IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PHY Miscellaneous CIDs | | | | |
| Date: 2018-05-07 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Bin Tian | Qualcomm |  |  | btian@qti.qualcomm.com |
| Lochan Verma | Qualcomm |  |  | lverma@qti.qualcomm.com |
|  |  |  |  |  |

Abstract

This submission proposes resolutions for the following comments on TGax D2.0:

11893, 13618, 13619, 13620, 13621

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** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 11893 | 28.3.7 | 485.01 | How to set the HE-SIG-A fields in HE TB NDP feedback PPDUs? | Add descriptions on how to set different subfields in HE TB NDP feedback PPDUs | Rejected.  HE TB NDP feedback is a special type of TB PPDU so its HE-SIG-A bit setting follows the same rule as TB PPDU |
| 13618 | 28.5 | 523.49 | Change the text as a normative description | Change 'DCM is an optional modulation scheme for' to 'DCM may be applied for' | Revised. Mandatory/optional support of DCM has been stated in the 28.3.1 Introduction. No need for duplication here.  Tgax editor: please make the changes as shown in 11-18/0806r0 for CID 13618 |
| 13619 | 28.5 | 523.57 | Mandatory/optional description is not clear, better to rewrite the whole paragraph as a normative text format and clarify mandatory/optional parts for each tone. For example, 26-tone RU of certain wideband OFDMA PPDU for 20MHz-only STA is optional | Re-clarify the capability for RU sizes on 20MHz operating non-AP HE STA, 80 MHz capable non-AP HE STA. | Revised. Mandatory/optional description of RU size has been stated in the 28.3.1 Introduction. No need for duplication here.  Tgax editor: please make the changes as shown in 11-18/0806r0 for CID 13619 |
| 13620 | 28.5 | 523.59 | non-OFDMA 40MHz and 80MHz is not supported for 20MHz operating STA, so it should not be described as mandatory in general | Change the description as normative text with further clarification as 'An HE STA shall support non-OFDMA 20MHz with Nss=1. An HE STA except 20MHz operating non-AP HE STA shall support 40MHz, and 80 MHz with Nss=1' | Revised. Mandatory/option description on BW support is stated in the 28.3.1. No need for duplication here.  Tgax editor: please make the changes as shown in 11-18/0806r0 for CID 13620 |
| 13621 | 28.5 | 524.01 | Create the subclauses per RU tone size so that the readerbility for MCS is significantly improved | Create the subclauses 'HE MCSs for 26-tone RU', 'HE MCSs for 52-tone RU', 'HE MCS for 106-tone RU' and so on | Accepted |

**Resolution for CID 13618, 13619 and 13620**

**TGax Editor: Please remove the following paragraph in P576 Clause 28.5 of D2.3**

~~DCM is an optional modulation scheme for any OFDMA and non-OFDMA transmis-sions. DCM is applied only(#11221) to MCS 0, MCS 1, MCS 3 and MCS 4. DCM is applied only with~~ *~~NSS~~* ~~= 1 or~~ *~~NSS~~* ~~= 2 (in the case of single user RU in an HE MU PPDU,~~ *~~NSS,r,u~~* ~~= 1 or~~ *~~NSS,r,u~~* ~~= 2). An HE STA shall support single spatial stream HE-MCSs within the range HE-MCS 0 to HE-MCS 7 for all channel widths for which it has indicated support regardless of the setting of the Supported HE-MCS And NSS Set field. When more than one spatial stream is supported, the Max HE-MCS For~~ *~~n~~* ~~SS subfield values in the Rx HE-MCS Map and Tx HE-MCS Map subfields of the Supported HE-MCS And NSS Set field may result in a reduced HE-MCS range (cut-off) for~~ *~~NSS~~* ~~= 2, …, 8. Support for OFDMA 26-tone RU, 52-tone RU, 106- tone RU, 242-tone RU and 996-tone RU with~~ *~~NSS~~* ~~= 1 is mandatory. Support for non-OFDMA 20 MHz, 40 MHz, and 80 MHz with~~ *~~NSS~~* ~~= 1 is mandatory. Support for more than one spatial stream is optional in all cases. Support for OFDMA and non-OFDMA 160 MHz and 80+80 MHz with~~ *~~NSS~~* ~~= 1, …, 8 is optional.~~