IEEE P802.11  
Wireless LANs

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| Resolution for 18 CIDs related to TGaz LB255 | | | | |
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Abstract

This document proposes resolution for CID6058, CID6059, CID6060, CID6061, CID6062, CID6063, CID6064, CID6065, CID6066, CID6067, CID6068, CID6070, CID6071, CID6072, CID6073, CID6074, CID6075, and CID6076.

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| **CID** | **Page** | **Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 6058 | 250.00 | 37 | 27.4.3 | T\_{HE\_PREAMBLE} is defined in REVme D0.2 Equation (27-121), and includes "N\_{HE-LTF} T\_{HE-LTF-SYM}".  Hence, the equations for TXTIME at 11az D4.0 P250 L37 and L40 are double counting the HE-LTF duration for the first repetition of the first user twice.  This leads to incorrect L-SIG Length field value. | Fix the TXTIME equations to not double count the HE-LTF duration for the first repetition of the first user. | Reject.  Commenter withdrew the comment |
| 6059 | 152.00 | 15 | 11.21.6.4.3.2 | The text in Figure 11-37d states "two HE MU PPDUs in spatial domain (I2R NDP)". But I am not aware of any Ranging NDP using HE MU PPDU. | Clarify what an I2R NDP using HE MU PPDU is. | Reject.  Commenter withdrew the comment |
| 6060 | 229.00 | 12 | 26.16 | 11az D4.0 P236L28-31 states that the NSTS And Mid-amble Periodicity field of the HE-SIG-A1 is encoded based on either the TXVECTOR parameter NUM\_STS[1] or NUM\_STS. However, the NSTS And Mid-amble Periodicity field of the HE-SIG-A1 has two way of encoding, one when Doppler=0 and another when Doppler=1. It needs to be clarified which mode the encoding should use for Ranging NDp. | Add subclause 26.16 (Midamble parameter setting rules) to the 11az draft, and add language effectively stating that the TXVECTOR parameter DOPPLER shall be set to 0 when transmitting a Ranging NDP. | Reject.  Commenter withdrew the comment |
| 6061 | 231.00 | 2 | 27.2.2 | Condition for the PSDU\_LENGTH is not fully shown. | State the full "Condition" for the PSDU\_LENGTH parameter. | Reject.  Commenter withdrew the comment |
| 6062 | 232.00 |  | 27.2.2 | Is the value of LTF\_REP common to all users? If not, need to create a new 'answer' other than Y/N/MU (MU-O?) which indicates that LTF\_REP has value for each user in case of 'multiple user' transmissions'. | Create a new 'answer' other than Y/N/MU (MU-O?) to indicates that LTF\_REP has value for each user in case of 'multiple user' transmissions'. | Reject.  Commenter withdrew the comment |
| 6063 | 232.00 |  | 27.2.2 | TX/RXVECTOR parameter "RANGING\_F" is not used anywhere in 11az D4.0. | Fix the name "RANGING\_F". | Reject.  Commenter withdrew the comment |
| 6064 | 233.00 |  | 27.2.2 | For secure ranging, shouldn't the parameter NUM\_USERS be always present, even if to indicate '1 user'? | Change "O" to "Y" in the row of "NUM\_USERS" | Reject.  Commenter withdrew the comment |
| 6065 | 48.00 | 5 | 9.3.1.22.1 | For 2xHE-LTF + 1.6 us GI, there are two types of MU-MIMO HE-LTF modes allowed in general - the HE single stream pilot HE-LTF mode and the HE masked HE-LTF sequence mode. There is no need for the HE Ranging TB NDP to support both modes. | Add a phrase indicating that when the Trigger frame has Trigger Type equal to Ranging, then the MU-MIMO HE-LTF Mode field in the Common Info field is set to the HE single stream pilot HE-LTF mode. | Reject.  Commenter withdrew the comment |
| 6066 | 239.00 | 24 | 27.3.18a.2 | For 2xHE-LTF + 1.6 us GI, there are two types of MU-MIMO HE-LTF modes allowed in general - the HE single stream pilot HE-LTF mode and the HE masked HE-LTF sequence mode. There is no need for the HE Ranging TB NDP to support both modes. | State that only the HE single stream pilot HE-LTF mode is allowed. | Reject.  Commenter withdrew the comment |
| 6067 | 246.00 | 3 | 27.3.18a.4 | IEEE 802.11 uses "w" to represent the time domain windowing function. Hence, choose a different function name to represent the frequency domain windowing function to avoid confusion. | Choose a different function name to represent the frequency domain windowing function. | Reject.  Commenter withdrew the comment |
| 6068 | 247.00 | 6 | 27.3.18a.4 | 27.3.9 and 27.3.11 do not cover the secure ranging scenarios. | Delete "Refer to 27.3.9 and 27.3.11 for details." | Reject.  Commenter withdrew the comment |
| 6070 | 250.00 | 42 | 27.4.3 | 27.3.18a does not have "N\_{LTF-REP}". | Change "L\_{LTF-REP} is defined in 27.3.18a" to "L\_{LTF-REP} is indicated by the TXVECTOR parameter LTF\_REP. | Reject.  Commenter withdrew the comment |
| 6071 | 264.00 |  | B.4 | TB measurement sequence is not mandatory for HE STA | Change "CFHE:M" to "CFHE:O" in the NGPM2.1 row. | Reject.  Commenter withdrew the comment |
| 6072 | 264.00 |  | B.4 | Protected LMR exchange in TB ranging exchange is not mandatory for HE STAs. | Change "CFHE:M" to "CFHE:O" in the NGPM2.2 row. | Reject.  Commenter withdrew the comment |
| 6073 | 265.00 |  | B.4 | SAC exchange for TB operation is not mandatory for HE STAs. | Change "CFHE:M" to "CFHE:O" in the NGPM3.1 row. | Reject.  Commenter withdrew the comment |
| 6074 | 265.00 |  | B.4 | Non-TB ranging exchange is not mandatory for HE STAs. | Change "CFHE:M" to "CFHE:O" in the NGPM4.1 row. | Reject.  Commenter withdrew the comment |
| 6075 | 265.00 |  | B.4 | Protected LMR exchange in non-TB ranging exchange is not mandatory for HE STAs. | Change "CFHE:M" to "CFHE:O" in the NGPM4.2 row. | Reject.  Commenter withdrew the comment |
| 6076 | 265.00 |  | B.4 | SAC exchange for non-TB ranging operation is not mandatory HE STAs | Change "CFHE:M" to "CFHE:O" in the NGPM4.3 row. | Reject.  Commenter withdrew the comment |

**References:**

**[1] Draft P802.11az\_D4.0**