IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LB279 Comment Resolution | | | | |
| Date: 2024-03-12 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Niranjan Grandhe | NXP | 350 Holger Way, San Jose, CA |  | [Niranjan.grandhe@nxp.com](mailto:Niranjan.grandhe@nxp.com) |
| Christian Berger |  |  |  | [christian.berger@nxp.com](mailto:christian.berger@nxp.com) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes to address CID 1086,1087,1318, changes are relative to Draft P802.11bk D1.0.

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 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 TGaz 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** |
| **1086** | 85.30 | 36.3.4.1 | "The EHT-LTF field consists of one or more EHT-LTF User Blocks". Refer to NUM\_USERS to clarify relation with number of User Blocks. | See comment | **Revised**  TGbk editor, make the changes identified in document  [https://mentor.ieee.org/802.11/dcn/24/ 11-24-0570-00-00bk-LB279-comment-resolution-clause36\_3\_4.docx](https://mentor.ieee.org/802.11/dcn/24/%2011-24-0570-00-00bk-LB279-comment-resolution-clause36_3_4.docx) |
| **1087** | 86.2 | 36.3.4.1 | "the same EHT-LTF User Block is applied to all  users". This is somewhat confusing. If the number of user blocks is 1, is the number of users also 1? In that case why refer to "all users"? Is NUM\_USERS not the same as "N\_user,r" in EHT? | Clarify | **Revised**  TGbk editor, make the changes identified in document  [https://mentor.ieee.org/802.11/dcn/24/ 11-24-0570-00-00bk-LB279-comment-resolution-clause36\_3\_4.docx](https://mentor.ieee.org/802.11/dcn/24/%2011-24-0570-00-00bk-LB279-comment-resolution-clause36_3_4.docx) |
| **1318** | 85.24 | 36.3.4.1 | "and when the TXVECTOR parameter 25 TX\_WINDOW\_FLAG is set to 1, a frequency domain flat top window is used" needs a comma after the and | As it says in the comment | **Accept**  TGbk editor, make the changes identified in document  [https://mentor.ieee.org/802.11/dcn/24/ 11-24-0570-00-00bk-LB279-comment-resolution-clause36\_3\_4.docx](https://mentor.ieee.org/802.11/dcn/24/%2011-24-0570-00-00bk-LB279-comment-resolution-clause36_3_4.docx) |

1. ***TGbk Editor: Change clause 36.3.4.1 (p.85.30 in 11bk D1.0) as follows:***
2. — Uses EHT-LTF repetitions, if indicated in the TXVECTOR parameter LTF\_REP by values larger than one.
3. — The number of EHT-LTF User Blocks in the EHT-LTF field is equal to the number of Users, TXVECTOR parameter NUM\_USERS. (#1086)
4. — The EHT-LTF field consists of one or more EHT-LTF User Blocks; each EHT-LTF User Block contains one or more EHT-LTF Repetition Blocks, where the number of EHT-LTF Repetition Blocks is equal to LTF\_REP. An EHT-LTF Repetition Block in an EHT-LTF User Block comprises one or more EHT-LTF symbols, 𝑁𝐸𝐻𝑇−𝐿𝑇𝐹, calculated using the number of space- time streams NUM\_STS for this user, as defined in Table 21-13 (Number of VHT-LTFs required for different numbers of space-time streams).
5. ***TGbk Editor: Change clause 36.3.4.1 (p.86.02 in 11bk D1.0) as follows:***
6. When the TXVECTOR parameter SECURE\_LTF\_FLAG is equal to 0, only one EHT-LTF User Block is present. When the TXVECTOR parameter SECURE\_LTF\_FLAG is equal to 1, each EHT-LTF User Block contains EHT-LTF symbols for one user. (#1087)
7. ***TGbk Editor: Change clause 36.3.4.1 (p.85.24 in 11bk D1.0) as follows:***

**36.3.4.1 EHT Ranging NDP**

Secure EHT-LTFs use randomized EHT-LTF sequences, pseudorandom and deterministic per stream phase rotation and, when the TXVECTOR parameter TX\_WINDOW\_FLAG is set to 1, a frequency domain flat top window is used instead of the frequency domain rectangular window; see 36.3.12.10a (EHT-LTF field using secure EHT-LTF). (#1318)