IEEE P802.11
Wireless LANs

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| CC40 CR for CIDs 466 and 772 |
| Date: 2023-01-13 |
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Abstract

This document aims to resolve the following two comments received in CC40: CIDs 466 and 772.

R0: Initial version

R1: Fix a missing document number

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| **CID** | **Clause**  | **Page** | **Line** | **Comment** | **Proposed Change** |
| 466 | 11.21.18.6 | 68 | 22-23 | Details are missing on how to set up responder to responder sensing procedure. Please provide detail information on how to support sensing session setup, measurement setup, measurement instance provision, reporting, termination and etc. | As in the comment. |

**Proposed resolution**: Revised (no text change is needed as it has been addressed in document 22/1998r2)

**Discussion:**

The proposed text changes in document 22/1998r2 include detailed information about how to set up SR2SR sensing and hence adequately resolve CID 466.

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| **CID** | **Clause**  | **Page** | **Line** | **Comment** | **Proposed Change** |
| 772 | 11.21.18.4  | 67 | 54 | For the same sensing measurement setup, the consistency of CSI measurements over time should be preserved. | Add the following text at the end of the subclause: "For the same sensing measurement setup, the sensing measurement reports generated or received by the sensing initiator should contain the CSI from the same set of TX/RX antenna pairs."  |

**Proposed resolution**: Revised (no text change is needed as it has been addressed in document 22/1998r2)

**Discussion:**

In document 22/1998r2, the following rules are proposed in a new clause (11.55.1.5.4 Common rules), which adequately resolves CID 772.

The sensing receiver shall use the same ordered set of antennas with no antenna swappingfor reception of an SI2SR, SR2SI or SR2SR NDP in all measurement instances associated with the measurement setup. If the CSI measurement at a receive antenna is invalid, then all CSI values associated with that antenna shall be set to 0 in the MLME-SENSTBREPORT.indication and MLME-SENSNTBREPORT.indication primitives.

The sensing transmitter shall use the same ordered set of antennas with no antenna swapping, for transmission of an SI2SR, SR2SI or SR2SR NDP in all measurement instances associated with that measurement setup. If any of the transmit antennas is not available the transmitter shall not transmit the SI2SR, SR2SI or SR2SR NDP for that measurement instance.

NOTE: sensing transmitter needs to terminate the measurement setup if any of its transmit antennas is no longer available for the sensing measurements.

NOTE: sensing transmitter continues to use the same ordered set of antennas with no antenna swapping even if it is included in the TF sounding phase with UL MU MIMO transmission with different assigned SS allocation in different instances.

**SP:** Do you agree to the resolutions provided in the document 11-23/0071r1for the following CIDs: 466 and 772?