IEEE P802.11
Wireless LANs

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| CR for PHY Related Topics |
| Date: 2018-11-12 |
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Abstract

This submission addresses the following CIDs from TGaz CC28 and based on TGaz draft 0.5:

CID 472, 473, 474, and 545.

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| CID | Page | Clause  | Comment | Proposed Change | Resolution |
| 472 | 88 | 28.3.17a | Need math formulas to illustrate how to generate HEz-LTF sequence based on LTF\_SEQUENCE in TXVECTOR. | N/A | The derivation of the random HEz-LTF sequence based on SAC is already defined in 28.3.17c Generation of Secure LTF Symbol of TGaz draft 0.5. |
| 473 | 89 | 28.3.17a | On Figure 28-aa and Figure 28-bb: inconsistency on terminology "zero power GI" and "zero GI". | N/A | Revised accordingly. |
| 474 | 101 | 28.3.17c | It is not specified yet how to get 4P+1 bits based on SAC in 9.3.1.20, wrong reference? | N/A | Revised and the generation of the random bits based on SAC is defiend in 11.22.6.3.2 Secure LTF measurement setup of TGaz draft 0.5, and the referecen is updated accordingly.  |
| 545 | 98 | 28.2.3a | "The LTFVECTOR is carried in a PHY-RXLTFSEQUENCE.request for PHY of AP to receive the secure HEz sounding NDP PPDU."The LTFVECTOR parameter is also used by the non-AP STA. | As in comment | Updated and changed to “The LTFVECTOR is carried in a PHY-RXLTFSEQUENCE.request of the RSTA or ISTA PHY to receive the secure HEz sounding NDP PPDU” |

**Proposed Changes**

*TGaz Editor: please update the figure 28-bb in section 28.3.17a with the following figure.*



Fig. 28-bb HEz SU sounding NDP PPDU with *NLTF* HEz-LTF fields

*TGaz Editor: please change the first paragraph of section 28.3.17c as below:*

When the TXVECTOR parameter LTF\_SEQUENCE is present, each sounding symbol of the HEz LTF field shall be generated from $4P+3 $input bits denoted by $b\_{i}$ for $i=0, …,4P+2$, which are derived from a corresponding SAC specified in subclause 11.22.6.3.2. The generation process is shown in Figure 28-aa.

*TGaz Editor: please change the first paragraph of section 28.2.3a as below:*

The LTFVECTOR is carried in a PHY-RXLTFSEQUENCE.request for the RSTA or ISTA PHY to receive the secure HEz sounding NDP PPDU. The parameters in Table 28-2a (LTFVECTOR parameters) are defined as part of the LTFVECTOR parameter list in the PHY-RXLTFSEQUENCE.request primitive.