IEEE P802.11  
Wireless LANs

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| Comment Resolutions on Clause 28.3.3 (OFDMA and SU Tone Allocation) | | | | |
| Date: 2018-03-05 | | | | |
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Abstract

This submission proposes resolutions for the following 2 comments on Clause 28.3.3 of TGax D2.0:

13630, 14051

Revisions:

* Rev 0: Initial version of the document.

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.***

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| **CID** | **Clause Number** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 13630 | 28.3.3.3 | 365.6 | In case of mixed RUs transmissions, for example mixed 26 and 106 tone RUs in 20Mhz, indicating null subcarrier index may bring some confusion. Need some clarification text. | Add a note: "Unless null subcarrier index is occupied by allocated resource unit, there are zero energy in null subcarrier index." | Rejected—  The 106 RU does not have any null subcarrier in 20 MHz, but only 26 and/or 52 RU has, according to Table 28-9, so the Table 28-9 is clear enough. No need to have extra statements. |
| 14051 | 28.3.3.4 | 365.36 | There are only three LTF types - 1x, 2x and 4x. "Except 1x and 2x" is just 4x. | Change "same, except for the 1x HE-LTF and 2x HE-LTF." to "same for the 4x HE-LTF." | Revised—  Proposed resolution accounts for the suggested change.  TGax Editor to make the changes shown in IEEE 802.11-18/0349r0 under the tag with CID 14051. |

***TGax Editor: Please edit D2.1, Pg 367, ln 34 - 41 in section 28.3.3.4 as follows:***

If pilot subcarriers are present in the HE-LTF field of an HE SU PPDU, HE MU PPDU, HE ER SU PPDU, or HE TB PPDU, the pilot subcarrier locations in the HE-LTF field and Data field shall be the same as 4x HE-LTF. (#14051) ~~, except for the 1x HE-LTF and 2x HE-LTF.~~ In a 1x HE-LTF, the pilot subcarrier locations in the HE-LTF only consist of the pilot subcarriers for the Data field that are multiples of four. If pilot subcarriers are present in a 2x HE-LTF, then their locations shall be the same as those pilots in a 4x data symbol. All pilot subcarriers are at the even indices enumerated in Table 28-10 (Pilot subcarrier indices).

**References:**

1. **IEEE P802.11axTM/D2.1, Jan 2018.**