IEEE P802.11
Wireless LANs

|  |
| --- |
| Comment resolution on CIDs **11727 and12102** |
| Date: 2018-05-01 |
| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Jianhan Liu | Mediatek |  |  | Jianhan.liu@mediatek.com |

Abstract:

This document contains comment resolution on the following CIDs in draft 2.3:

**11727, 12102.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 11727 | 28.3.11.15 | 474 |  | It is unclear to me how Dual Carrier Modulation can provide extra robustness due to diversity and repetition code compared to adopting new coding rates of 1/4 and 3/8 for both BCC and LDPC, possibly accompagnied by new interleaving modes. Extending the set of coding rates is arguably a cleaner extension of the existing standard than adding an extra layer of times two repetition coding. | Add DCM modes by introducing new coding rates and interleaving modes. | Rejected.The commentor does not provide details for the new coding.  |
| 12102 | 28.3.11.15 | 474 | 23 | In a severely bloated amendment, we should look for ways to simplify the text and to focus on the central goals of the project. One way is to remove minor modes that are only tangentially related to the goals of the project. One of these is DCM, yet another low-rate range-extension mode in an amendment that is not primarily concerned with range extension. There is not one word about range extension in the PAR or CSD, yet range extension modes clutter up the draft. To the extent that low-rate modes displace use of higher ratre modes on the medium, they actually work counter to the goals of the amendment. It may very well be that range extension would make a worthy and interesting project in itself, with a carefully worked out PAR and CSD. DCM is an optional, low-rate mode that can't even be used in conjunction with other range extension modes (STBC). It's a marginal special case and the draft would be better without it. N.B. A simlar comment was submitted on D1.0 (CID 6838); the purported 'resolution' (cf. 11-17-0010-14) is entirely unsatisfactory, consisting as it does of vague and conclusory assertions cast in the first person; this is unacceptable. | Delete DCM and all references to it in the draft. | Rejected.DCM mode is introduced also for enhancing reliability of transmissions with narrow band interferences that are common for dense networks. The commentor does not provide a detailed proposed change for his/her comment.  |