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**IEEE P802.11  
Wireless LANs**

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**Comment Resolutions on Clause 28.3.10.8.1**

**Date:** 2017-03-8

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**Abstract**

This submission proposes resolutions for the following comments on 28.3.10.8.1 of TGax D1.0:

4918, 5264, 6117, 8935, 8936, 10062

This resolution is made based on the TGax Draft 1.1

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.*

CID	Clause Number	P.L	Comment	Proposed Change	Resolution
4918	28.3.10.8 .1	286.07	Figure is too small to read	Increase size of figure and text. Ditto figures on P286-288. Also, the curved arrows are quite unclear and seem to hide each other. What are they doing? Many seem to be missing - add	Revised  TGax Editor : make the changes shown in 11-17/299r0
6117	28.3.10. 8.1	286.05	Replace the figure with a high resolution one	As in comment	Revised  TGax Editor : make the changes shown in 11-17/299r0
8936	28.3.10. 8.1	286.06	Figure is hard to read	Replace with better illustration of HE-SIG-B field	Revised  TGax Editor : make the changes shown in 11-17/299r0
1006 2	28.3.10. 8.1	286.13	Figure 26-20 shows BCC block, which does not exist in the draft specification any more.	1 BCC Block in Common Field needs to be changed Common Block Field. 1 BCC Bloc in User Specific Field needs to be changed as 1 User Block Field.	Revised  TGax Editor : make the changes shown in 11-17/299r0

**Discussion**

As mentioned with multiple CIDs (i.e. 4918, 6117, 8936, 10062), the representation of figure 28-20 is not accurate and it does not apply the correct terminology. So, for the clarification of HE-SIG-B field encoding structure, it should be corrected. And, the terminology of HE-SIG-B field defined in 11-17/xxxxr0 is applied.

**Changes to subclause 28.3.13.8.1 related to CIDS: 4918, 6117, 8936, 10062**

**TGax Editor: Please replace the figure 28-20 in P294L5 of D1.1 as the proposed following figure.**

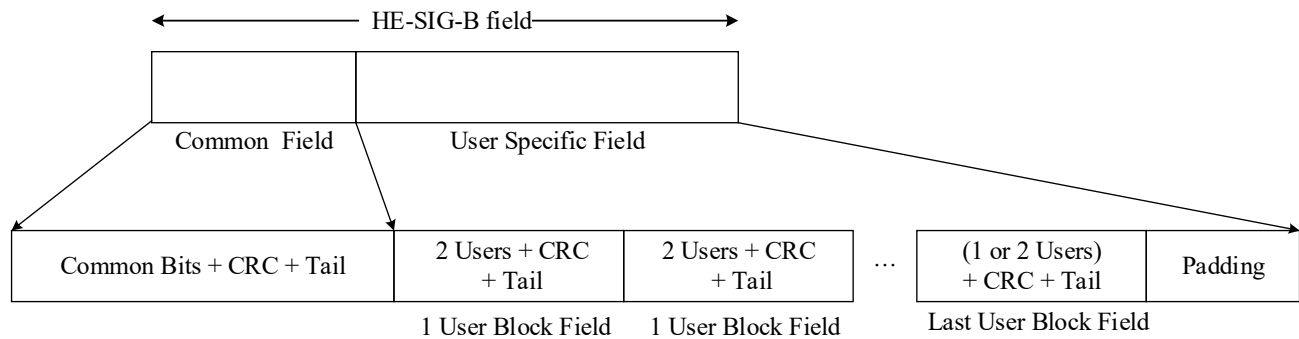


Figure 28-20 HE-SIG-B field encoding structure in each 20 MHz

CID	Clause Number	P.L	Comment	Proposed Change	Resolution
5264	28.3.10.8.1	286.00	Regarding "Each User Block field is made up of two user fields", is it allowed to use the HE MU PDU for a single user? If so, this statement is incorrect. Please clarify.	as in comment	Revised  TGax Editor : make the changes shown in 11-17/299r0
8935	28.3.10.8.1	285.60	"The HE-SIG-B field is separately encoded on each 20 MHz band." This is not correct.	Replace with a better description, i.e.: two content channels repeated over up to eight 20 MHz subbands. This would be a good place to introduce the concept of content channels BTW.	Rejected

**Discussion**

**CID 5264**

Agree in principle with the commenter. The current text described that the User Block field consists of 2 User field except the last user block field. But, as described in P294L34, the HE-MU PDU can be used for single user and then the HE-SIG-B field only include the one User field. So, it is proper to add the description to clarify after related description.

**CID8935**

As in comment, in the larger bandwidth than 20MHz (i.e. 40MHz, 80MHz, 160MHz), two content channel of HE-SIG-B is duplicated per 40MHz channel and each content channel is separately encoded per 20MHz band. Here, the proposed change does not consider the case of one content channel of HE-SIG-B in 20MHz. And it is described well on clause 28.3.10.8.2. So, it does not need the additional description about it,

**Changes to subclause 28.3.10.8.1 related to CIDS: 5264**

**TGax Editor: Please add the underlined texts on page 294 line 37 of D1.1 as following:**

When the SIGB Compression field in the HE-SIG-A field of an HE MU PDU is set to 1 (indicating full bandwidth MU-MIMO transmission) and the Number Of HE-SIG-B Symbols Or MU-MIMO Users field in the HE-SIG-A field of an HE MU PDU is set to 0 (indicating 1 MU-MIMO user), the User Specific field in the HE-SIG-B field consists of a single User Block field containing one User field for a non-MU-MIMO allocation as shown in Table 28-22 (Fields of the User field for a non-MU-MIMO allocation).

**References:**

1. IEEE P802.11ax™/D1.1, Feb 2017.