IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CR for DCM related CID 503, 504 and 2750 | | | | |
| Date: 2016-09-12 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Yujin Noh | Newracom | 9008 Research Dr.  Irvine, CA 92618 |  | yujin.noh@newracom.com |
| Reza Hedayat |  | reza.hedayat@newracom.com |
| Young Hoon Kwon |  | younghoon.kwon@newracom.com |
| Yongho Seok |  | yongho.seok@newracom.com |
| Daewon Lee |  | daewon.lee@newracom.com |
| Minho Cheong |  | minho.cheong@newracom.com |

Abstract

* This submission proposes resolutions for CID 503, 504 and 2750 corresponding to DCM.
* The proposed changes are based on 11ax D0.2.

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 0.2. 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** | **clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 503 | 26.5.1 | 161.01 | Undefined TBD set of RU sizes and number of spatial streams. However, Tables 26-37 to 26-92 already contains DCM applicability information, which seems to be determined prematurely. No discussion took place in TGax regarding DCM applicability. | Define the set of RU sizes and number spatial stream that DCM is applicable for. Make sure Table 26-37 to 26-92 is consistent with agreed description. | Revised.  To TGax editor: make changes based on passed TGax PHY motion #135 which asks to make changes as in 11-16/0736r0. |
| 504 | 26.5.1 | 161.04 | Tables 26-37 to 26-92 state that DCM is not applicable for MCS 2, which has not been decided in 11ax SFD. | Define the set of MCS values DCM is applicable for. Make sure Table 26-37 to 26-92 is consistent with agreement in TGax. | Revised  To TGax editor: make changes based on passed TGax PHY motion #135 which asks to make changes as in 11-16/0736r0.  Note: same resolution as CID503. |
| 2750 | 26.5.1 | 160.50 | DCM is only applied to BPSK, QPSK and 16-QAM modulations. DCM description for MCS 2 is left out. | Add DCM description for MCS 2 | Revised  To TGax editor: make changes based on passed TGax PHY motion #135 which asks to make changes as in 11-16/0736r0.  Note: same resolution as CID503. |