IEEE P802.11
Wireless LANs

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| Resolutions for SBP Comments in CC40 - Part 1 |
| Date: 2022-10-28 |
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Abstract

This submission proposes resolutions to comments submitted in CC40. The text used as reference is D0.3.

CIDs covered in this document include:

14 15 16 205 305 318 322

Revision history:

R0: Original version

R1: DCN1579r3 already added a Sensing Measurement Container field, which further includes a Report Type and Segmentation Control subfield consisting of Sensing Transmitter STA ID and Sensing Receiver STA ID. These IDs are sufficient to differentiate the measurement results from different sensing responders in SBP scenarios.

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed change** |
| 14 | 11.21.19.2 | 73.58 | For an SBP procedure, where SBP is implemented with multiple responders, how are the links identified over which SBP is performed? For example, and SBP initiating STA initiates an SBP to which an SBP responder responds and then multiple non-AP STAs participate in SBP, how will the SBP initiator identify which links are being measured? | Link identification or SBP initiator/respodner and STAs aprticipating in SBP must be assigned some IDs based on which the SBP initiator may understand that sensing is performed on which link. |
| 15 | 11.21.19.3 | 73.31 | For the case when multiple STAs are involved in an SBP procedure, how does the SBP initiator know about the sensing measurement report is from which STA? | The sensing measurement report must conatin sensing measurment link info over which the sensing is performed for SBP initiator. Measurement Setup ID would also work. |
| 16 | 11.21.19.3 | 73.31 | In case of multiple sensing respodners, how will the SBP intitiator differentiate the sensing measurement report? | The sensing measurment report may contain sequence number of the identification of the STA which generated the sensing measurement report. If the Measurement setup IDs are same something link sensing measurement report sequence number would work, else the sensing measurement ID may also work. |
| 205 | 11.21.9.3 | 73.33 | We should define a means for the SBP initiator to map the received SBP measurement reports to different responders. The SBP initiator does not need to know the exact identities of the corresponding responder, but it needs to know which part of the report is from STA 1 and which part of the report is from STA2. Probably we need to include AID/UID value in the SBP measurement report corresponding to each sensing responder. | As in comment. |
| 305 | 9.6.7.54 | 60.60 | If there are more than one link involved in the SBP procedure, how are the links corresponding to the sensing measurements identified? Is the same sensing measurement setup ID used for SBP as well as for the respective measurement links? | Clarify, when there are more than one link involved in the SBP procedure, how are the links corresponding to the sensing measurements identified in the SBP Response frame. |
| 318 | 11.21.19.2 | 73.01 | If there are more than one link involved in the SBP procedure, how are the links corresponding to the sensing measurements identified? Is the same sensing measurement setup ID used for SBP as well as for the respective measurement links? | Clarify, when there are more than one link involved in the SBP procedure, how are the links corresponding to the sensing measurements identified in the SBP Response frame. |
| 322 | 11.21.19.3 | 73.33 | The SBP procedure reporting is missing. Is the same frame (sensing measurement report) also used for SBP procedure reporting? It would be better to define a new frame type exclusively for SBP procedure Reporting. Also, if there are more than one link involved in the SBP procedure, how are the links corresponding to the sensing measurements identified? | Add details of the SBP procedure reporting:1. define a new frame type exclusively for SBP procedure Reporting.2. Clarify, when there are more than one link involved in the SBP procedure, how are the links corresponding to the sensing measurements identified in the SBP procedure report? |

**Proposed resolution**: Revised to all. DCN1579 already provides a resolution to all these CIDs.

**Discussion**:

1. All these CIDs are requesting to have a mechanism to differentiate sensing measurement results coming from different sensing respodners in the SBP Report frame. DCN1579r3 already added a Sensing Measurement Container field, which further includes a Report Type and Segmentation Control subfield consisting of Sensing Transmitter STA ID and Sensing Receiver STA ID. These IDs are sufficient to differentiate the measurement results from different sensing responders in SBP scenarios.
2. For the 1st bulllet of CID 322, in DCN0977r10, it was already proposed to define a new Sensing by Proxy (SBP) Report frame format to deliver sensing measurement reports in SBP scenarios.
3. As a result, no further modifications are needed after DCN1579 passes the motion.

## SP

Do you support the proposed resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 14 15 16 205 305 318 322?

Y/N/A