IEEE P802.11
Wireless LANs

|  |
| --- |
| LB225 CR CID 8358 and 9377 |
| Date: 2017-08-31 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Yongho Seok | MediaTek Inc. | 2840 Junction Ave, San Jose, CA 95134 |  | yongho.seok@mediatek.com  |
| Chao-Chun Wang | MediaTek Inc. |  |  |  |
| James Yee  | MediaTek Inc. |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes resolutions of comments received from TGax LB225.

(The proposed change is based on TGax Draft 1.4.)

* CIDs: 8358, 9377 (2 CID)

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGax Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGax Editor: Editing instructions preceded by “TGax Editor” are instructions to the TGax editor to modify existing material in the TGax draft. As a result of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.***

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- |
| 8358 | 16.20 | 8.3.5.12.2 | The PHY-CCA.indication(BUSY, {primary}) primitive is issued by the PHY as long as a valid PPDU is detected at a sufficient signal strength over the primary 20 MHz channel. However, just based on this indication, it is not possible for the MAC to understand which of the 20 MHz channels other than the primary 20 MHz are actually busy. To facilitate better spectrum re-use during DL/UL OFDMA transmissions, it would be beneficial for the MAC to be aware of the busy/idle state of the rest of the 20 MHz channels even when the primary 20 MHz channel is busy. | In order to enable the MAC to understand which of the 20 MHz channels other than the primary 20 MHz are actually busy, add three more channel-list elements for HE STAs:primary20: In an HE STA, indicates that the primary 20 MHz channel is busy but the rest of the 20 MHz channels within the operating channel width are idle.primary40: In an HE STA, indicates that the primary 40 MHz channel is busy but the rest of the 20 MHz channels within the operating channel width are idle.primary80: In an HE STA, indicates that the primary 80 MHz channel is busy but the rest of the 20 MHz channels within the operating channel width are idle. | Revised- Agree in principle. As the comment, the CCA indication mechanism for per-20MHz independent on the primiary channel was proposed in 11-17/209r2 and accepted in March 2017 F2F meeting. Please refer the description in 11-17/209r2 when the dot11HECCAIndicationMode is equal to 2 (per20bitmapsifs).**Note to Editor: No further changes are required for this instruction as these changes are already incorporated in D1.4.**  |
| 9377 | 134.40 | 10.24.10.3 | Change "MU BAR" to "GCR MU BAR" in 10.24.10.3 GCR block ack BlockAckReq and BlockAck frame exchanges | As in comment | Revised- Agree in principle. But, the proposed change was approved from 11-17/384r2. Meanwhile, when an HE STA sends a BlockAck frame after receiving a GCR MU-BAR Trigger frame, a description of the GCR Group Address subfield should be changed. Because the GCR MU-BAR Trigger frame does not have the Group Address subfield.TGax editor makes changes as shown in the as specified in 11-17/1313r0.  |

**9.3.1.9.6 GCR Block Ack variant**

***TGax editor: change sub-clause 9.3.1.9.6 as the following:***

The GCR Group Address subfield is set to the value from the Group Address subfield of the GCR BAR

Information field in the BlockAckReq frame to which the BlockAck frame is sent in response. When the BlockAck frame is sent in response to the GCR MU-BAR Trigger frame, the GCR Group Address subfield is set to the value from the RA field in the GCR MU-BAR Trigger frame.