IEEE P802.11
Wireless LANs

|  |
| --- |
| Comment Resolution SA Ballot |
| Date: 2024-11-11 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Christian Berger | NXP | 350 Holger Way, San Jose, CA |  | christian.berger@nxp.com |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes to address the following CIDs I-4, I-11, I-12, I-21, I-22, I-23, I-24, and I-28, changes are relative to Draft P802.11be\_D0.0, Draft P802.11REVme\_D6.0, and Draft P802.11bk D3.0.

Revisions:

1. Specify CIDs and add links, added CIDs I-21, I-22, I-23, I-24 and, I-28

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 TGbk Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbk Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGbk Editor: Editing instructions preceded by “TGbk Editor” are instructions to the TGbk editor to modify existing material in the TGbk draft. As a result of adopting the changes, the TGbk editor will execute the instructions rather than copy them to the TGbk Draft.***

**The text preceded by “Discussion” is not part of the adopted changes.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| **I-4** | 17.33 | 8.3.5.18.2 | Refers only HE PHY section, should also reference EHT PHY | add "27.3.20.6 (…) and 36.3.19b.4 (Construction of secure EHT-LTF symbols)" | **Accepted** |
| **I-11** | 34.6 | 11.21.6.3.3 | "The Max R2I Repetition field is set to the maximum number of LTF repetitions it is capable of receiving in the preamble of the R2I NDP for 320 MHz bandwidth." Contradicts section 9 definition. We can say it indicates the value …. Or it \*sets\* the value minus 1. Same for the next bullet point. | Change to "The Max R2I Repetition field is set to the maximum number of LTF repetitions it is capable of receiving in the preamble of the R2I NDP for 320 MHz bandwidth minus 1." | **Revised**TGbk editor, make the changes identified in document<https://mentor.ieee.org/802.11/dcn/24/11-24-1923-01-00bk-comment-resolution-sa-ballot.docx> |
| **I-12** | 34.10 | 11.21.6.3.3 | "The Max R2I LTF Total field is set to the maximum number of LTFs in total it is capable of receiving for 320 MHz bandwidth, including all repetitions, in the R2I NDP." - it is not set to that value, it is set to a value based on table Table 9 -413—Max R2I/I2R LTF Total subfields that indicates the cited value. | Change to "The Max R2I LTF Total field is set to indicate the maximum number of LTFs in total it is capable of receiving for 320 MHz bandwidth, including all repetitions, in the R2I NDP." | **Revised**TGbk editor, make the changes identified in document<https://mentor.ieee.org/802.11/dcn/24/11-24-1923-01-00bk-comment-resolution-sa-ballot.docx> |
| **I-21** | 56.10 | 11.21.6.4.4.2 | "is less than or equal to 320 MHz" - less than or equal to 320 MHz are all the cases, typo? | Change to "is less than 320 MHz" | **Accepted** |
| **I-22** | 61.2 | 11.21.6.4.5.1 | "except that the HE Ranging NDP and HE TB Ranging NDP shall use secure LTF" - remove HE from LTF, but only list HE Ranging NDP? | Change to "except that the I2R NDP and R2I NDP shall use secure LTF" | **Accepted** |
| **I-23** | 62.25 | 11.21.6.4.5.2 | "if the bandwidth is less than or equal to 320 MHz" - that includes everything | Change to "if the bandwidth is less than 320 MHz" | **Accepted** |
| **I-24** | 64.9 | 11.21.6.4.5.2 | "if the bandwidth is less than or equal to 320 MHz" - that includes everything | Change to "if the bandwidth is less than 320 MHz" | **Accepted** |
| **I-28** | 68.13 | 11.21.6.4.5.3 | "if the bandwidth is less than or equal to 320 MHz" - that includes everything | Change to "if the bandwidth is less than 320 MHz" | **Accepted** |

**11.21.6.3.3 Negotiation for TB and non-TB ranging measurement exchange**

1. ***TGbk Editor: Change subclause 11.21.6.3.3 as follows (on page 34, 11bk Draft3.0) do as follows:***

To request a 320 MHz FTM session, an ISTA shall include a 320 MHz Ranging subelement in the Ranging Parameters element in the IFTMR frame and set the Format And Bandwidth subfield to a value of 5 or less. In the subelement:

* The Max R2I NSS field is set to the maximum number of spatial streams the ISTA is capable of receiving in the R2I NDP for a 320 MHz bandwidth minus 1.
* The Max I2R NSS field is set to the maximum number of spatial streams the ISTA is capable of transmitting in the I2R NDP for a 320 MHz bandwidth minus 1.
* The Puncturing Pattern Support field is set to 1 to indicate support of all puncturing patterns, or it is set to 0 to indicate support of only the subset of puncturing patterns defined in Table [11-14aa](#T11o14aa) (Subset of puncturing patterns in 320 MHz Ranging when Puncturing Pattern Support field set to 0).
* The Max R2I Repetition field is set to the maximum number of LTF repetitions it is capable of receiving in the preamble of the R2I NDP for 320 MHz bandwidth minus 1.
* The Max I2R Repetition field is set to the maximum number of LTF repetitions it is capable of transmitting in the preamble of the I2R NDP for 320 MHz bandwidth minus 1.
* The Max R2I LTF Total field is set to indicate the maximum number of LTFs in total it is capable of receiving for 320 MHz bandwidth, including all repetitions, in the R2I NDP.
* The Max I2R LTF Total field is set to indicate the maximum number of LTFs in total it is capable of transmitting for 320 MHz bandwidth, including all repetitions, in the I2R NDP.(#**1163**, #**1124**)