IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Resolution to CID9003 | | | | |
| Date: 2012-07-09 | | | | |
| Author(s): | | | | |
| Name | Company | Address | Phone | Email |
| Carlos Cordeiro | Intel |  |  |  |
| James Gilb | Tensorcom |  |  |  |

Abstract

Proposes a resolution to CID9003.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 9003 | B.4.3 | 576 |  | 2 in { 11b, 11a, 11g, 11n, 11ad }.  However, 11b and 11g are in the same band, and 11n might only be in one band.  also what about about CF15 (11y) | 2 in { (CF4 OR CF7 OR CF9 OR (CF16 AND $2G4)), (CF6 OR (CF16 AND $5G), CF15, CF25 } : O  (Might be possible to simplify this if you say that e.g. ERP requires 11b.) |

**Discussion**: There was no intention to ignore CF15. However, to be fully compliant with the other PHYs (including 11n, where it can be in 2.4 GHz band, in 5GHz band, or both), other changes are needed.

### B.4.3 IUT configuration

***Change the table as follows:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **IUT configuration** | **References** | **Status** | **Support** |
| … | … | … | … | … |
| \*CF2.1 | Operation in an infrastructure BSS | 4.3 (Components of the IEEE 802.11 architecture) | CF2&(not CF25):M  CF2&CF25:O | Yes, No, N/A |
| \*CF2.2 | Operation in an IBSS | 4.3 (Components of the IEEE 802.11 architecture) | CF2:O | Yes, No, N/A |
| \*CF2.3 | Independent station operating outside the context of a BSS (dot11OCBActivated is true) | 10.20 | (not CF17):O, CF17:M | Yes, No |
| \*CF2.4 | Operation in a PBSS | 4.3.2a (The Personal BSS (PBSS) as an ad hoc network) | CF2&(not CF25):O |  |
| \*CF2.4.1 | Operation as a PCP | 4.3.2a (The Personal BSS (PBSS) as an ad hoc network) | CF2&CF25:M | Yes, No |
| \*CF2.4.2 | Operation *Not* as a PCP | 4.3.2a (The Personal BSS (PBSS) as an ad hoc network) | CF2&CF25:M | Yes, No |
| … | *…* | … | … | … |
| \* CF4 | Direct sequence spread spectrum (DSSS) PHY for the 2.4 GHz band | – | O.2  CF7:M | Yes, No |
| … | *…* | … | … | … |
| \* CF6 | Orthogonal frequency division multiplexing (OFDM) PHY | – | O.2  CF16.2:M | Yes, No |
| \* CF7 | ~~High-speed~~ High rate direct sequence spread spectrum (HR/DSSS) PHY | – | O.2  CF9:M | Yes, No |
| … | *…* | … | … | … |
| \* CF9 | Extended Rate PHY (ERP) | Clause 19 | O.2  CF16.1:M | Yes, No |
| \* CF10 | Is spectrum management operation supported? | 8.4.1.4, 10.6 | (CF6 OR CF16.2 OR CF25):O | Yes, No |
| \* CF11 | Is operating classes capability implemented? | 8.4.2.13, 18.3.8.4.2, 18.3.8.7, 18.4.2, Annex D, Annex E | (CF6 OR CF16.2 OR CF25)& CF8&CF10:O | Yes, No, N/A |
| \* CF12 | Quality of service (QoS) supported | 9.19, 9.21, 4.3.10, 4.3.15.3 | CF16:M | Yes, No, N/A |
| … | *…* | … | … | … |
| \* CF16 | High-throughput (HT) features | 8.4.2.58 (HT Capabilities element) | O | Yes, No |
| \* CF16.1 | HT operation in 2.4 GHz band | Clause 20 | CF16: O.6 | Yes, No |
| \* CF16.2 | HT operation in 5 GHz band | Clause 20 | CF16: O.6 | Yes, No |
| … | *…* | … | … | … |
| \* CF25 | DMG features | 8.4.2.130 | O.2 | Yes, No |
| \* CF26 | Multi-band operation | , 10.32 | At least two of: CF4, CF6, CF15, CF17, CF25: O | Yes, No, N/A |
| \* CF27 | Non-DMG STA |  | O.5 | Yes, No, N/A |
| \* CF28 | DMG STA |  | O.5 | Yes, No, N/A |