IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | LB 272 CR for CID 1589 | | | | | | 2023-07-07 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Mahmoud Kamel | InterDigital |  |  | mahmoud.kamel@interdigital.com | | Rui Yang | InterDigital |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission proposes resolutions for CID 1589 in subclause 9.4.1.75 in P802.11bf D1.0:

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

## 

## CID: 1589

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| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 1589 | 9.4.1.75.3 | 93.10 | Why the Report Control Length subfield/field is needed if Presence and Control Map field/subfield can be used to indicate which fields/subfields are present in the Sensing Measurement Report Control field and hence be used to compute its length? | Remove the Report Control Length field/subfield from the Sensing Measurement Report Control field and consider all the required modifications according to this change | **Revise**  Agree with the comment in principle. The Report Control Length field is removed and all necessary modifications to the spec text is reflected.  TGbf editor: please incorporate changes shown in 11-23/1184r0 below. |

***TGbf editor: please make the following change in subclause 9.4.1.75, P52L54 in D1.2***

|  |  |  |  |
| --- | --- | --- | --- |
| * Sensing Measurement Report Control field definition | | | |
| Field | Size (bits) | Definition | Meaning |
|  |  |  |  |
| Presence and Control Bitmap | 8 | Includes fields to indicate presence of optional fields in the Sensing Measurement Report Control field, or other control bits | The fields of the Presence and Control Bitmap field are specified in Figure 9-144m (Presence and Control Bitmap field format) |
| BW | 3 | Bandwidth | Set to a value that corresponds to the bandwidth as defined in Table 9-127i (BW field format). |
|  | 3 | Indicates the number of transmit antennas | Set to the number of transmit antennas minus 1. |
|  | 3 | Indicates the number of receive antennas | Set to the number of receive antennas minus 1. |
|  | 1 | Indicates the number of bits for each CSI value | Set to 0 for an 8-bit word size. Set to 1 for a 10-bit word size. |
|  | 1 | Indicates the subcarrier grouping setting | Set to 0 to indicate a subcarrier grouping  equal to 4 if there are less than or equal to four transmit antennas(#1002, #1077).  Set to 0 to indicate a subcarrier grouping  equal to 4 if there are five or more transmit antennas and the bandwidth is 80 MHz or less.  Set to 0 to indicate a subcarrier grouping  equal to 8 if there are five or more transmit antennas and the bandwidth is 160 MHz.  Set to 1 to indicate a subcarrier grouping  equal to 16.  NOTE:  is optionally supported. |
| Rx\_OP\_Gain\_Type | 2 | Indicates the type of report in Rx\_OP\_Gain\_Index | Set to 0 to indicate neither Rx OP index nor Rx gain index is reported(#1160).  Set to 1 to indicate the Rx OP index is reported and the value set in the Rx\_OP\_Gain\_Index field(s) represent an RX OP index mapping(#1160).  Set to 2 to indicate the Rx gain index is reported and the value set in the Rx\_OP\_Gain\_Index field(s) represent an RF/Analog Gain Index field and a Digital Gain Index field(#1160).  The value of 3 is reserved(#1160). |
| Reserved | 3 |  |  |
| Reference Timestamp | 0 or 32 | Optionally present, inclusion signaled by the Timestamp Present field within the Presence and Control Bitmap field. | Optionally present, inclusion signaled by the Timestamp Present field within the Presence and Control Bitmap field. |

***TGbf editor: please make the following change in subclause 9.4.1.75, P49L20 in D1.2***

|  |  |  |  |
| --- | --- | --- | --- |
| Container Length | Segmentation Control | Sensing Measurement Report Control | Sensing Measurement Report |
| 2 | (#1937) 5 | 0 or (#1281) (#1937, #1155) 3or 7 | (#1577)0 or variable |
| * Sensing Measurement Report Container field format | | | | |