IEEE P802.11  
Wireless LANs

|  |
| --- |
| **LB271 Comment Resolutions for Clause 9.4.1.73** |
| **Date:** 2023-05-02 |
| **Author(s):** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Affiliation** | **Address** | **Phone** | **Email** |
| Dongguk Lim | LG Electronics | 19, Yangjae-daero 11gil, Seocho-gu, Seoul 137-130, Korea |  | dongguk.lim@lge.com |
| Eunsung Park |  | esung.park@lge.com |
| Jinyoung Chun |  | jiny.chun@lge.com |
| Insik Jung |  | insik0618.jung@lge.com |
| Jinsoo Choi |  | js.choi@lge.com |

Abstract

This submission proposes the resolutions for 8 CIDs: 17506, 17507, 17508, 17509, 17510, 17511, 17512, and 17513.

This resolution based on the 11be D3.1.

Revisions:

* Rev 0: Initial version of the document.

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 TGbe D3.1 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe D3.1 Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

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

#### *CID 17506*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 17506 | 9.4.1.73 | 216.05 | "is the arithmetic mean of the SNR in decibels over a 26-tone RU for which the feedback is being requested" is unclear. How can we take the mean over a singular noun? Also, spurious article. | Try "is the arithmetic mean of the SNR in decibels over the subcarriers of a 26-tone RU for which \ feedback is being requested" | Accepted. |

Discussion:



#### *CID 17507*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 17507 | 9.4.1.73 | 216.16 | Sentence at L13 is an unqualified "subroutine call" to table 9-126, but then sentence at L16 makes a modification/qualification. This mix of unqualified and qualified language is unclear. | Try "The EHT CQI Report field has the structure and order defined in Table 9-126 (HE CQI Report information) wherein, for the EHT CQI Report field, Ncqi is the number of RU indices for which the CQI report is sent back to the beamformer" | Accepted |

Discussion:



#### *CID 17508*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 17508 | 9.4.1.73 | 216.17 | "number of 1s from B1 to B8" is unclear since the answer could be interpreted as "1" since "B1" has a 1 but no other bit names do. | Try "number of bits equal to 1 in the bitmap B1 to B8 ..." Ditto L18.5 | Revised.  Agree with the commenter in principle.  Instruction to TGbe Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/23/11-23-0672-01-00be-LB271-CR-for-Clause 9.4.1.73.docx |

Discussion:



***TGbe Editor: please modify the text in P217L25 of 11be D3.1 as follows***

*Ncqi* is the number of RU indices for which the CQI report is sent back to the beamformer. *Ncqi* equals 9 multiplied by the total number of bits equal to 1 from B1 to B8 of the Partial BW Info subfield when B0 is 0 and *Ncqi* equals 18 multiplied by the total number of bits equal to 1 from B1 to B8 of the Partial BW Info subfield when B0 is 1.

#### *CID 17509*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 17509 | 9.4.1.73 | 216.32 | "whose definition is shown in" is a strange xref since "shown" is a weak verb. Also, this is really just an encoding rather than a definition since the table in turn refers to AvgSNR\_k,I which is defined at P216L35 | Try "whose encoding is defined in" | Accepted. |

Discussion:



#### *CID 17510*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 17510 | 9.4.1.73 | 216.38 | Spurious article | Try "for which feedback ...". Ditto P216L38 | Revised  Agree with the commenter in principle.  Instruction to TGbe Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/23/11-23-0672-01-00be-LB271-CR-for-Clause 9.4.1.73.docx |

Discussion:



***TGbe Editor: please change “which the feedback” to “which feedback” in P213L59, P217L13, and P217L47 of 11be D3.1.***

#### *CID 17511*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 17511 | 9.4.1.73 | 216.38 | "in RU index k" is misleading. Here RU is a modifier to "k" and we don't average over subcarriers in k | Try "in the RU with index k" | Rejected.  As shown in table 9-127, k indicates the index of RU to calculate the average SNR over the subcarriers in RU index k. |

Discussion:



#### *CID 17512*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 17512 | 9.4.1.73 | 216.42 | "Padding is not present between per-RU average SNRs of each spatial stream information, even if they correspond to different RUs and spatial streams." calls out "of each spatial stream information" even though there is nothing special about SSs since "even if they correspond to different ... spatial streams" | Try "Padding is not present between the Average SNR for space-time stream i for RU index k subfields in the EHT CQI Report information subfield, even if they correspond to different RUs and spatial streams." | Rejected.  This text indicates that No padding is added between the AvgSNRk,i in the EHT CQI Report information regardless of RU index and SS. And, the suggested text also seems to indicate the same meaning. So, no further change needs. |

Discussion:



#### *CID 17513*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 17513 | 9.4.1.73 | 216.42 | Lowercase "information" is misleading: this is not vague data but a specifically defined subfield | Try "If the size of the EHT CQI report information \*subfield\* is not an integer multiple of 8 bits, up to seven 0s are appended to the end of the \*subfield\* to make \*the field's size\* an integer multiple of 8 bits." | Revised.  This term has been used naturally in 802.11Revme. and, it is better to discuss this issue in the 11Revme for the appling the consistent terminology.  However, to use the constent wording, it can be modified.  Instruction to TGbe Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/23/11-23-0672-01-00be-LB271-CR-for-Clause 9.4.1.73.docx |

Discussion:



***TGbe Editor: please modify the text in P217L53 of 11be D3.1 as follows***

If the size of the unpadded EHT CQI report information is not an integer multiple of 8 bits, up to seven 0s are appended to the end of the unpadded EHT CQI report information to make its size an integer multiple of 8 bits.