IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | CR TXBF FB NR CID 161 162 | | | | | | Date: 2017-06-12 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Matthew Fischer | Broadcom |  |  | [Matthew.fischer@broadcom.com](mailto:Matthew.fischer@broadcom.com) | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

Comment resolution with proposed changes to TGmd D0.1 for CIDs relating to the Nr value in TXBF FB frames.

The CID list is:

161 162

The proposed changes on this document are based on TGmd Draft 0.1.

**REVISION NOTES:**

**R0**:

initial

**END OF REVISION NOTES**

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.***

**CIDs**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 161 | Mark Rison | 791.38 | 9.4.1.27 | Nr = 1 is not valid for CBR | Delete "Set to 0 for Nr = 1" at the referenced location and add "The value 0 is reserved" at the end of the cell | REVISED –  Agree in principle with the comment.  TGax editor to make the changes shown in 11-17/1226r0 under all headings that include CID 161 |
| 162 | Mark Rison | 810.46 | 9.4.1.48 | Nr = 1 is not valid for CBR | Delete "Set to 0 for Nr = 1" at the referenced location and add "The value 0 is reserved" at the end of the cell | REVISED –  Agree in principle with the comment.  TGax editor to make the changes shown in 11-17/1226r0 under all headings that include CID 162 |

**Discussion:**

As suggested by the commenter, for at least some uses of the MIMO Control field, the value Nr == 1 is not applicable.

The question must be asked, is it true for all uses of MIMO Control field?

I believe it is true.

Note that the in-progress TGax draft does appear to have a use for the NR == 1 case, but the TGax draft is defining its own HE MIMO Control field, so the point still stands – besides which, this comment should not consider any future drafts.

**Proposed Changes to Draft Text of TGmd D0.1:**

**CID 161**

***TGmd editor: modify the Nr Index row of Table 9-51 – Subfields of the MIMO Control field within TGmd D0.1 subclause 9.4.1.27 MIMO Control field as follows, noting that the header row is shown for convenience and is not part of the proposed changes:***

**9.4.1.27 MIMO Control field**

**Table 9-51—Subfields of the MIMO Control field**

|  |  |
| --- | --- |
| **Subfield** | **Description** |
| Nr Index | Indicates the number of rows in a matrix minus one:  Set to 1 for Nr = 2  Set to 2 for Nr = 3  Set to 3 for Nr = 4  The value of 0 is reserved |

**CID 162**

***TGmd editor: modify the Nr Index row of Table 9-66 – Subfields of the VHT MIMO Control field within TGmd D0.1 subclause 9.4.1.48 VHT MIMO Control field as follows, noting that the header row is shown for convenience and is not part of the proposed changes:***

**9.4.1.48 VHT MIMO Control field**

**Table 9-66—Subfields of the VHT MIMO Control field**

|  |  |
| --- | --- |
| **Subfield** | **Description** |
| Nr Index | Indicates the number of rows, *Nr*, in the compressed beamforming feedback matrix minus 1:  Set to 1 for Nr = 2  …  Set to 7 for Nr = 8  The value of 0 is reserved |

**End of proposed changes.**