IEEE P802.11
Wireless LANs

|  |
| --- |
| Remaining PHY Preamble comment resolutions |
| Date: 2017-5-8 |
| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Yan Zhang | Marvell  | 5488 Marvell Ln, Santa Clara, CA 95054 | 408-222-0975 | yzhang@marvell.com |

Abstract: This document contains proposed resolutions for comments from 11ax D2.3 with the CIDs below.

|  |  |
| --- | --- |
|  |  |
| ***Clause 28.3.10.7**** 11895,13458, 13459,13463
 |  |
|  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 13458 | Sigurd Schelstraete | 28.3.10.7.2 | 408.34 | "Channel Doppler is high" is not a meaningful criterion. Replace with more generic "Midamble is recommended in the reverse direction" | See comment or provide objective criterion to establish "high Doppler" | **Revised.**Change to as in the resolution of CID13458 in doc IEEE802.11-18/0937r0. |
| 13459 | Sigurd Schelstraete | 28.3.10.7.2 | 410.44 | "Channel Doppler is high" is not a meaningful criterion. Replace with more generic "Midamble is recommended in the reverse direction" | See comment or provide objective criterion to establish "high Doppler" | **Revised.**Change to as in the resolution of CID13459 in doc IEEE802.11-18/0937r0. |

ax editor: please make the following change in D2.3 *Clause 28.3.10.7.2*

* On P452L32 (CID #13458): B15 of HE-SIGA-2 Doppler Field in Table 28-18

The number of OFDM symbols in the HE Data field is less than or equal to the signaled midamble periodicity plus 1 (see 28.3.11.16 Midamble), the midamble is not present, but the channel isfast varying. It recommends that midamble may be used for the PPDUs of the reverse link.

* On P455L16 (CID #13459): B25 of HE-SIGA-1 Doppler Field in Table 28-19

The number of OFDM symbols in the HE Data field is less than or equal to the signaled midamble periodicity plus 1 (see 28.3.11.16 Midamble), the midamble is not present, but the channel isfast varying. It recommends that midamble may be used for the PPDUs of the reverse link.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 13463 | Sigurd Schelstraete | 28.3.10.7.4 | 418.10 | The term symbol is not correct here ("HE-SIG-A symbols shall be BCC encoded ..."), since symbol is later used to represent the final 52 output symbols (see lines 17 and 18) | Replace "symbols" with "parts" | **Revised.**Change to as in the resolution of CID13463 in doc IEEE802.11-18/0937r0.  |

ax editor already made changes according to CR 13463 in D2.3, but on comment spreadsheet, status is not updated.

|  |  |
| --- | --- |
|  |  |
| 11895 | Hongyuan Zhang | 27.5.3.2.3 | 248.1 | For accurate timing synchronization at each STA responding a trigger frame, the legacy part preamble (L-STF, L-LTF, ...) of the PPDU carrying trigger frame shall not be beamformed. There are existing implementations that may beamform the legacy preamble or the whole non-HT PPDU, but it is better to be disallowed if the PPDU is carrying a trigger frame. | Add a note: "Beamforming the non-HT preamble of the PPDU carrying a Trigger Frame is not recommended" | **Revised.**Change to as in the resolution of CID11895 in doc IEEE802.11-18/0937r0. |

The comment has been resolved by CID 14256, ax editor already made changes in D2.3, but on comment spreadsheet, status is not updated.