IEEE P802.11
Wireless LANs

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| **Proposed Fix to PHY Reference in Trigger Frame** |
| **Date:** 2016-10-25 |

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Abstract

This submission proposes a fix in TGax D0.5 where a PHY parameter is referred to in the common info field of the Trigger frame. The resolution to CID 2113 will be updated by this fix.

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 TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGax Editor: Editing instructions preceded by “TGax Editor” are instructions to the TGax editor to modify existing material in the TGax draft. As a result of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.***

**Discussion**

Starting from p.33 l.20 of TGax D0.5, just after Table 9-25d, there is the following paragraph:

“The Number of HE-LTFs subfield of the Common Info field indicates the number of HE-LTF symbols present in the HE trigger-based PPDU response. The number of HE-LTF symbols is a function of the total number of space-time streams. The number of HE-LTF subfield encoding is defined in Table 22-13.”

This paragraph is intended to describe the Number Of HE-LTF Symbols subfield in the Common Info field of the Trigger frame. See below.



So, the subfield name is “Number Of HE-LTF Symbols” but not “Number of HE-LTFs”.

Also, Table 22-13 is according to encoding of B0-B1 (BW) in TVHT-SIG-A1, which appears in subclause 22.3.8.3.3 of REVmc, and absolutely not for the encoding of the Number Of HE-LTF Symbols subfield. The table to be referred to should be Table 26-17, HE-SIG-A field of an HE MU PPDU. More precisely, B8-10 in HE-SIG-A2 where encoding of the Number of HE-LTF Symbols is defined should be referred to. See below.



**Proposed Change**

TGax Editor: Change the paragraph starting from "The Number of HE-LTFs subfield …" in 9.3.1.23 of TGax D0.5 as follows:

The Number Of HE-LTF Symbols subfield of the Common Info field indicates the number of HE-LTF symbols present in the HE trigger-based PPDU response. The number of HE-LTF symbols is a function of the total number of space-time streams. Encoding of the Number Of HE-LTF Symbols subfield is the same with that of the Number of HE-LTF Symbols in HE-SIG-A2, which is defined in Table 26-17.

**Update to CID 2113 Resolution**

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| **CID** | **Commenter** | **PP.LL** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 2113 | Sriram Venkateswaran | 20.07 | 9.3.1.23 | Missing elements from Common Info Field | Add:- A factor- Padding disambiguation bit- Number of HE-LTF- Pilot mode for HE-LTF: SSP or Masking | REVISED (MAC: 2016-07-29 19:48:12Z) - This information is included in the Packet extension f [Ad hoc db editor: Apply the changes listed under this CID in 11-16/0780r1.]Also apply the changes made in 11-16/1346.  |

**Reference**

1. IEEE P802.11ax™/D0.5
2. IEEE P802.11-REVmc™/D8.0