IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Comment Resolution for Subclause 8.2.4.1.11 | | | | |
| Date: 2014-01-20 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu | Marvell | 5488 Marvell Ln, Santa Clara, CA 95054 | 1-408-222-0694 | liwenchu@marvell.com |

Abstract

This submission proposes resolutions for comments in clause 8.2.4.1.11 of TGah Draft 1.0 with the following CIDs: 1042, 1332, 1673, 1833, and 2158.

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 TGah Draft. This introduction is not part of the adopted material.

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause Num** | **P** | **L** | **Comment** | **Propose Change** | **Resolution** |
| 1042 | 8.2.4.1.8 | 33 | 38 | " the TXOP initiator wants to negotiate" -- STAs don't have wants. | Reword to non-anthropomorphic language. | Agree in principle. See Comment 1332. |
| 1332 | 8.2.4.1.11 | 33 | 37 | It seems the following sentence is out of place and needs to be moved "When the dynamic indication is set to 1, the TXOP initiator wants to negotiate TXOP bandwidth with the TXOP responder." | Move the referred sentence to the subcaluse that explains the dynamic vs static bandwidth allocation. | Agree in principle.  Revised.  TGah editor to make changes shown in 11-14-xxxxr0 |
| 1673 | 8.2.4.1.11 | 33 | 38 | "wants to": too anthropomorphic. | Replace "wants to" with "is attempting to". | Agree in principle. See Comment 1332. |
| 1833 | 8.2.4.1.11 | 55 | 33 | "bandwidth of a TXOP"? TXOP is an interval of time when a particular quality-of-service (QoS) station (STA) has the right to initiate frame exchange sequences onto the wireless medium (WM) so 'bandwidth" does not have meaning. The bandwidth is that of the PPDUs, remove/edit the offending sentence(s).In addition "wants to negotiate " is incorrect, either a negotiation is indicated or not. | Reword as follows "The Bandwidth Indication field is 3 bits in length, and the dynamic Indication field is 1 bit in length. The Bandwidth Indication field identifies the bandwidth of the PPDU. The Bandwidth Indication and Dynamic Indication fields are used to negotiate the bandwidth of a PPDU within a TXOP. Table 8-4a (Bandwidth Indication encoding) defines the bandwidth used for exchanging PPDUs between a TXOP initiator and a TXOP responder. Table 8-4b (Dynamic Indication encoding) indicates whether the bandwidth used for exchanging PPDUs in a TXOP is static or can change dynamically. When the dynamic indication is set to 1, the TXOP initiator indicates negotiation with the TXOP responder on the PPDU bandwidth." | Agree in principle.  Revised.  TGah editor to make changes shown in 11-14-xxxxr0 |
| 2158 | 8.2.4.1.11 | 33 | 44 | Bit assignment in Table 8-4a is not clear. Bit order should be mentioned clearly in the same manner as Table 8-2. | Add bit names in a cell of Bandwidth Indication encoding as below. [B10, B9, B8]: 000 = 1MHz 001 = 2MHz 010 = 4MHz 011 = 8MHz 100 = 16MHz | Agree in principle.  Revised.  TGah editor to make changes shown in 11-14-xxxxr0 |

***Insert a new subclause 8.2.4.1.11 after subclause 8.2.4.1.10 as follows:***

* Bandwidth Indication and Dynamic Indication fields

The Bandwidth Indication field is 3 bits in length, and the dynamic Indication field is 1 bit in length. The Bandwidth Indication field identifies the bandwidth of the PPDU. The Bandwidth Indication and Dynamic Indication fields are used to negotiate the bandwidth of PPDUs within a TXOP. Table 8-4a (Bandwidth Indication encoding) defines the bandwidth used for exchanging PPDUs between a TXOP initiator and a TXOP responder. Table 8-4b (Dynamic Indication encoding) indicates whether the bandwidth used for exchanging PPDUs in a TXOP is static or can change dynamically.

|  |  |
| --- | --- |
| * Bandwidth Indication encoding | |
| Bandwidth Indication  Encoding  B10 B9 B8 | Meaning |
| 000 | 1 MHz |
| 001 | 2 MHz |
| 010 | 4 MHz |
| 011 | 8 MHz |
| 100 | 16 MHz |
| 101 -- 111 | Reserved |

|  |  |
| --- | --- |
| * Dynamic Indication encoding | |
| Dynamic Indication encoding  B11 | Meaning |
| 0 | Static |
| 1 | Dynamic |