IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 11ax Comment Resolutions for Clause 26.3.11 | | | | |
| Date: 2016-08-23 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | Email |
| Yan Zhang | Marvell | 5488 Marvell Ln,  Santa Clara, CA 95054 | 408-222-0975 | [yzhang@marvell.com](mailto:yzhang@marvell.com) |
| Rui Cao | Marvell |  |  | [ruicao@marvell.com](mailto:ruicao@marvell.com) |
| Hongyuan Zhang | Marvell |  |  | [hongyuan@marvell.com](mailto:hongyuan@marvell.com) |

Abstract: This document contains proposed resolutions for comments in *Clause 26.3.11* from 11ax D0.4 with the CIDs below.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***Clause 26.3.11*** | | | |  | | |
| * 2097 * 2098 * 2099 * 2563 * 2564 * 2726 2881 * 484 | | | | | |  |
|  | | | |  | | |
|  | | | |  | | |
|  | | | |  | | |
| 2097 | Siguard Schelstraete | | 26.3.11.13 | 218.35 | Add segment information | | Add "and segment i\_seg" after "N\_TX" | | | **Accepted.** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2098 | Siguard Schelstraete | 26.3.11.13 | 218.56 | Wrong reference | Two errored references to be corrected (line 48 and 50) | **Rejected.**  It is resolved by resolution of CID#476. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2099 | Siguard Schelstraete | 26.3.11.13 | 219.33 | Normalization factor for trigger-based frame | Is the transmitter in the r-th RU supposed to know the normalization factors of all other RUs and which RUs are responding to the Trigger frame? The normalization factor does not look correct. | **Revised.**  Change to as in the resolution of CID2099 in doc IEEE802.11-16/1138r3. |

Discussion:

Equation (26-117) is a general respresentation where  (equal to the TXVECTOR parameter NUM\_RUs) is 1 for HE trigger-based PPDU. Hence, for HE trigger based PPDU, the transmitter in the r-th RU does not need to know the normalization factors of all other RUs.

ax editor: please make the following changes in D0.4 *Clause 26.3.11.13*:

* On P219L33 (CID #2099): Change Equation 26-117 to



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2563 | Youhan Kim | 26.3.10.2 | 136.10 | Hard to understand "... HE PPDU, the 4 possible boundaries participate the FEC output bit stream of the last OFDM symbol(s) into 4 symbol segments." | Delete ", the 4 possible boundaries participate the FEC output bit stream of the last OFDM symbol(s) into 4 symbol segments" | **Rejected.**  It is resolved by resolution of CID #1837. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2564 | Youhan Kim | 26.3.11.2 | 197.17 | "a" factor is not a good name. The name gives no indication of what it means, and It can be easily confused to mean "one" of several factors. | Change the name "a-factor" to something more meaningful. | **Revised.**  Change to as in the resolution of CID2564 in doc IEEE802.11-16/1138r3. |

ax editor: please make the following changes in D0.4 *Clause 26.3.11.2*:

* On P197L17 (CID #2564): Change to pre-FEC padding factor throughout the draft.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2726 | Yuichi Morioka | 26.3.11.2 | 197.3 | Is there no case where padding is not necessary? | Remove the word "all" | **Rejected.**  It says that “A two step padding process is applied to all HE PPDUs”. Even there are cases that padding is not necessary, you have to apply the padding process first to determine if padding is needed or not. |
| 2881 | Yusuke Tanaka | 26.3.11.2 | 197.3 | Is there no case where padding is not necessary? | Remove the word "all" | **Rejected.**  Refer to comment resolution of CID 2726 in doc IEEE802.11-16/1138r3. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 484 | Daewon Lee | 26.3.11.13 | 218.59 | cyclic shift for data modulated symbols refer to pre-HE cyclic shift values. However, data modulated symbols are HE modulated symbols. If the intent is to have one cyclic shift values for both pre-HE and HE modulated symbols, re-name pre-HE cyclic shift to cyclic shift. Otherwise, correct pre-HE cyclic shift for data symbol to HE cyclic shift for data symbols. | change T\_{CS,HE} to another notation to indicate for HE cyclic shift values. Add a new section named "cyclic shift for HE modulated field" after 26.3.9.2 Cyclic shift for pre-HE modulated field. Put correspond reference (cyclic shift for HE modulated field) to the data symbol equation. | **Rejected.**  It is resolved by resolution of CID#1052. |