IEEE P802.11  
Wireless LANs

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| CR for PHY related comments | | | | |
| Date: 2019-08-19 | | | | |
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Abstract

This submission addresses the following LB240 CIDs: 2499, 2435, and 2436.

* r4 update CR based on draft 1.4

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| CID | Page | Clause | Comment | Proposed Change | Resolution |
| 2499 | 152 | 28.3.19a | Please specify the number of HE-LTF symbols when the TXVECTOR parameter LTF\_SEQUENCE is present. | as in the comment | Revised  TGaz editor makes changes as specified in 11-19/1438r0 for CID 2499. |

*TGaz Editor: please revise the second paragraph on page 193 of section 27.3.17a HE Ranging NDP of 11az D1.4 as below:*



















When the TXVECTOR parameter LTF\_SEQUENCE is present, Secure HE-LTFs as defined in Section 28.3.17dare used and the Packet Extension field will be partially replaced by a zero power GI in its first 0.8 μs or 1.6 μs, depending on the TXVECTOR parameter GI\_TYPE, see Figure 28-52c (HE Ranging NDP format with Secure HE-LTFs). The total number of HE-LTF symbols is the product of the number of LTF repetitions LTF\_REP and *NHE-LTF*, the number of HE-LTF based on the number of space-time streams *NSTS*, as defined in Table 4 21-13 (Number of VHT-LTFs required for different numbers of space-time streams). (#2499)

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| CID | Page | Clause | Comment | Proposed Change | Resolution |
| 2435 | 52 | 9.4.2.279 | It is hard to understand. Make the figure readable. Clarify where the description is pointing. Add detailed description in the body text to help understand the figure. | as in the comment | Revised  The definitions of the figure is clear and accurate and it’s better to zoom in the figure for a better readability. The description text are revised for clarity.  TGaz editor makes changes as specified in 11-19/1438r0 for CID 2435. |
| 2436 | 52 | 9.4.2.279 | It is hard to understand. Make the figure readable. Clarify where the description is pointing. Add detailed description in the body text to help understand the figure. | as in the comment | Revised  The definitions of the figure is clear and accurate and it’s better to zoom in the figure for a better readability. The description text are revised for clarity.  TGaz editor makes changes as specified in 11-19/1438r0 for CID 2436. |

*TGaz Editor: please revise the lines 12-18 on page 72 of 11az draft 1.4 as below*

Figure 9-1009a, 9-1010 and 9-1011 together show an example of how an RSTA can assign an availability window from the received Availability Window element of the ISTA. Figure 9-1009a shows the bitmap in the ISTA Availability Information field of the ISTA Availability Window element included with an IFTMR. The bitmap has periodicity of 200 TUs and the RSTA Beacon Interval is 100 TUs. Figure 9-1010 shows how the RSTA calculates ISTA’s periodic availability from this bitmap relative to RSTA TSF. Finally, Figure 9-1011 shows how the RSTA constructs an availability window with the periodicity of 200 TUs requested by the ISTA and with a window duration of 10 TUs. The shaded region indicates the location of the assigned availability windows. (#2435, #2436)

*TGaz Editor: please revise the lines 2-4 on page 65 of 11az draft 1.4 as below*

The Partial TSF Timer subfield is derived as described in 9.4.2.167 (Fine Timing Measurement Parameter element) and indicates the TSF timer of the RSTA at the start of first availability window. (#2435, #2436)