IEEE P802.11
Wireless LANs

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| Comment resolution for CID 3381 |
| Date: 2023-10-23 |
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Abstract

This submission resolves CID 3381.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Revise the resolution and add Rui as a co-author.
* Rev 2: Add a reference for the Sense Golay Index field.

# CID 3381

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 3381 | 9.3.1.25.5 | 43.16 | the Sense Golay Index field also can be used in the parallel Coordinated Monostatic sensing type, which indicates different sensing responders use different Golay indexes to alleviate interference. | Add a sentence in this paragraph as follow: The Sense Golay Index field suggests the index of the Golays sequences to be used in the TRN field of Monostatic PPDUs if the Sensing Type is set to Coordinated Monostatic. The paragraph also needs to be reorganized. | **Revised.**Agree with the commenter in principle.TGbf Editor make changes as in <https://mentor.ieee.org/802.11/dcn/23/11-23-1821-02-00bf-lb276-comment-resolution-for-cid-3381.docx> |

**Discussion:**

Using multiple Golay sequences to reduce sidelobes in maps with Doppler was proposed in 22/0040r1. According to this contribution, this technique is applicable to bistatic and multi-static sensing types. But actually, it also can be used in coordinated bistatic type which is very similar to bistatic sensing.

Besides, this technique is also beneficial to the coordinated monostatic sensing type especially the parallel mode shown in the following figure. Using different Golay sequences by different sensing responders could help reduce interference with each other during the sounding phase.



**Discussion end**

**9.3.1.25 TDD Beamforming frame format**

**9.3.1.25.5 DMG Sensing Request frame**

***TGbf Editor: Please revise the following paragraph as below and add a new paragraph after it.***

The EDMG TRN Length, RX TRN-Units per Each TX TRN-Unit, EDMG TRN-Unit P, EDMG TRN-Unit M, EDMG TRN-Unit N, TRN Subfield Sequence Length, BW contain the values of the corresponding header fields in the EDMG multistatic sensing PPDU. These fields are reserved if the Sensing Type is set to Coordinated Monostatic or Coordinated Bistatic.

The Sense Multiple Golays field indicates that the Golay sequence used in the TRN field of EDMG BRP PPDUs or EDMG multistatic sensing PPDUs sent in the DMG sensing measurement exchange is based on the sequence index specified in the Sense Golay Index field. For the Coordinated Monostatic sensing type, if sensing is performed with the TRN field, this field indicates that the Golay sequence suggested to be used in the TRN field of DMG Monostatic sensing PPDUs is based on the Sense Golay Index field. Otherwise, this field is reserved. The Sense Golay Index field indicates the index of the Golay sequence of the TRN field (see 28.10.2 (Sequences of length 32, 64, 128, 256, 512, and 1024)).

# SP

Do you support the resolution to CID 3381 and incorporate the text changes into the latest TGbf draft in 11-23/1821r2

Y/N/A