IEEE P802.11
Wireless LANs

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| Comment Resolution on cid 13082, 13083 and 14141 |
| Date: 2018-02-22 |
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Abstract

This submission proposes resolutions of comments received from TGax comment collection (TGax Draft 2.0).

* CIDs:13082, 13083, 14141

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 | Page Number | Line Number | Comment | Proposed Change | Resolution |
| 13082 | 91 | 27 | When the value of the AID12 field is 0 or 2045, then the RU Allocation subfield indicates the first RU of one or more contiguous random access RUs. If there are more than one random access RUs, the sizes of all random access RUs are the same and equal to the size of the first RU. Further all the subfields of the User Info field apply to all the random access RUs.A user Info field allocates only ONE RU ? Allocate multiple RU with only one user info field implies that all random access RU have the same properties. Give different properties allows increasing the efficiency of random access by decreasing the number of eligible RUs for STAs. | Remove the following words "more contiguous" | Rejected.Allocating multiple RA RUs with one user info field does not prevent the AP from allocating RA RUs with different properties.If the AP wants to allocate some RA RUs with different properties, it can put multiple user info fields in the Trigger frame, each user info field can allocate one or more contiguous RA RUs, and the properties of the RA RUs allocated by different user info fields can be different. |
| 13083 | 92 | 26 | "The Random Access RU Number subfield indicates the number of contiguous RUs allocated for UORA.The value of the Random Access RU Number subfield is equal to the number of contiguous random accessRUs minus one."Define random access Rus with the same properties is not appropriate to optimize random access procedure. Moreover contiguous random access RUs implies that several RUs can remain empty. It is impossible in that case to ensure sufficient signal strength in a 20MHz sub-channel. It becomes impossible to decode the HE TB PPDU in that case. | Remove the feature "Random Access RU Number" | Rejected.The properties of different RA RUs can be different. Just use different user info fields to allocate them. |
| 14141 | 91 | 27 | RU Allocatoin/Random Access RU Information subfield is the correct name in User Info field of the Trigger frame. RU Allocation subfield -> RU Allocatoin/Random Access RU Information subfield | as in comment | Rejected.The “Random Access RU Information” reuses the 6 bits of the “SS Allocation” when the AID12 sub-field is 0 or 2045, but the “RU Allocation” sub-field is the same, i.e., the location of the RU, or the location of the first RU of one or more contiguous RA RUs.  |

Discussion:

The commenters miss the possibility that the AP can put multiple user info fields in the Trigger frame to allocate multiple RA RUs with different properties. Hence, nothing needs to be changed.