IEEE P802.11
Wireless LANs

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| Comment Resolution for CID334 in Section 32.3.8.6  |
| Date: 2020-07-11 |
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Abstract

This submission contains comment resolution CID334 in Sec. 32.3.8.6 to be incorporated in P802.11bd D0.3. The text reflects the related passed motions recorded in 11-19/0514r14.

Revisions:

* Rev 0: Initial version of the document.

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| 334 | yujin noh | 32.3.8.6 | 53 | 38 | 53.38 | 38 | 32.3.8.6 | add the definition of DCM in 32.3.8.6. | as in comment | Please see the discussion for the resolution. |

Discussion of CID 334:

802.11bd editor: Please add the text in blue from the line 44 in page 53 of draft of 802.11bd D0.3.

33.3.8.6 Constellation mapping

For DCM applied to NGV-MCS0, the input stream is broken into groups of $N\_{CBPS}$ or $N\_{CBPS,u}$ bits $(B\_{0},B\_{0},\cdots , B\_{N\_{CBPS,u}-1})$. Each bit $B\_{k}$ is BPSK modulated to a sample$ d\_{k}^{'}$. This generates the samples for the lower half of the data subcarriers. For the upper half of the subcarriers, the samples are generated as$ d\_{k+N\_{SD}}^{'}=d\_{k}^{'}×e^{j(k+N\_{SD})π}$, with$ k=0,1,\cdots ,N\_{SD}-1$. The NSD here refers to the $N\_{SD}$ for DCM, which is half the value of $N\_{SD}$ without DCM.