IEEE P802.11  
Wireless LANs

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| Resolution to CID 4267 | | |
| Date: 2019-April-10 | | |
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Abstract

This submission proposes resolution to CID 4267.

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

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| CID | Clause | Comment | Proposed change |
| 4267 | 10.40.6.2.2 | Should there be a mechanism to let the link measurement request frame to pick a preferred feedback? in case the reported feedback is not supported by the transmitter? | Add a suggested feedback paremeter type in Link Measurement Request frame |

The commenter added that the current draft doesn’t states what the the responder shall send in the report frame. Existing text only refers to the capabilies.

**Discussion:**

The Link Measurement Report is based on measurements that require some dedicated HW and FW to collect them in real-time. This means that the receiver has or not the means to do the collection.

It was decided that the receiver should send to the transmitter (the requester) all the available Link Measurements. The transmitter has the freedom to use whatever part of the Link Measurement he supports and is designed for.

Having an additional mechanism to allow the Link Measurement Request frame to select which part of the Link Measurement is requested, adds complexity and provides very small efficiency improvement. (reduces the FW processing time to build the Link Measurement Report and shorten the Link Measurement Report frame size).

Analysis of the usefulness of the Parameters Across PPDUs, Parameters Across LDPC Codewords and Parameters Across SC Blocks/OFDM Symbols shows that each has some unique advantages and drawbacks relative to the other. Therefore, better to have all available information at the transmitter without performing filtering at the receiver (responder).

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

There is no need to allow the requester to select the type of feedback. The requester can take any part of the report to be used.

***TGay Editor: Change the text of the first paragraph on page 337 (clause 10.44.1 General)***

Measurement Report frame shall be computed using the measurements of the PPDU that is the next frame received from the requesting STA, or the last received frame from the requesting STA within the corresponding report interval.

The measurement Report frame shall include Parameters Across RX Chains field (9.4.2.142.4) if the Parameters Across Rx Chains Supported bit is set (9.4.2.127.7), shall include Parameters Across PPDUs field (9.4.2.142.5) if the Parameters Across PPDUs Supported bit is set (9.4.2.127.7), shall include Parameters Across LDPC Codewords field (9.4.2.142.6) if the Parameters Across LDPC Codewords Supported bit is set (9.4.2.127.7) and shall include Parameters Across SC Blocks/OFDM Symbols field (9.4.2.142.7) if the Parameters Across SC Blocks/OFDM Symbols Supported bit is set (9.4.2.127.7).