleeping MSS."

Page 35, line 58: Change "If such PDUs exist, or if the listening interval has passed but the MSS didn't receive any TRF-IND message, the MSS shall remain awake, terminating the sleep-interval and reentering Normal Operation." TO "If the listening interval has passed but the MSS didn't receive any data (control or otherwise), the MSS shall go back to sleep."

Page 39, Figure 108d: Change diagram To the following:

