IEEE P802.11
Wireless LANs

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| Text proposal on Usage of Doppler bit in A-Control subfield |
| Date: 2017-09-11 |
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Abstract

This submission provides text proposal on usage of Doppler bit in A-Control subfield by 11-17/1324r0

* The proposed modification is based on 11ax D1.4

Revisions:

* Rev 0: Initial version of the document.

**Discussion:**

N/A

**TGax Editor: *P60L18 Change the paragraphs below of this subclause:***

-------- Start of Proposed Changes --------

* HLA Control(#4727)(#3104)

If the Control ID subfield is 2, the Control Information subfield contains information related to the HE link adaptation (HLA) procedure (see 27.13 (Link adaptation using the HLA Control field(#4727))(#5335, #7888)). The format of the subfield is shown in Figure 9-15e (Control Information subfield format when Control ID subfield is 2).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | B0 B2 | B3 B6 | B7 | B8 | B9 B15 |
|  | NSS | HE-MCS | DCM | Doppler | Reserved |
| Bits: | 3 | 4 | 1(#9619) | 1 | 7 |
| * Control Information subfield format when Control ID subfield is 2
 |

(#4740)

The NSS subfield indicates the recommended number of spatial streams, *NSS*, and is set to *NSS* – 1.

The HE-MCS subfield indicates the recommended HE-MCS, and is set to the HE-MCS Index value (defined in 28.5 (Parameters for HE-MCSs)).

The DCM subfield indicates the recommended usage of DCM, and is set to 1 if DCM is recommended and is set to 0 otherwise.(#9619)

The Doppler subfield indicates whether the channel condition rapidly changes, and is set to 1 if the channel varies fast and is set to 0 otherwise.

-------- End of Proposed Changes --------