IEEE P802.11
Wireless LANs

|  |
| --- |
| Comment Resolution on Multiple Sector Feedback |
| Date: 2017-7-8 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Lei Huang | Panasonic |  |  | lei.huang@sg.panasonic.com |
| Motozuka Hiroyuki | Panasonic |  |  |  |
| Sakamoto Takenori | Panasonic |  |  |  |
| Gaius Wee | Panasonic |  |  |  |

Abstract

This submission proposes resolution of comment received from TGay comment collection (TGay Draft 0.3).

- 1 CID: 392

This submission also further clarifies the multiple sector feedback procedure.

1. **Introduction**

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 TGay Draft. The introduction and the explanation of the proposed changes are not part of the adopted material.

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CID | Page Number | Line Number | Comment | Proposed Change | Resolution |
| 392 | 67 | 1 | Is it required to have a EDMG BRP request elelemnt included in BRP frame when requesting additional feedback in the last SLS? | If EDMG BRP request elelemnt is necessary, specify what field should be set to what value | Revised-EDMG BRP Request element is included in a BRP frame which is used for BF training. It is unnecessary to have an EDMG BRP Request element included in a BRP frame when additional feedback in the last SLS is requested.TGay editor to make the changes shown in 11-17/1033r0 under all headings that include CID 392. |

**Discussion:**

Propose:

Revised for 1 CID 392 as per discussion and editing instructions in 11-17/1033r0.

**---------------------------------------------------------------------------------------------------------------------**

**10.38.9.2.2 Multiple sector feedback**

***Change this clause as follows:***

If the Additional Feedback Requested subfield in the BRP Request field contained in the SSW-Ack frame transmitted during the last SLS between an initiator and a responder is set to 1 and the Additional Feedback Requested subfield in the BRP Request field contained in the SSW-Feedback frame transmitted during the last SLS between the initiator and the responder is set to 0, the initiator shall transmit a BRP frame to the responder to initiate multiple sector feedback. The BRP frame shall include at least one EDMG Channel Measurement Feedback element with the EDMG Sector ID Order field indicating sectors that were received from different responder’s TX DMG antennas by each indicated initiator’s RX DMG antenna and at least one Channel Measurement Feedback element with SNR measurements indicated for each sector. The responder shall respond with a BRP frame SIFS after the reception of the BRP frame from the initiator. The BRP frame shall not include EDMG Channel Measurement Feedback element and Channel Measurement Feedback element.

If the Additional Feedback Requested subfield in the BRP Request field contained in the SSW-Ack frame transmitted during the last SLS between an initiator and a responder is set to 0 and the Additional Feedback Requested subfield in the BRP Request field contained in the SSW-Feedback frame transmitted during the last SLS between the initiator and the responder is set to 1, the initiator shall transmit a BRP frame to the responder to initiate multiple sector feedback. The BRP frame shall not include EDMG Channel Measurement Feedback element and Channel Measurement Feedback element. The responder shall respond with a BRP frame SIFS after the reception of the BRP frame from the initiator. The BRP frame shall include at least one EDMG Channel Measurement Feedback element with the EDMG Sector ID Order field indicating sectors that were received from different initiator’s TX DMG antennas by each indicated responder’s RX DMG antenna and at least one Channel Measurement Feedback element shall also be included in the frame with SNR measurements indicated for each sector.

If the Additional Feedback Requested subfield in the BRP Request field contained in the SSW-Ack frame transmitted during the last SLS between an initiator and a responder is set to 1 and the Additional Feedback Requested subfield in the BRP Request field contained in the SSW-Feedback frame transmitted during the last SLS between the initiator and the responder is set to 1, the initiator shall transmit a BRP frame to the responder to initiate multiple sector feedback. The BRP frame shall include at least one EDMG Channel Measurement Feedback element with the EDMG Sector ID Order field indicating sectors that were received from different responder’s TX DMG antennas by each indicated initiator’s RX DMG antenna and at least one Channel Measurement Feedback element with SNR measurements indicated for each sector. The responder shall respond with a BRP frame SIFS after the reception of the BRP frame from the initiator. The BRP frame shall include at least one EDMG Channel Measurement Feedback element with the EDMG Sector ID Order field indicating sectors that were received from different initiator’s TX DMG antennas by each indicated responder’s RX DMG antenna and at least one Channel Measurement Feedback element shall also be included in the frame with SNR measurements indicated for each sector.

If the Additional Feedback Requested subfield in the BRP Request field contained in the SSW-Ack frame transmitted during the last SLS between an initiator and a responder is set to 0 and the Additional Feedback Requested subfield in the BRP Request field contained in the SSW-Feedback frame transmitted during the last SLS between the initiator and the responder is set to 0, the initiator shall not initiate multiple sector feedback.

NOTE—Multiple sector feedback can happen independently or can be done as part of the BRP setup subphase (10.38.3.2).

**Straw Poll:**

* **Do you agree to accept comment resolution as proposed in doc 11-17/1033r0?**