IEEE P802.11
Wireless LANs

|  |
| --- |
| Setting of Duration field during BRP |
| Date: 2014-12-22 |
| Author(s): |
| Name | Company | Address | Phone | email |
| Carlos Cordeiro | Intel |  |  | carlos.cordeiro@intel.com |
| Payam Torab | Broadcom |  |  | ptorab@broadcom.com |
| Erez Kirshenbaum | Qualcomm |  |  | erezk@qti.qualcomm.com |
| Mordechay Aharon | Qualcomm |  |  | maharon@qti.qualcomm.com  |
| Joe Andonieh | Peraso |  |  | joe@perasotech.com |
| Gaius Yao Huang Wee | Panasonic |  |  | yaohuang.wee@sg.panasonic.com |
| Sai Shankar | Tensorcom |  |  | nsai@tensorcom.com |
| James Wang | MediaTek |  |  | james.wang@mediatek.com |
| Solomon Trainin | Intel |  |  | solomon.trainin@intel.com |

Abstract

This submission addresses issues identified relating to the setting of the Duration field during beamforming.

There is no CID associated with this change.

The proposed changes are in reference to Draft P802.11REVmc\_D3.2.

Discussion 1: The description of Duration setting for BRP frames may be misinterpreted in the context of BRP during a CBAP. This causes confusion in implementation and may impact channel access. A clarification is proposed.

**9.38.3 Beam Refinement Protocol (BRP) phase**

**9.38.3.1 General**

*Change the 11th paragraph as follows*

A beam refinement response is separated from a preceding beam refinement request by at least a SIFS interval and at most a BRPIFS interval provided sufficient time is available for the complete transmission of those frames within the SP allocation or TXOP. Similarly, a beam refinement request, if any, is separated from a preceding beam refinement response by at least a SIFS interval and at most a BRPIFS interval provided sufficient time is available for the complete transmission of the beam refinement request within the SP allocation or TXOP.

**9.38.6.4 BRP phase execution**

**9.38.6.4.1 General**

*Change the last paragraph as follows*

The Duration field within each BRP frame is set to the time remaining until the end of the current allocation when transmitted within an SP. Otherwise it is set to the time remaining until the end of the TXOP.

Discussion 2: The instructions for a responding STA to a TXSS sector list feedback request are incorrect.

**9.38.6.4 BRP phase execution**

**9.38.6.4.1 General**

*Change the 8th paragraph as follows*

A STA may request a TXSS sector list feedback by sending a BRP frame with the TXSS-FBCK-REQ field set to 1, the SNR Requested subfield within the FBCK-REQ field set to 1 and the remaining subfields within the FBCK-REQ field set to 0. The responding STA shall respond with a BRP frame with the SNR Present subfield within the FBCK-TYPE field set to 1 and Sector ID Order Present subfield set to 1, , with a list of sector IDs indicating the sector IDs of the received SSW frames or DMG Beacon frames, and with the SNR values with which those frames were received in the last TXSS. The Number of Measurements subfield in the FBCK-TYPE field is set to indicate the number of sectors received during the last SLS for which an SNR measurement is included.