IEEE P802.11
Wireless LANs

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| LB281 CR for Exchange CIDs |
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Abstract

This document aims to resolve the following seven LB281 comments: CIDs 4034, 4035, 4036, 4180, 4259, 4261, and 4278.

R0: Initial version

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| **CID** | **Clause**  | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 4034 | 11.55.1.5.2.5 | 154.55 | Typo, "SR2SI" should be "SR2SR". And a TB sensing measurement exchange contains only one SR2SR Sounding Trigger frame, so the current text needs refinement. | Change to "A User Info field with the AID12/USID12 field set to 2008 shall be present in a SR2SR Sounding Trigger frame as part of a TB sensing measurement exchange." | Revised.See proposed change below in <DCN11-24/0170r0>. |
| 4035 | 11.55.1.5.2.5 | 155.05 | Typo, "SR2SI" should be "SR2SR". | Change to "SR2SR". | Accepted |
| 4036 | 11.55.1.5.2.5 | 155.10 | Since at the beginning of 11.55.1.5.2.5, we say "In the SR2SR variant of a TF sounding phase, the AP transmits an SR2SR Sounding Trigger frame". It appears we have only one SR2SR Sounding Trigger frame in a TF sounding phase. | Remove the sentence. Otherwise we need clarify 11.55.1.5.2.4 TF sounding phase - SR2SI variant may also have multiple SR2SR Sounding Trigger frames. | Revised.See proposed change below in <DCN11-24/0170r0>. |

**Discussion:**

An AP may transmit multiple SR2SI Sounding Trigger frames or multiple SR2SR Sounding Trigger frames in a TF sounding phase.

*TGbf Editor: Please revise the sentence starting at P153L28 of Clause 11.55.1.5.2.5 (TF sounding phase - SR2SR variant) of D3.0 as follows.*

In the SR2SR variant of a TF sounding phase, the AP solicits SR2SR NDP transmissions from one or more non-AP STAs, on which one or more non-AP STAs perform sensing measurements.

*TGbf Editor: Please revise the sentence starting at P154L55 of Clause 11.55.1.5.2.5 (TF sounding phase - SR2SR variant) of D3.0 as follows.*

A User Info field with the AID12/USID12 field set to 2008 shall be present in all transmitted SR2SR Sounding Trigger frames as part of a TB sensing measurement exchange.

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| 4180 | 11.55.1.5.2.5 | 153.25 | The error recovery is not defined for the case that the STA doing SR2SR sensing miss the SR2SR Trigger frame. | fix the bug | Rejected (see the reason below) |

**Reason:**

Either a sensing transmitter or a sensing receiver may miss the SR2SR Sounding Trigger frame.

* If the sensing transmitter misses the trigger frame, the AP and the sensing receiver(s) will not receive any SR2SR NDP. The AP may retransmit the trigger frame.
* If one of the sensing receivers misses the trigger frame, it will not perform sensing measurement. The AP will receive the SR2SR NDP from the sensing transmitter but will not receive any sensing measurement report frame from the sensing receiver in the subsequent reporting phase. The AP may choose to retransmit the SR2SR Sounding Trigger frame.

In both cases, there is not a severe issue or a more severe issue than the similar situation in an SR2SI variant or in an NDPA sounding phase. Hence, there is no need to add any error recovery mechanism.

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| 4259 | 11.55.1.5.2.1 | 146.61 | For EHT STAs supporting R-TWT, TB sensing measurement exchange should be compatible with R-TWT. | Add the following after the 1st paragraph on P147: "If the sensing initiator is an R-TWT scheduling AP (see 35.8 (Restricted TWT (R-TWT))), it shall not assign a sensing availability window which is overlapped with any active R-TWT schedule. If the sensing responder is an R-TWT scheduled STA, it shall not suggest a sensing availability window which is overlapped with any active R-TWT schedule." | Accepted. |
| 4261 | 11.55.2.2 | 167.62 | For EHT STAs supporting R-TWT, SBP procedure should be compatible with R-TWT. | Add the following to the end of this clause: "If the SBP initiator is an R-TWT scheduled STA, it shall not request a sensing availability window which is overlapped with any active R-TWT schedule. If the SBP responder is an R-TWT scheduling AP (see 35.8 (Restricted TWT (R-TWT))), it shall not assign a sensing availability window which is overlapped with any active R-TWT schedule. " | Accepted. |

**Discussion:**

R-TWT operation enables the STAs in a BSS to use enhanced medium access protection and resource reservation mechanisms for delivery of latency sensitive traffic. If an EHT AP implements R-TWT and is a sensing initiator, then as a TXOP holder it shall ensure the TXOP ends before the start time of any active R-TWT SP advertised by itself. A straightforward way to ensure that a sensing measurement exchange does not impact any R-TWT operation is to avoid overlap between any sensing availability window and any active R-TWT SP.

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| 4278 | 11.55.1.5.2.5 | 155.22 | This paragraph is placed in the wrong subclause. | Please move this paragraph to the next subclause 11.55.1.5.2.6. | Accepted |

**SP:** Do you agree to the resolutions provided in the document 11-24/170r0for CIDs 4034, 4035, 4036, 4180, 4259, 4261, and 4278?