IEEE P802.11  
Wireless LANs

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| Initial SA ballot comments – CID 6005 | | | | |
| Date: 2024-08-28 | | | | |
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**Abstract**

This document proposes the resolutions to the following CID:

6005 (1 in total)

R0: initial version on Aug 28, 2024.

# 6005

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| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed change** |
| 6005 | Benjamin Rolfe | 9.4.2.329 | 72 | "he Sensing Transmitter and the Sensing Receiver fields cannot both be set to 0" Really? It would appear from the format that in fact it is possible to set both fields to either 0 or 1 in any transmission, though doing so is logically non-sensible. However since the both fields are stated to be reserved when the Preferred Responder Role Bitmap Present field is set to 1, perhaps both being set to zero when reserved is perfectly sensible. What happens if they are? This would seem the more relevant thing to describe, perhaps even as a normative requirement. For example if the behavior at the receiver is undefined, this might be a bad thing and lead to unpredictable results. | Replace sentence with: When the Sensing Measurement Parameters element included in the SBP Request frame when the Preferred Responder Role Bitmap Present field is set to 0 in the SBP Parameters Control field of the SBP Parameters element in the same SBP Request frame, if both Sensing Transmitter and Sensing Receiver fields are 0, the frame shall be ignored. |

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**Proposed resolution: Revised**. Agree with the commenter that from the element format, it is possible to set both fields to 0, however during the establishment of a sensing measurement session, such a setting is meaningless. It would be clearer to make this behavior of the requester a normative requirement. Further clarifications are needed in clause 11. Please refer to the modification labelled with #6005 in DCN 24/1450r0: <https://mentor.ieee.org/802.11/dcn/24/11-24-1450-00-00bf-initial-sa-ballot-comments-sbp-and-ost-comments.docx>

**Discussions:**

The Sensing Measurement Parameters element can be included in a Sensing Measurement Request/Response frame during the establishment of a sensing measurment session, or in an SBP Request/Response frame during the SBP setup. The cases where the Sensing Transmitter and the Sensing Receiver fields cannot both be set to 0 are:

* Included in a Sensing Measurement Request frame
* Included in an SBP Request frame if the SBP initiator does not include the Sensing Responder Role Bitmap field

The commenter suggests define the behavior of the responder when the Sensing Transmitter and the Sensing Receiver fields are both set to 0. This contribution proposes to address this comment from another perspective which is to put restrictions on the initiator’s side to prevent the situation (‘the Sensing Transmitter and the Sensing Receiver fields are both set to 0’) from happending. As long as the initaitor follows the requirement, it will not cause confusion to the responder.

***To TGbf editor: Please delete P72L57 as follows.***

***To TGbf editor: Please add the text to P142L14 (sensing measurement session)as follows.***

During a sensing measurement session, the sensing initiator shall assign the role(s) of a sensing responder as one of the following (see 9.4.2.329 (Sensing Measurement Parameters element)):

— Sensing receiver

— Sensing transmitter

— Sensing transmitter and sensing receiver

The sensing initiator shall not set both the Sensing Transmitter field and the Sensing Receiver field within the Sensing Measurement Parameters element of a Sensing Measurement Request frame to 0. (#6005)

***To TGbf editor: Please add the text to P170L49 (SBP setup) as follows.***

If the Preferred Responder Role Bitmap Present field within the SBP Parameters element of the SBP Request frame is equal to 1 and if the Status Code field within the SBP Response frame is equal to SUCCESS, the SBP responder shall set the Sensing Transmitter and the Sensing Receiver fields ....

If the Preferred Responder Role Bitmap Present field within the SBP Parameters element of the SBP Request frame is equal to 0, the SBP initiator shall not set both the Sensing Transmitter field and the Sensing Receiver field within the Sensing Measurement Parameters element of the same SBP Request frame to 0. (#6005)

SP:

Do you agree to the resolutions provided for CIDs 6005 in 24/1450r0 to be included in the latest 11bf Draft?

Y/N/A