IEEE P802.11  
Wireless LANs

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| LB276 CR for CIDs on SR2SR Variant | | | | |
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Abstract

This document aims to resolve the following LB276 comments: CIDs 3177, 3178, 3196, 3197, 3215, 3317, 3319, 3338, 3493, and 3543.

R0: Initial version

R1: Revision to the resolutions of CIDs 3196, 3197, 3319, and 3338

##### ****CID 3177****

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3177 | 11.55.1.5.2.5 | 151.06 | Change the text "The SR2SR NDP may be transmitted with more than one spatial stream. " to | The SR2SR NDP may be assigned to transmit with more than one spatial stream. | Accepted |

##### ****CID 3178****

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3178 | 11.55.1.5.2.5 | 152.11 | Add new normative text in P152 after L11 to include transmissions of MSID and MEID | The corresponding text can be as follows or its equivalent  When transmitting an SR2SR Sounding Trigger frame as part of the TB sensing measurement exchange, an AP shall include the corresponding Measurement Session ID and the Measurement Exchange ID fields in the Trigger Dependent Common Info field. The AP maintains a modulo 64 counter for each TB sensing measurement exchange corresponding to a Measurement Session ID. When transmitting a SR2SR Sounding Trigger frame to one or more non-AP STAs, the Measurement Exchange ID shall be the value of this modulo 64 counter; after which the counter shall be incremented by 1. | Revised  Incorporate the changes in <https://mentor.ieee.org/802.11/dcn/23/11-23-1633-01-00bf-LB276-CR-for-CIDs-on-SR2SR-Variant.docx> |

*TGbf Editor: Please insert the following paragraph to the end of Clause 11.55.1.5.2.5 (TF sounding phase - SR2SR variant) of D2.0.*

When transmitting an SR2SR Sounding Trigger frame as part of the TB sensing measurement exchange, an AP shall include the corresponding Measurement Session ID and the Measurement Exchange ID fields in the Trigger Dependent Common Info field. The AP shall maintain a modulo 64 counter for each TB sensing measurement exchange corresponding to a Measurement Session ID. When transmitting a SR2SR Sounding Trigger frame to one or more non-AP STAs, the Measurement Exchange ID shall be the value of this modulo 64 counter; after which the counter shall be incremented by 1.

##### ****CIDs 3196, 3197****

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3196 | 9.3.1.22.14.6 | 40.23 | It is better to rephrase the The TX/RX field in the Transmitter User Info field is set to 0 to indicate the sensing responder as SR2SR NDP transmitter. | as in comment | Rejected.  According the previous centence, the role of the sensing responder has already been indicated. Therefore, it is unnecessary to include another indication. |
| 3197 | 9.3.1.22.14.6 | 40.55 | It is better to rephrase the The TX/RX field in the Transmitter User Info field is set to 1 to indicate the sensing responder as SR2SR NDP receiver. | as in comment | Rejected.  According the previous centence, the role of the sensing responder has already been indicated. Therefore, it is unnecessary to include another indication. |

##### ****CID 3215****

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3215 | 11.55.1.5.2.1 | 144.46 | Both of SR2SI variant and SR2SR variant co-exist in one TF sounding phase ? Either of SR2SI variant or SR2SR variant is allowed in one TF sounding phase ? It may be helpful if we have NOTE like for reporting phase (line 55). | As in comment | Revised  Incorporate the changes in <https://mentor.ieee.org/802.11/dcn/23/11-23-1633-01-00bf-LB276-CR-for-CIDs-on-SR2SR-Variant.docx> |

*TGbf Editor: Please revise the paragraph starting at P144L46 of Clause 11.55.1.5.2.5 (TF sounding phase - SR2SR variant) of D2.0 as follows.*

The TF sounding phase has two variants: the SR2SI variant, as described in 11.55.1.5.2.4 (TF sounding phase - SR2SI variant), and the SR2SR variant, as described in 11.55.1.5.2.5 (TF sounding phase - SR2SR variant). The TF sounding phase may contain the SR2SI variant, the SR2SR variant, or both.

##### ****CID 3317****

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3317 | 11.55.1.5.2.1 | 144.59 | The paragraph is redundant. Since P144L46 has already stated a TF sounding phase may be a SR2SR variant, and how to perform measurement is described in 11.55.1.5.2.5 (TF sounding phase - SR2SR variant). | Remove this paragraph. | Accepted |

##### ****CID 3319****

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3319 | 11.55.1.5.2.5 | 152.12 | Similar to 11.55.1.5.2.4 TF sounding phase - SR2SI variant, multiple SR2SR Sounding TFs may exist. E.g., TF1 to TX1 and RX1, TF2 to TX2 and RX2. | Add the following: An AP may perform the frame exchange of transmitting an SR2R Sounding Trigger frame and soliciting the SR2SR NDP transmission multiple times during the TF sounding phase. | Revised.  Incorporate the changes in <https://mentor.ieee.org/802.11/dcn/23/11-23-1633-01-00bf-LB276-CR-for-CIDs-on-SR2SR-Variant.docx> |

*TGbf Editor:  Please add the following paragraph at P152L12 of Clause 11.55.1.5.2.5 (TF sounding phase - SR2SR variant) of D2.0 as follows.*

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

##### ****CID 3338****

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| 3338 | 9.3.1.22.14.6 | 41.09 | Not clear what the Partial TSF field contains if the AP did not transmit a Sensing Poll Trigger frame preceding the SR2SR Sounding Trigger frame. | Remove condition "if the AP transmitted the Sensing Polling Trigger frame that preceded the SR2SR Sounding Trigger frame carrying this User Info field.", or define contents of the Partial TSF field when no preceding Sensing Polling Trigger. | Revised.  Incorporate the changes in <https://mentor.ieee.org/802.11/dcn/23/11-23-1633-01-00bf-LB276-CR-for-CIDs-on-SR2SR-Variant.docx> |

*TGbf Editor: Please revise the paragraph starting at P41L9 of Clause 9.3.1.22.14.6 (SR2SR Sounding Trigger frame) of D2.0 as follows.*

If the AID12/USID12 subfield is equal to 2008, the User Info field is used to carry the Partial TSF field. If the AP transmitted a Sensing Polling Trigger frame that preceded an SR2SR Sounding Trigger frame, the SR2SR Sounding Trigger frame shall carry this User Info field with the Partial TSF field containing 16 bits of the AP’s TSF time, TSF[21:6]; otherwise, the User Info field with the AID12/USID12 subfield being equal to 2008 may not be present.

##### ****CID 3493****

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3493 | 11.55.1.5.2.5 | 150.31 | NDP name is not accurate | Change "to solicit NDP transmission" to "to solicit SR2SR NDP transmission" | Accepted |

##### ****CID 3543****

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3543 | 11.55.1.5.2.5 | 151.52 | In the paragraph "The SR2SR Rep field in the Transmitter User Info field within the Sensing Sounding Trigger frame shall....." | "sensing" sounding trigger frame should be "SR2SR" sounding triger frame | Accepted |

**SP:** Do you agree to the resolutions provided in the document 11-23/1633r1for the following CIDs: 3177, 3178, 3196, 3197, 3215, 3317, 3319, 3338, 3493, and 3543?