IEEE P802.11  
Wireless LANs

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| LB272 comments DMG comment 2063 resolution | | | | |
| Date: 2023.06.xx | | | | |
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Abstract

This submission contains the proposed comment resolution for the CID 2063.

R0: initial document

R1: reference draft is updated to 11bf D1.2.

## CID 2063

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| --- | --- | --- | --- | --- | --- |
| CID | Page.  Line | Clause Number | Comment | Proposed Change | Resolution |
| 2063 | 193.50 | 11.55.2.6.2.3 | Some of the sensing responder may not be able to fullfil the initiation of DMG sensing instance when DMG sensing type equals to coordianted monostatic, coordinated bistatic and multistati due to some reasons, e.g. blocked by the moving target during the DMG sensing instance. This case should be considered in DMG sensing. | Commenter will provide a contribution. | Revised.  TGbf Editor make changes specified in 1127r1.  (https://mentor.ieee.org/802.11/dcn/23/11-23-1172-01-00bf-lb272-comments-dmg-comment-2063-resolution.docx) |

Discussion

In the coordinated DMG sensing, sensing initiator may not able to receive the DMG sensing response due to some reasons (e.g. blocked by the moving target, or sensing responder does not want to pariciapte in this DMG sensing exchange). In current draft 1.1 if the sensing initiator dose not receive a DMG Sensing Response frame within SIFS time, it shall not send the next DMG Sensing Request frame until the duration of a DMG Sensing Response frame plus 2SIFS after the DMG Sensing Request frame.



In this case, no PPDU is transmitted within a duration of DMG Sensing Resposne + 2\*SIFS. This may lead to the TXOP loss when SP field in Measurement Session Control field (within DMG Sensing Measurement Session element) equals to 0 (i.e. CBAP mode is adopted). To avoid TXOP loss, this transmitting rule could be slightly adjusted as follows.



Discussion end

***Instructions to the editor: please make the following changes to paragraph from P172L39 to P172L49 in subclasue 11.55.3.6.2.3 Parallel coordinated monostatic DMG sensing instance in 11bf D1.2.***

* In the initiation phase, the sensing initiator shall send a DMG Sensing Request frame to each intended sensing responder to request them to participate in the coordinated monostatic DMG sensing instance. The STA ID field of the DMG Setup Request frame shall indicate the order of DMG Sensing Request frames and the Monostatic Sounding Mode field shall be set to 0 to identify the parallel sounding mode. Each sensing responder shall respond with the DMG Sensing Response frame a SIFS after the request. When SP field in the DMG Sensing Measurement Request frame is set to 1, if the sensing initiator does not receive a response within the duration of a DMG Sensing Response frame plus a SIFS after a DMG Sensing Request frame, it shall send the next DMG Sensing Request frame the duration of a DMG Sensing Response frame plus 2 × SIFS after the DMG Sensing Request frame(#1304, #1305, #1391, #1392). When SP field in the DMG Sensing Measurement Reqeust frame is set to 0, if the sensing initiator does not receive a response within the duration of T(SIFS+aCCATIME) after a DMG Sensing Request frame, it shall pad the next DMG Sensing Request frame to ensure the alignment of simultaneously transmission of DMG monostatic sensing PPDUs. The duration of the padding shall be euqal to a DMG Sensing Response frame plus 2 × SIFS minus T (#2063).

# SP

Do you support resolution to the following CID and incorporate the text changes into the latest TGbf draft: 2063 in 11-23/1172r1?

Y/N/A