IEEE P802.11
Wireless LANs

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| CRs on Clause 28.3.3.2 |
| Date: 2017-08-28 |
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Abstract

This submission proposes resolutions for comments of TGax Draft 1.4 with the following CIDs:

CID 4970, 7238, 7239, 7240, 8604, 9148, 9149, 9150, 9793, 9091, 7855, 9084

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: add two CIDs
* Rev 2: modify figure 28-7

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 | Commenter | P.L | Clause | Comment | Proposed Change | Resolution |
| 4970 | Brian Hart | 233.08 | 28.3.3.2 | RUs are not labelled. Helpful especially for 20M only STAs | Also P234L7, P232L16. Add "RU0, RU1 ..." above each RU matching tables 28-3..-5 | Rejected-Not quite necessary and maybe confusing since the figure doesn’t have frequency index |
| 7238 | KE YAO | 232.34 | 28.3.3.2 | 242-tone RU can be allocated to both SU and MU-MIMO, not only SU | remove 'SU' | Revised – As proposed change.TGax editor to make the changes shown in 11-17/1306r2 under all headings that include CID 7238. |
| 7239 | KE YAO | 233.26 | 28.3.3.2 | 484-tone RU can be allocated to both SU and MU-MIMO, not only SU | remove 'SU' | Revised – As proposed change.TGax editor to make the changes shown in 11-17/1306r2 under all headings that include CID 7239. |
| 7240 | KE YAO | 234.30 | 28.3.3.2 | 996-tone RU can be allocated to both SU and MU-MIMO, not only SU | remove 'SU' | Revised – As proposed change.TGax editor to make the changes shown in 11-17/1306r2 under all headings that include CID 7240. |
| 8604 | Sigurd Schelstraete | 233.24 | 28.3.3.2 | Figure 28-3 does not show the number of DC carriers for the first four rows, unlike figures 28-2 and 28-4 | Add number of DC carriers to figure | Rejected-The number of DC is the same for 484tone RU regardless of the number of RUs in a PPDU. Also the text is clear. |
| 9148 | SUNGEUN LEE | 232.34 | 28.3.3.2 | 242-tone in a 20MHz HE PPDU can be used for MU, therefore SU text for 242-tone in Figure 28-2 is not appropriate | Remove SU text in Figure 28-2 | Revised – Resolved in CID 7238 |
| 9149 | SUNGEUN LEE | 233.27 | 28.3.3.2 | 484-tone in a 40MHz HE PPDU can be used for MU, therefore SU text for 484-tone in Figure 28-3 is not appropriate | Remove SU text in Figure 28-3 | Revised – Resolved in CID 7239 |
| 9150 | SUNGEUN LEE | 234.30 | 28.3.3.2 | 996-tone in a 80MHz HE PPDU can be used for MU, therefore SU text for 996-tone in Figure 28-4 is not appropriate | Remove SU text in Figure 28-4 | Revised – Resolved in CID 7240 |
| 9793 | Youhan Kim | 232.17 | 28.3.3.2 | What do the numbers "13" represent in Figures 28-2 and 28-4? In general, Figures 28-2~4 are not easy to understand for a first time reader. | Update figures 28-2~4 to be more readable. | Revised-Resolved in CID 7238~CID 7240 (figures update) |
| 7855 | Mark RISON | 247.09 | 28.3.5 | In Figure 28-15, each user's processing, CSD is included; is CSD per user procesing or per PPDU? If it is per PPDU, during per user processing, the frequency/spatial allcoation is not done and how the CSD can be carried out without frequency/spatial information? | Move CSD to outside per-user | Rejected-Per SS CSD is applied per stream. The CSD operation in the figure is correct. |
| 9084 | Sriram Venkateswaran | 247.07 | 28.3.5 | It is preferred to add a new transmitter block diagram for the Data field of an HE downlink MU OFDMA transmission (possibly with a mixture of OFDMA RU and MU-MIMO RU, LDPC/BCC) | add a new transmitter block diagram for DL-MU OFDMA | Rejected-Not necessary since both DLMUMIMO and OFDMA are presented already. |
| 9091 | Sriram Venkateswaran | 368.00 | 28.3.20 | m factor computation check is swapped between the two branches ( eg Len\_mod\_3=1 is MU/RE but is shows as Len\_mod\_3=2 is MU/RE. | Change the diagram to correctly reflect m factor computation check | Rejected-The diagram is consistent with the LENGTH field setting in the L-SIG |

**Proposed change:** Revised for CID 9148, 9149, 9150, 9793, 7238, 7239, 7240 per editing instructions in 11-17/1306r2.

*To the TGax Editor: Replace Figure 28-5, Figure 28-6, Figure 28-7 in clause 28.3.3.2 with the figures bellow.*



**Figure 28-5—RU locations in a 20 MHz HE PPDU.**



**Figure 28-6—RU locations in a 40 MHz HE PPDU.**



**Figure 28-7—RU locations in a 80 MHz HE PPDU.**