IEEE P802.11  
Wireless LANs

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| [The Comment resolution for 32.3.8.2.4] | | | | |
| Date: 2020-01-11 | | | | |
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Abstract

This submission proposes resolutions for following 6 CIDs: 1027, 1082, 1317, 1539, 1540, and 1778

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Resolution and document link updated
* Rev 2: The Resolution for CID 1317 (green part) is updated.

## CID 1027, 1082, 1317, 1539, 1540, and 1778

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| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 1027 | 64.28 | 32.3.8.2.4 | which one is correct the phrase in 32.3.4.4. step a), stating the SIGNAL field set to 6Mbps, or in 32.3.8.2.4 stating the rate set to 3Mbps? | Clarify the spec | Revised.  The commenter is right.  Since 2x downclocking is used, the Rate field should set to 3Mbps in the 10MHz transmission.  TGbd Editor: Incorporate the changes in https://mentor.ieee.org/802.11/dcn/21/11-21-0024-02-00bd-the-comment-resolution-for-32-3-8-2-4.docx |
| 1082 | 64.28 | 32.3.8.2.4 | In 32.3.4.4. step a), it states that SIGNAL field set to 6Mbps, while in 32.3.8.2.4 it states the rate set to 3Mbps. Which one is correct? | as in comment | Revised.  Agree to the commenter. Since 2x downclocking is used, the Rate field should set to 3Mbps in the 10MHz transmission.  Note to editor :Same resolution for CID 1027 |
| 1317 | 64.36 | 32.3.8.2.4 | In equation (32-8), should a ceiling operator be required for (TXTIME-40)/8 to make sure that its value is an integer? | Add a ceiling operator for (TXTIME-40)/8. | Rejected.  Since the equation for TXTIME as described in eq(32-39) is consist of multiple 8, we don’t need to apply a celling operator in equation 32-8 |
| 1539 | 65.32 | 32.3.8.2.4 | Suggest to change "D\_{k,20}" to "D\_{k,10}" in Equation (32-9) as the BW is 10MHz. Need to make the change thoughout the spec. | As in the comment. | Revised  The commenter is right.  Basically, L-SIG is transmitted by using the 10MHz. so, the indication of 20MHz should be modified with that for 10MHz.  TGbd Editor: Incorporate the changes in https://mentor.ieee.org/802.11/dcn/21/11-21-0024-02-00bd-the-comment-resolution-for-32-3-8-2-4.docx |
| 1540 | 65.25 | 32.3.8.2.4 | Suggest to change "M\_20(k)" to "M\_10(k)" in Equation (32-10) as the BW is 10MHz. Need to make the change thoughout the spec. | As in the comment. | Revised  Agree to the commenter.  Basically, L-SIG is transmitted by using the 10MHz. so, the indication of 20MHz should be modified with that for 10MHz  TGbd Editor: Incorporate the changes in https://mentor.ieee.org/802.11/dcn/21/11-21-0024-02-00bd-the-comment-resolution-for-32-3-8-2-4.docx |
| 1778 | 65.19 | 32.3.8.2.4 | In Equation (32-8), D\_k,20 and M\_20(k) are quite misleading since each duplicated subband is only 10MHz instead of 20MHz as in other 802.11 standards. | Please change D\_k,20 to D\_k,10, and change M\_20(k) to M\_10(k) in all relevant math equations to reflect the subband is 10MHz | Revised  Agree to the commenter.  Basically, L-SIG is transmitted by using the 10MHz. so, the indication of 20MHz should be modified with that for 10MHz  Note to editor :Same resolution for CIDs 1539, 1540 |

### Discussion:

Propose :

***TGbd editor: please modify the sentence of L55, P22 as follows***

a) In a NGV PPDU set the RATE subfield in the SIGNAL field to ~~6~~ 3 Mb/s. Set the Length, Parity, and

Tail bits in the SIGNAL field as described in Clause 32.3.8.2.4 (L-SIG definition). (#1027, #1082)

Propose :

***TGbd editor: please modify the equation (32-9) and (32-10) as follows***

…

The time domain waveform of the L-SIG field shall be as given by Equation (32-9).

(32-9) (#1539, #1778, and #1114)

Where

(33-x5) (#1539, #1778)

(32-10) (#1540, #1778)

**References:**

**[1] 802.11bd\_D1.0**