IEEE P802.11
Wireless LANs

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| Comment resolution on CIDs for 28.3.11.9 Constellation mapping |
| Date: 2016-11-08 |
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Abstract:

This document contains comment resolution on the following CIDs for 28.3.11.9 Constellation mapping:

4884, 5279, 7687, 9012, 9071, 10056, 10057 and 10075.

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 4884 | 28.3.11.9 | 327 | 11-15 | Need to fix the sentences between line 11 and 15. Some words are missing | as in comment | Revised.11ax editor, please see the discussion for instructions in doc IEEE802.11-17/0331r2.  |
| 5279 | 28.3.11.9 | 327 | 15 | Something is wrong with this sentence "in order to exploit frequency diversity for a and" | fix sentence | Revised.See the resolution of CID 4884 in doc IEEE802.11-17/0331r2.  |
| 7687 | 28.3.11.9 | 327 | 14 | There is a typo here missing something in the sentence. After "frequency diversity for a", should point out what kind of RU it is here (a 26-, 52, 106-, 242-, 484-, or 996-tone RU). | Refer to comment | Revised.See the resolution of CID 4884 in doc IEEE802.11-17/0331r2.  |
| 9012 | 28.3.11.9 | 325 | 31 | I literally can't read the bit encoding shown in Figures 28-30 to 28-33. Either improve quatlity of the figures or find another way to define the encoding. | See the comment | Rejected. If zoomed in, then it can be read.  |
| 9071 | 28.3.11.9 | 327 | 15 | Missing words between "a" and "and" in the following text: exploit frequency diversityfor a and and is in the range of for a 2┤Θª996-tone RU | Paragraph needs to be rephrased/missing words inserted | Revised.See the resolution of CID 4884 in doc IEEE802.11-17/0331r2.  |
| 10056 | 28.3.11.9 | 327 | 34 | add the meaning of conj() for non-expert readers. | As in the comment. | Revised.11ax editor, please see the discussion for instructions in doc IEEE802.11-17/0331r2.  |
| 10057 | 28.3.11.9 | 327 | 34 | To be consistent with other modulation with DCM, add the text as "The NSD here refers to the NSD with DCM = 1, which is half the value of NSD with DCM = 0" | As in the comment. | Revised.11ax editor, please see the discussion for instructions in doc IEEE802.11-17/0331r2.  |
| 10075 | 28.3.11.9 | 327 | 14 | Clarify the text "in order to exploit frequency diversity for a and ... for a 2x996-tone RU" in spec | As in the comment. | Revised.See the resolution of CID 4884 in doc IEEE802.11-17/0331r2.  |

**Discussions for CID 4884:**

***TGax Editor: Please make the following text change (changed texts are in red) in the line 11-15, page 327* *of D1.0***:

~~When DCM is employed, bit sequences are mapped to a pair symbols  where is in the range of  and is in the range of  in order to exploit frequency diversity for a , and  and is in the range of  dor a RU of .~~

When DCM is employed, bit sequences are mapped to a pair symbols  where is in the range of  and is in the range of  in order to exploit frequency diversity for a RU of less or equal to 996 tones, and  and is in the range of  ~~dor~~ for a RU of .

**Discussions for CID 10056 and 10057:**

***TGax Editor: Please make the following text change (changed texts are in red) in the line 34, page 327 of D1.0***:

sub-carriers in the RU, $d\_{k+SD}=conj(d\_{k})$~~.~~, where $conj()$ represents the operation of complex conjugate. The *NSD* here refers to the *NSD* with DCM = 1, which is half the value of *NSD* with DCM = 0.