IEEE P802.11
Wireless LANs

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| Segment Parser CR on P802.11be D0.4 – part 2 |
| Date: 2021.03.22 |
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This submission shows

* Resolution for a comment received from TGbe comment collection (TGbe Draft D0.3)
* The proposed changes are based on 11be D0.4.

The submission provides resolutions to CIDs 1411 and 1953.

## CID 1411

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Page.Line | Clause Number | Comment | Proposed Change | Resolution |
| 295.22 | 36.3.12 | number of left over bits when DCM is enabled | The number of left over bits on RU996 is not indicated when DCM is used, we may change 44\*Nbpscs to NleftoverBlock\*Nbpscs and define NleftoverBlock as 44 when DCM is not used and 22 when DCM is enabled Note: Single spatial stream EHT-MCS15 (transmit and receive) in 52+26-, 106+26-, 484+242-,996+484-, 996+484+242, and 3\*996-tone MRU (page 154, line, 63, so if DCM shall not be used in punctured MRUs need to delete them from page 154, line 63). Consider P295L22-46 and P296L1,35,37 | Revised1. The parameters for DCM is provided;
2. According to Motion 137, #SP279, DCM is optionally supported in 52+26, 106+26, 484+242, 996+484, 996+484+242, and 3×996, and not supported in MRU 2×996+484, 3×996+484. Thus, no changes are needed for page 154, line 63.

**Instructions to the editor****Please make the changes as shown in 11/21-0xxxr0**Note to the editor: The resolutions for CID 1411 and CID 1953 are the same. |

## CID 1953

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Page.Line | Clause Number | Comment | Proposed Change | Resolution |
| 295.17 | 36.3.12.5 | The parameters for DCM case is missing | Add the missing parameters | RevisedAgreed in principle. Reflect the detailed explanation.**Instructions to the editor****Please make the changes as shown in 11/21-0xxxr0**Note to the editor: The resolutions for CID 1411 and CID 1953 are the same. |

Instructions to the editor:

By supplementing the parameters for DCM, part of Table 36-37 of P802.11be D0.3 or Table 36-47 of P802.11be D0.4 is revised as follows:

**Table 36-47—Proportional round robin segment parser parameters**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **MRU** | **RU order****(low to high frequency)** | **Is DCM used?** | *Nsd* *total* | **Proportional ratio***m*0:*m*1:*m*2:*m*3 | **Leftover bits (on RU996)** |
| 484+996 | 484+996 | No | 1 448 | 1*s*:2*s* | 44  *Nbpscs* |
| Yes | 724 | 22  *Nbpscs* |
| 996+484 | No | 1 448 | 2*s*:1*s* | 44  *Nbpscs* |
| Yes | 724 | 22  *Nbpscs* |
| (242+484)+996 | (242+484)+996 | No | 1 682 | 3*s*:4*s* | 44  *Nbpscs* |
| Yes | 841 | 22  *Nbpscs* |
| 996+(242+484) | No | 1 682 | 4*s*:3*s* | 44  *Nbpscs* |
| Yes | 841 | 22  *Nbpscs* |
| 484+2996 | 484+996+996 | No | 2 428 | 1*s*:2*s*:2*s* | 44  *Nbpscs* |
| 996+484+996 | No | 2 428 | 2*s*:1*s*:2*s* | 44  *Nbpscs* |
| 996+996+484 | No | 2 428 | 2*s*:2*s*:1*s* | 44  *Nbpscs* |
| 484+3996 | 484+996+996+996 | No | 3 408 | 1*s*:2*s*:2*s*:2*s* | 44  *Nbpscs* |
| 996+484+996+996 | No | 3 408 | 2*s*:1*s*:2*s*:2*s* | 44  *Nbpscs* |
| 996+996+484+996 | No | 3 408 | 2*s*:2*s*:1*s*:2*s* | 44  *Nbpscs* |
| 996+996+996+484 | No | 3 408 | 2*s*:2*s*:2*s*:1*s* | 44  *Nbpscs* |
| 2996 | 996+996 | No | 1 960 | 1*s*:1*s* | 0 |
| Yes | 980 |
| 3996 | 996+996+996 | No | 2 940 | 1*s*:1*s*:1*s* | 0 |
| Yes | 1470 |
| 4996 | 996+996+996+996 | No | 3 920 | 1*s*:1*s*:1*s*:1*s* | 0 |
| Yes | 1960 |

The DCM parameters are also supplemented in the explanation part,

* In Line 1, Page 296 of P802.11be D0.3 or Line 55, Page 399 of P802.11be D0.4,

 *k* = 0 1  *Ncbpss* *l* *u* – *nl*  44  *Nbpscs* *l* *u* – 1when DCM is not used and *k* = 0 1 

 *Ncbpss* *l* *u* – *nl*  22  *Nbpscs* *l* *u* – 1 when DCM is used.

* In Line 35, Page 296 of P802.11be D0.3 or Line 26, Page 400 of P802.11be D0.4,

*k* = *Ncbpss* *l* *u* – *nl*  44  *Nbpscs* *l* *u*   *Ncbpss* *l* *u* – 1 when DCM is not used and *k* = *Ncbpss* *l* *u* – *nl*  22 

 *Nbpscs* *l* *u*   *Ncbpss* *l* *u* – 1 when DCM is used.

* In Line 37, Page 296 of P802.11be D0.3 or Line 27, Page 400 of P802.11be D0.4,

*k* = *k* – *Ncbpss* *l* *u* – *nl*  44  *Nbpscs* *l* *u*  when DCM is not used and *k* = *k* –

 *Ncbpss* *l**u* – *nl*  22  *Nbpscs**l**u*  when DCM is used.