IEEE P802.11
Wireless LANs

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| LB272 - Comment resolutions on multistatic sensing |
| Date: 2023-07-03 |
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This submission includes the resolutions for the following four comments:

on Subclause in P802.11bf D1.0.

##### 1987, 1988, 1989, 1765

The baseline document is 802.11bf D1.1.

##### Revision history:

##### R0 – initial version

**CID: 1987**

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| CID | Clause | Page | Line | Comment | Proposed Change | Proposed resolution |
| 1987 | 28.3.3.3.2.3 | 225 | 51 | In Table 28-13, the "Multistatic Sensing" Subfield starts at bit 9. In the Baseline REVme D1.4 the first unused bit is bit number 7. Hence change the start bit to 9 and decrease all start bits in Table 28-13 by two and increase the number of reserved bits by two. | As in comment. | REVISED.Agree wth the commentor in general and TGbf editor: please revise Table 28-13 as proposed in 23/1082r0. |

TGbf editor: Please renumber the start bit of the first subfield “Multistatic Sensing” from 9 in Table 28-13 in 802.11bf D1.0 to 7, decrease all the start bit # for the following subfields, and replace the number of reserved bits from 4 to 6 (in agreement with the total number of bits in EDMG-MCS subfield equal to 21 as defined in Table 28-13 in the latest draft REVme D3.0).

For a reference, Table 28-13 specified in REVme D3.0 is shown below.



**CID: 1988, 1989**

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| CID | Clause | Page | Line | Comment | Proposed Change | Proposed resolution |
| 1988 | 28.9.3.4.2 | 228 | 52 | In Equation (28-1a) "TRN subindex BL" is used 9 times instead of "TRN\_BL" as in REVme D1.4 and in 28.9.2.2.6. Please change all 9 occurences from "TRN subindex BL" to "TRN\_BL". | As in comment. | ACCEPTEDTGbf editor: Please replace all in (28-1a) in subclause 28.9.3.4.2 of 802.11bf D1.1 with  |
| 1989 | 28.9.3.4.3 | 228 | 24 | Please change the 3 occurences of "TRN subindex BL" to "TRN\_BL" as in REVme D1.4 and in 28.9.2.2.6. | As in comment. | ACCEPTEDTGbf Editor: Please replace all in subclause 28.9.3.4.3 of 802.11bf D1.1 with  |

**CID: 1765**

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| CID | Clause | Page | Line | Comment | Proposed Change | Proposed resolution |
| 1765 | 28.9.3.3 | 227 | 43 | The text in this paragraph is a general description. How to set the PSDU Length field which relates to the duration of the Data field and the duration of the Sync field is required to be specify. | Specify the PSDU field and some of other fields in the preamble of EDMG multi-static sensing PPDU for the coexistence purpose. | REVISEDTGbf Editor: please revise the text as suggested in 11-23/1082r0 |

*Discussion:*

Discussion on how to set the PSDU Length field in EDMG-Header-A in an EDMG multistatic sensing PPDU is presented in 11-23/xxxxr0

TGbf editor: Please revise the text in subclause 28.9.3.4.3 (Sync pad definition) in 802.11bf D1.1 as below.

**28.9.3.4.3 Sync pad definition**

The Sync pad subfield is composed of symbols such that is the smallest integer resulting in an integer value of (calculated in 28.9.3.3) in octets. is equal to 18.

TGbf editor: Please add the following text after the second paragraph and before the third paragraph of subclause 28.9.3.3 (EDMG multistatic sensing PPDU header fields)

The value set in the PSDU Length field equals PSDU\_LENGTH + SYNC\_LENGTH where PSDU\_LENGTH is the length of PSDU data in octets and SYNC\_LENGTH is the length of data in octets that can generate an integer number of SC symbol blocks with the same length as the Sync field.

The number of codewords, , corresponding to SC symbol blocks is

where , , and are the GI length, coded bit per modulation symbol, number of bounded channels and codeword length, respectively.

where R is the code rate and ρ is the repetition factor.