IEEE P802.11
Wireless LANs

|  |
| --- |
| 802.11 TGac WG Letter Ballot LB187LB187 MAC comment resolutions |
| Date: 2012-05-13 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Patil Sandhya | Samsung | 65/1, TRIBID, Bagmane Tech Park, Bangalore-93 |  | sandhya.raga@samsung.com  |

Abstract

The document provides the comment resolution for the CIDs: 4225, 4449, 4620, 4454.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 4225 | 134.51 | 10.2.1.4a | There is a case receiver could not feedback a ACK after successfully receive a packet, in this case the receiver should also go to sleep if there's no following packet. | Add a condition of entering the Doze state:The STA receives a frame not causing a response with More Data field equal to 0,and the RA in the MAC header of the frame that is received correctly matches the MAC address of the STA. |

**Discussion:**

If the AP expects the acknowledgement in response to a frame with More Data bit set to 0, then station must send an acknowledgement before entering Doze. If the AP does not expect any acknowledgement, then the station can enter Doze state right after the reception of the frame. The condition for this case needs to be clarified for the ‘No Ack’ policy in the QoS Control field.

**Proposed resolution:**

Revised: See the discussion for CID 4225 in 12/0640r0.

**Proposed Text Change:**

The STA receives a frame intended to it with More Data field equal to 0 and Ack Policy subfield in the QoS Control field is equal to No Ack or sends an acknowledgement if Ack Policy subfield is not equal to No Ack.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 4449 | 134.46 | 10.2.1.4a | Clearer if this bullet leads with "In a received NDPA" | As in comment |

**Proposed resolution:**

Accept: See the comment resolution for CID 4449 in 12/0640r0.

**Proposed Text Change:**

In a received NDPA, the STA finds that the Partial AID in the RXVECTOR is 0 and the AID in the STA Info field does not match with its AID.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 4620 | 134.15 | 10.2.1.4a | It is suggested to add descriptions here about how STAs notify the AP that they opearte in TXOP power save mode and then AP could gain this knowledge to prevent from sending traffic to them | Add descriptions. |

**Discussion:**

The information about the station’s TXOP power save mode is exchanged during the association in a VHT capabilities field. With this, if AP has allowed the stations to enter Doze state in a TXOP, then AP can avoid sending frames to STAs in Doze state based on the group Id/Partial ID of the transmitted frames in the TXOP and the associated station’s information database. It is not required by stations to notify this on per frame or a TXOP basis.

**Proposed Resolution:**

Reject: See the discussion for CID 4620 in 12/0640r0.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 4454 | 134.23 | 10.2.1.4a | "decodes L-SIG of a frame correctly" but frames don't have LSIG, and need to wait until end of PPDU + EIFS | "EIFS after the end of a PPDU whose L-SIG is correctly decoded" |

**Proposed resolution:**

Accept. Make the changes as specified for CID 4454 in 12/0640r4.

**Proposed Text Changes:**

-EIFS after the end of PPDU whose L-SIG is correctly decoded or

**References:**

1. IEEE Draft P802.11ac\_D2.0
2. IEEE 11-12-0223-02-00ac-lb187-comment-tgac-d2-0.xls