IEEE P802.11  
Wireless LANs

|  |  |  |
| --- | --- | --- |
| Resolution to CID 4433 | | |
| Date: 2019-April-02 | | |
| Author(s): | | |
| Name | Affiliation | email |
| Alecsander Eitan | Qualcomm | eitana@qti.qualcomm.com |
| Solomon Trainin | Qualcomm | strainin@qti.qualcomm.com |
| Assaf Kasher | Qualcomm | akasher@qti.qualcomm.com |

Abstract

This submission proposes resolution to CID 4433.

The resolutions are in reference to Draft IEEE P802.11ay Draft3.0

|  |  |  |  |
| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed change |
| 4433 | 10.44.1 | Two rules that one requires the initiator to transmit frame for measurement and the other requires the responder to submit the measurement at start of interval with no relation to the initiator intention, are controversial. "The requesting STA should transmit at least one Management or Data frame (e.g., a QoS Null frame) to the peer STA, preferably requiring acknowledgement, every interval of time indicated by the value of the Reporting Interval field within the Periodic Report Request sub element to keep the statistics reported in the periodic Link Measurement Report frames transmitted by the peer STA updated. " and "... at the time indicated by the value of the Reporting Start Time subfield, the responding STA shall send at least one Link Measurement Report frame including the Periodic Report sub element to the requesting STA for each report interval. The transmission of this unsolicited Link Measurement Report frame should be as close as possible to the start of each consecutive report interval subject to channel access rules. The total number of report intervals shall be equal to the value of the Reporting Count subfield in the Link Measurement Request frame." | Modify the responder rule to fit to the initiator expectation that the measurement responds to the data delivered by the initiator as fast as possible |

**Discussion:**

The comment is about letting the Link Measurement responder send the unsolicited Link Measurement Report more frequently than once per report period.

This comment makes a lot of sense, and it can improve the speed of link adaptation.

**Proposed resolution:** **Revise.**

***TGay Editor: Replace the text(P336L28-40)***

If the Dialog Token field in the Link Measurement Request frame is equal to a nonzero value, the responding STA shall perform the measurement on the next frame received from the requesting STA and shall send back a Link Measurement Report frame corresponding to the received frame. If the Link Measurement Request frame includes the Periodic Report Request subelement and the responding STA accepts a periodic link measurement request, at the time indicated by the value of the Reporting Start Time subfield, the responding STA shall send at least one Link Measurement Report frame including the Periodic Report subelement to the requesting STA for each report interval. The transmission of at least one unsolicited Link Measurement Report frame should be as close as possible to the start of each consecutive report interval subject to channel access rules. The total number of report intervals shall be equal or smaller than the value of the Reporting Count subfield in the Link Measurement Request frame. If the Link Measurement Request frame includes the Periodic Report Request subelement and the responding STA rejects a periodic link measurement request, the responding STA shall transmit a Link Measurement Report frame and set the Accept/Reject Periodic Report subfield within the Periodic Report Control field of the Periodic Report subelement to 0.