IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Comment Resolutions on Clause 27.3.15.2 (Beamforming feedback matrix V) | | | | |
| Date: 2019-05-12 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Kome Oteri | InterDigital | 9726 Scranton Road, #300, San Diego, CA 92121 | +1-858-210-4826 | kome.oteri@interdigital.com |
| Xiaofei Wang |  |  |  |
| Rui Yang |  |  |  |

Abstract

This submission proposes resolutions for the following 3 comments on 27.3.15.2 (Beamforming feedback matrix V) of TGax D4.0 [1]:

20780, 20781, 21565

Revisions:

* Rev 0: Original Document

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** | **Clause Number(C)** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 20780 | 27.3.15.2 | 610.55 | Re CID 16336: the "only" is not clear and adds nothing | Delete "only" in " The number of bits for quantiza- tion, tone grouping factor, and the number of columns in the HE compressed beamforming feedback are determined by the beamformee only if the HE NDP Announcement frame contains a single STA Info field that has a value in the AID11 field other than 2047." | Revised  The sentence has been deleted as a part of the resolution for CID 21565.  As such no further change is needed. |
| 20781 | 27.3.15.2 | 610.52 | Re CID 16336: then in the previous sentence we also need to highlight that this is the only condition where the BFer determines these parameters | Change "The number of bits for quantization, tone grouping factor, and the number of columns in the HE compressed beamforming feedback are set by the HE beamformer if the HE NDP Announcement frame contains more than one STA Info field that has a value in the AID11 field other than 2047." to "The number of bits for quantization, tone grouping factor, and the number of columns in the HE compressed beamforming feedback are determined by the HE beamformer only if the HE NDP Announcement frame contains more than one STA Info field that has a value in the AID11 field other than 2047." | Revised  The sentence has been deleted as a part of the resolution for CID 21565.  As such no further change is needed. |
| 21565 | 27.3.15.2 | 610.53 | Whether the beamformer or beamformee determines the codebook size, number of columns, etc. is already specified in 26.7 (P361L5). Better not to duplicate information (which could lead to unintentional errors.) | Delete the two sentences spanning P610L53-59: "The number of bits for quantization, ... AID11 field other than 2047." | Accept  Both paragraphs discuss which STA decides on the parameters of the feedback (a) As the commenter has said, we should avoid duplication to avoid unintentional errors. (b) Section 26.7.3 (Rules for HE sounding protocol sequences) discusses the rules governing HE sounding and so the rule naturally fits there. |

**References:**

1. **IEEE P802.11axTM/D4.0, February 2019.**