IEEE P802.11
Wireless LANs

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| LB276 Comment Resolution for CID 3155 |
| Date: 2023-11-13 |
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Abstract

Proposed comment resolution for CID 3155.

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3155 | 9.6. | 110.41 | Add TPE (Transmit Power Envelope) element as part of the "negotiation & update" so that 6GHz AP can convey changes in TPE for (Indoor) Standard Power AP. This might require adding the TPE element to frames like Sensing Measurement Request,Response, Report, SBP report, and potentially Termination frames. I believe we need to discuss/agree on the solution. | As per comment | **Revised**<https://mentor.ieee.org/802.11/dcn/21/11-23-2057-01-00bf-LB276-Comment-Resolutions-for-CID3155.docx> |

**Discussion:**

The commenter is suggesting including a mechanism to allow AP to update BSS critical parameters such as TPE (Transmit Power Envelop), punctured pattern in 6GHz band specifically to unasscoiated STAs since U-STA is unlikely to receive BSS beacon for these updates after session establishment is complete as the only time available is during the sensing measurement exchange(s). Two proposed solutions were presented (i.e., document 11-23-1814-01) with several follow-up email exchanges and the members seem to converge with solution that manadates AP to terminate the session to essentially force the U-STA to re-establish the new session learning the updated BSS parameters. The normative text below addresses both Sensing and SBP procedures.

11bf Editor, please add the text below in P160L14.

If any of the BSS parameters has changed since the sensing measurement session was established that can impact the sensing session operation with the unassociated STA(s) (e.g., TPE (Transmit Power Envelop) and/or disabled subchannel bitmap) the AP shall send sensing Measurement Termination frame to explicitly terminate the sensing measurement session with the unassociated STA(s) (see 11.55.1.6 Sensing measurement session termination). The unassociated STA(s) shall not re-establish a new sensing measurement session prior to receiving a beacon frame from that AP.

11bf Editor, please add the text below in P166L47.

If any of the BSS parameters has changed since the SBP procedure was established with an unassociated STA acting as an SBP initiator (e.g., TPE (Transmit Power Envelop) and/or disabled subchannel bitmap) the SBP responder (i.e., AP) shall send SBP Termination frame to explicitly terminate the SBP procedure (see 11.55.2.4 Termination) and correspondingly shall send sensing Measurement Termination frame(s) to all sensing responders involved in this SBP procedure to explicitly terminate the sensing measurement session(s) (see 11.55.1.6 Sensing measurement session termination). The unassociated STA acting as an SBP initiator shall not re-establish a new SBP procedure prior to receiving a beacon frame from that SBP responder (i.e., AP).

**References: IEEE P802.11bf D2.1**