IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Initial SA Ballot CR for CID 6043 on Threshold-based Sensing | | | | | | Date: 2024-08-05 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Mahmoud Kamel | InterDigital |  |  | mahmoud.kamel@interdigital.com | | Rui Yang | InterDigital |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission proposes resolutions for CID 6043 in subclause 11.55.1.5.2 in P802.11bf D4.0:

NOTE – Set the Track Changes Viewing Option in the MS Word to “All Markup” to clearly see the proposed text edits.

**Revision History:**

R0: Initial version

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 6043 | 11.55.1.5.2.6.2 | 158.51 | In threshold-based reporting, the initiator triggers responders to send Sensing Measurement Report frames. These frames include the CSI Variation Feedback field in the Sensing Measurement Report Control field, set to the CSI variation feedback value measured by the responder. Responders do not use the CSI Variation Threshold field in the TB Sensing Specific subelement of the Sensing Measurement Request frame, nor the CSI Variation Threshold field in the SBP Parameters Control field of the SBP Request frame to determine if they should send the CSI Variation Feedback value. Instead, the initiator decides which responders are triggered to send this value. As a result, responders do not need to know the CSI Variation Threshold value since it will never be used by them in deciding whether to send the CSI measurement during the measurement reporting subphase. | Remove the CSI Variation Threshold field from the TB Sensing Specific subelement of the Sensing Measurement Request frame and the CSI Variation Threshold field in the SBP Parameters Control field of the SBP Request frame and make all necessary draft changes corresponding to removing this field from the respective frames. | **REVISE**  While it is true that the responders will not use the CSI Variation Threshold in deciding whether to send the CSI measurement during the measurement reporting subphase or not, but they may use it to decide whether to clear the buffers if the measured variation is lower than the CSI Variation Threshold.  It may be useful otherwise to add a note to explain why this threshold is needed at the responder’s side.  TGbf editor: please incorporate changes shown in 11-24/1384r0 below under the tag (#6043). |

***TGbf editor: please insert the following note in subclause 11.55.1.5.2.6.2, P157L52 in 11bf D4.0***

NOTE- The CSI Variation Threshold can be used by the responders to decide whether to clear the buffers if the measured CSI variation is smaller than the CSI Variation Threshold (#6043).