IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CR for HE link adaptation in HT Control Field | | | | |
| Date: 2016-05-05 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | Email |
| Xiaogang Chen | Intel | 2111 NE 25th Ave. Hillsboro, OR |  | Xiaogang.c.chen@intel.com |

Abstract

This submission proposes resolutions for comments of TGax Draft 1.2 with the following CIDs: CID 9619

Revisions:

* Rev 0: Initial version of the document.

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGax Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGax Editor: Editing instructions preceded by “TGax Editor” are instructions to the TGax editor to modify existing material in the TGax draft. As a result of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **P.L.** | **Comment** | **Proposed Change** | **Resolution** |
| 9619 | Yongho Seok | 9.2.4.6.4.4 | 24.20 | "The HE-MCS defined in 28.5 varies depending on DCM.  The HE link adaptation mechanism should also include a recommendation of the DCM." | As per comment. | Revised –  Add DCM bit in the control info subfield of HLA in HT control field.  TGax editor to make the changes shown in 11-17/0736r0 under all headings that include CID 9619. |

**Proposed change: 9.2.4.6.4.4 HE link adaptation**

**Discussion:** The current HE link adaptation doesn’t include the DCM indication. DCM indication would be useful to combat narrow band interference. Slides 11-17-0328-06-00ax includes detailed discussions.

*To the TGax Editor: on page 24 of D1.2, replace* Figure 9-15e—Control Information subfield format when Control ID subfield is 2 *with the following figure.*



Figure 9-15e—Control Information subfield format when Control ID subfield is 2

*In addition, modify D1.2 P.L. 24.29~24.33 as following*

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.