IEEE P802.11
Wireless LANs

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| Comment resolution for CID 3400 |
| Date: 2011-09-22 |
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Abstract

This document provides resolution for the comment CID 3400.

Comments are from: 11-11-0907-07-00ac-lb178-comments-tgac-d1-0.xlsx

Comments refer to: Draft P802.11inac\_D1.0.pdf

**Comments**

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| 3400 | 93/16 | 9.30.6 | TXVECTOR parameters of an NDP frame such as GID and Partial AID are set differently from normal PPDU. If TXOP power save is allowed in an NDP frame, target STA may enter DOZE state by mistake. | Add the following condition:- TXOP\_PS\_NOT\_ALLOWED set to 1. | AGREE IN PRINCIPLE. Modify the spec text as suggested in 11/1321. | MU |

**Discussion**

The TXOP\_PS\_NOT\_ALLOWED bit is set independent of the value of GID and Partial AID.

If TXOP power save is allowed in an NDP frame following a group addressed NDPA with Partial AID equal to 0, all VHT STAs in power save mode should not enter the doze state. To be more general, for all group addressed VHT PPDU with partial AID equal to 0, if TXOP power save is allowed by the VHT PPDU, all VHT STAs in power save mode should not enter the doze state.

The current spec states that if the STA finds that the PARTIAL\_AID in the RXVECTOR does not match its partial AID, it may enter the Doze state. For broadcast case, the partial AID in the RXVECTOR equals to 0, which means if the TXOP power save is allowed, all the STAs in power save mode may enter the Doze state, which is obviously not correct.

**Instructions to the editor**

***Modify the text in P802.11AC D1.0, P94/L34 as follows : [****text in red&strikeline indicates removed words; text in blue&underline indicates inserted words****]***

If the VHT non-AP STAs are allowed to enter Doze state during a TXOP, then the VHT non-AP STA that is in VHT TXOP power save mode may enter the Doze state till the end of that TXOP when one of the following conditions exists:

— The STA finds that it is not a member of group indicated by RXVECTOR parameter GROUP\_ID.

— The STA finds that the PARTIAL\_AID in the RXVECTOR does not equal to 0 and does not match its partial AID or it finds that the frame is not directed to it.

— The STA receives a frame with an RXVECTOR parameter NUM\_STS equal to 0, if it is a member of group indicated by RXVECTOR GROUP\_ID.

— The STA sends an acknowledgement in response to frame received with More Data field set to 0.