IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Service Field –26.3.10.3 | | | | |
| Date: 2016-04-17 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Ming Gan | Huawei | F1-17, Huawei Base, Bantian, Shenzhen |  | ming.gan@huawei.com |

Abstract

This submission proposes resolutions for multiple comments related to TGax D0.1 with the following CIDs (**2 CIDs**):

* 327 2442

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** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 327 | Bin Tian | 136.14 | the usage of B8-B15 in service field is not decided yet. | put "TBD" in this part | Rejected-  The reason is that  the commenter failed to provide a specific replacement for the current setting of the reserved bits |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 2442 | Yongho  Seok | 136.17 | The description for the scrambler of HE PPDU is missing.  Especially, in the case of 26-subcarrier RUs, the DATA fields for MAC header is almost duplicated.  If the initial states of the scramblers for 26-subcarrier RUs are same, the PAPR of the DATA fields can be significantly high.  Similar to the following scrambler rule of VHT PPDU,  "...Different users in a VHT MU PPDU may use different pseudorandom nonzero seeds.  Define the scrambler of HE PPDU as the following by making a new sub-clause 26.3.10.3a:  "26.3.10.3a Scrambler  The SERVICE, PSDU, and PHY pad parts of the Data field shall be scrambled by the scrambler defined in 17.3.5.5 (PHY DATA scrambler and descrambler). The Clause 17 (Orthogonal frequency division multiplexing (OFDM) PHY specification) TXVECTOR parameters CH\_BANDWIDTH\_IN\_NON\_HT and DYN\_BANDWIDTH\_IN\_NON\_HT are not present; therefore, the initial state of the scrambler is set to a pseudorandom nonzero seed. Different users in a HE DL MU should use different pseudorandom nonzero seeds." | As per comment | Revised-  Agree in principle with the comment. The proposed resolution accounts for the suggested change.  TGax editor to make the changes shown in 11-16/0942r0 under all headings that include CID 2442. |

**Discussion: *…***

**TGax Editor: *Insert a new paragraph in this subclause as follows (#CID 2442):***

**26.3.10.3.1 Scrambler**

The SERVICE, PSDU, and PHY pad parts of the Data field shall be scrambled by the scrambler defined in 18.3.5.5 (PHY DATA scrambler and descrambler). The Clause 18 (Orthogonal frequency division multiplexing (OFDM) PHY specification) TXVECTOR parameters CH\_BANDWIDTH\_IN\_NON\_HT and DYN\_BANDWIDTH\_IN\_NON\_HT are not present; therefore, the initial state of the scrambler is set to a pseudorandom nonzero seed. Different users in a DL HE MU PPDU may use different pseudorandom nonzero seeds.