### **IEEE P802.11 Wireless LANs**

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| --- | --- | --- |
| PDT Uniform Tone Spacing | | |
| Date: 2024-03-07 | | |
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**Introduction**

This document provides proposed draft text for IEEE 802.11bf draft.

The following Straw Poll applies to this PDT:

**Straw Poll**

Do you agree to replace the current subcarrier values for Ng = 8 and Ng=16 in the Sensing Measurement Report with the following subcarriers?

Results: TBD

**Discussion**

Text.

***TGbf editor: Please make the following change in Table 9-127n:***

|  |  |
| --- | --- |
| * Subcarrier indices for unpunctured channels with bandwidth of 320 MHz and Ng = 8 | |
| 996-tone RU Index | Subcarrier Indices |
| 1 | ~~[-2036 : 8 : -1540, -1532 : 8 : -1036]~~    [ -2032:8:-1544, -1528:8:-1040] |
| 2 | ~~[-1012 : 8 : -516, -508: 8: -12]~~  [-1008:8: -520, -504:8:-16] |
| 3 | ~~[12 : 8: 508, 516 : 8: 1012]~~  [16:8:504, 520:8: 1008] |
| 4 | ~~[1036: 8 : 1532, 1540: 8 : 2036]~~  [1040:8:1528, 1544:8:2032] |

***TGbf editor: Please make the following change in Table 9-127p:***

Change the entries of 996 RU Tone Index = 1 column when neither 40 MHz is punctured with

[ -2032:8:-1544, -1528:8:-1040]

Change the entries of 996 RU Tone Index = 1 column when the lower 40 MHz is punctured with

[-1528:8:-1040]

Change the entries of 996 RU Tone Index = 1 column when the upper 40 MHz is punctured with

[ -2032:8:-1544]

Change the entries of 996 RU Tone Index = 2 column when neither 40 MHz is punctured with

[-1008:8: -520, -504:8:-16]

Change the entries of 996 RU Tone Index = 2 column when the lower 40 MHz is punctured with

[-504:8:-16]

Change the entries of 996 RU Tone Index = 2 column when the upper 40 MHz is punctured with

[-1008:8: -520]

Change the entries of 996 RU Tone Index = 3 column when neither 40 MHz is punctured with

[16:8:504, 520:8: 1008]

Change the entries of 996 RU Tone Index = 3 column when the lower 40 MHz is punctured with

[520:8: 1008]

Change the entries of 996 RU Tone Index = 3 column when the upper 40 MHz is punctured with

[16:8:504]

Change the entries of 996 RU Tone Index = 4 column when neither 40 MHz is punctured with [1040:8:1528, 1544:8:2032]

Change the entries of 996 RU Tone Index = 4 column when the lower 40 MHz is punctured with [1544:8:2032]

Change the entries of 996 RU Tone Index = 4 column when the upper 40 MHz is punctured with [1040:8:1528]

***TGbf editor: Please make the following change in Table 9-127q:***

Change the entries of 996 RU Tone Index = 1 column when neither 40 MHz is punctured with

[-2032:16:-1552, -1520:16:-1040]

Change the entries of 996 RU Tone Index = 1 column when the lower 40 MHz is punctured with

[-1520:16:-1040]

Change the entries of 996 RU Tone Index = 1 column when the upper 40 MHz is punctured with

[-2032:16:-1552]

Change the entries of 996 RU Tone Index = 2 column when neither 40 MHz is punctured with

[-1008:16:-528, -496:16:-16]

Change the entries of 996 RU Tone Index = 2 column when the lower 40 MHz is punctured with

[-496:16:-16]

Change the entries of 996 RU Tone Index = 2 column when the upper 40 MHz is punctured with

[-1008:16:-528]

Change the entries of 996 RU Tone Index = 3 column when neither 40 MHz is punctured with

[16:16:496, 528:16:1008]

Change the entries of 996 RU Tone Index = 3 column when the lower 40 MHz is punctured with

[528:16:1008]

Change the entries of 996 RU Tone Index = 3 column when the upper 40 MHz is punctured with

[16:16:496]

Change the entries of 996 RU Tone Index = 4 column when neither 40 MHz is punctured with [1040:16:1520, 1552:16:2032]

Change the entries of 996 RU Tone Index = 4 column when the lower 40 MHz is punctured with [1552:16:2032]

Change the entries of 996 RU Tone Index = 4 column when the upper 40 MHz is punctured with [1040:16:1520]

***TGbf editor: Please make the following change in Table 9-127I:***

|  |  |  |
| --- | --- | --- |
| * Number of subcarriers as a function of bandwidth, puncturing, and Ng | | |
| bandwidth | Ng | Number of subcarriers |
| 20 MHz | 4 | 64 |
| 16 | 20 |
| 40 MHz | 4 | 122 |
| 16 | 32 |
| 80 MHz | 4 | 250 |
| 16 | 64 |
| 160 MHz | 4 | 500 |
| 8 | 252 |
| 16 | 128 |
| 320 MHz (unpunctured) | 4 | 1000 |
| 8 | ~~504~~  496 |
| 16 | ~~265~~  248 |
| 320 MHz (40 MHz punctured) | 4 | 875 |
| 8 | ~~441~~  434 |
| 16 | ~~231~~  217 |
| 320 MHz (80 MHz punctured) | 4 | 750 |
| 8 | ~~378~~  372 |
| 16 | ~~198~~  186 |
| 320 MHz (40 +80 MHz punctured) | 4 | 625 |
| 8 | ~~315~~  310 |
| 16 | ~~165~~  155 |