IEEE P802.11
Wireless LANs

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| Resolutions for 5 CIDs in CC40  |
| Date: 2022-12-07 |
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Abstract

This submission proposes resolutions to several comments submitted in CC40 under Instance and SBP topics. The CIDs are referring to D0.1. The text used as reference is D0.5.

CIDs: 620 178 323 325 456

Revision history:

R0: Original version

R1: Updated based on discussions on TGbf call on Dec. 8th.

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed change** |
| 620 | 11.21.18.6.2 | 69.60 | How about the ones not assigned to be polled since they also do not respond in the polling phase? | Add a clarification: that are not assigned to be polled or have responded in the polling phase |

**Proposed resolution**: Revised. No further changes are required.

**Discussion**: This is already resolved in D0.5.

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed change** |
| 178 | 11.21.19.2 | 73.13 | The time period between the SBP Request frame and the SBP Response frame is not defined, i.e., it is TBD. | Define the time period in the comment |
| 456 | 11.21.19.2 | 73.12 | Required response time is TBD. | Define TB value. Suggest using 10ms, which is the response time defined for the FTM procedure. |

**Proposed resolution**: Revised.

**Discussion**: In D0.5, we are using dot11SBPSetupExpiry as the timeout for the SBP Request/Response frame exchange. We need to define the value for this variable.

As a reference, we used 20 ms for the timeout value for the sensing measurement setup. As an SBP initiator, where application resides, it can tolerate waiting a bit longer since it is seeking for AP’s service thus 100 ms or so would make more sense. The longer period allows AP to send its response with more confidence based on the requested constraints. It also gives the AP sufficient time to establish sensing measurement setups with the requested sensing responders.

***TGbf editor, add the following paragraph and table to Section 11.55.2.1***

**11.55.2.1 General**

***Add the following paragraph and table to the end of this section***

During an SBP procedure, the timeouts are described in Table 11-xx (SBP timeout values) may be used.

Table 11-xx SBP timeout values

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| Name | Value | Description |
| SBP procedure expiry timer value | As indicated in the SBP Request | Upon expiry of the correspondingSBP procedure expiry timer, theSBP procedure is considered terminated (see 11.55.2.4 Termination). |
| dot11SBPSetupExpiry | 100 ms | After receiving an SBP Reqeust frame, the SBP responder shall send an SBP Response frame within dot11SBPSetupExpiry (see 11.55.2.1 Setup). |

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed change** |
| 323 | 11.21.19.3 | 73.33 | when an SBP Initiator is also a sensing responder (and sensing receiver) in the SBP procedure, it is not necessary for the sensing measurement reports for the SBP Initiator to be sent back to the SBP Responder since the report is meant to be forwarded (by the AP) to the SBP Initiator. | Clarify that when an SBP Initiator is also a sensing responder (and sensing receiver) in the SBP procedure, it is not necessary for the sensing measurement reports for the SBP Initiator to be sent back to the SBP Responder. |

**Proposed resolution**: Revised.

**Discussion**: For the AP to get the sensing measurement report, it needs to send the Sensing Report Trigger frame to solicit the report. If the SBP initiator is also a sensing responder, the AP should clearly understand that it does not need to solicit report from the SBP initiator and therefore does not include the SBP initiator in the receipient of the Sensing Report Trigger frame. However, if needed, we can add a note to make it clearer.

***TGbf editor, add the following note to Section 11.55.1.4***

Note---If an SBP initiator is also a sensing responder and a sensing receiver in the WLAN sensing procedure initiated by the SBP responder, the AP assigns the Sensing Measurement Report Requested subfield to 0 in the Sensing Measurement Setup Request frame transmitted to the SBP initiator.

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed change** |
| 325 | 4.3.21.26 | 17.40 | Channel is always between antennas | replace by "between receive and transmit antennas of two or more STAs and/or the channel ..." |

**Proposed resolution**: Revised. No further changes are required.

**Discussion**: This is already resolved in D0.5.

## SP

Do you support the proposed resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 620 178 323 325 456?

Y/N/A