IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Resolutions for CIDs Related to Measurement Setup ID and Termination: Part 1 | | | | |
| Date: July 22, 2022 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | Email |
| Pei Zhou | OPPO |  |  | zhoupei1@oppo.com |
|  |  |  |  |
|  |  |  |  |

Abstract

This submission proposes resolutions for CIDs 11, 46, 75, 76, 77, 80, 260, 261, 378, 492, 515 and 518.

The text used as reference is 802.11bf D0.1 and Motion 100.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Fix some typos.
* Rev 2: Motion 100 text is further revised based on offline discussion with Ali.
* Rev 3: Revised based on online discussions.

**Comments:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 75 | 9.6.7.49 | 57.53 | Measurement Setup ID field size | In 9.3.1.25.5 (and other places) the Measurement Setup ID is 1 octet (8 bits). However in 9.6.7.49 it is TBD. If the technical decision is that it is 8 bits then this should be in all places. | **Revised.**  According to online discussions with TGbf members, the upper bound of MSID is set to 5 bits. It is a temporary value that can be changed based on future contributions. The change is shown in 11-22-1168-03-00bf-resolutions-for-ms-id-and-termination-part-1 |
| 76 | 9.6.7.50 | 58.11 | Measurement Setup ID field size | In 9.3.1.25.5 (and other places) the Measurement Setup ID is 1 octet (8 bits). However in 9.6.7.50 it is TBD. If the technical decision is that it is 8 bits then this should be in all places. | **Revised.**  According to online discussions with TGbf members, the upper bound of MSID is set to 5 bits. It is a temporary value that can be changed based on future contributions. The change is shown in 11-22-1168-03-00bf-resolutions-for-ms-id-and-termination-part-1 |
| 260 | 9.6.7.49 | 57.53 | In the figure Figure 9-1002bn the length of the Measurement Setup ID is 8bits for DMG, but in figure 9-1138a the length of the MSID is TBD, please make it consistent | as in comment | **Revised.**  According to online discussions with TGbf members, the upper bound of MSID is set to 5 bits. It is a temporary value that can be changed based on future contributions. The change is shown in 11-22-1168-03-00bf-resolutions-for-ms-id-and-termination-part-1 |
| 261 | 9.6.7.49 | 58.11 | In the figure Figure 9-1002bn the length of the Measurement Setup ID is 8bits for DMG, but in figure 9-1138b the length of the MSID is TBD, please make it consistent | as in comment | **Revised.**  According to online discussions with TGbf members, the upper bound of MSID is set to 5 bits. It is a temporary value that can be changed based on future contributions. The change is shown in 11-22-1168-03-00bf-resolutions-for-ms-id-and-termination-part-1 |
| 378 | 9.6.7.49 | 57.56 | The size of Measurement setup ID should be determined as proper value (e.g., 4/8bits) | As in the comment. | **Revised.**  According to online discussions with TGbf members, the upper bound of MSID is set to 5 bits. It is a temporary value that can be changed based on future contributions. The change is shown in 11-22-1168-03-00bf-resolutions-for-ms-id-and-termination-part-1 |
| 515 | 9.6.7.49 | 57.49 | The Measurement setup ID is used to identify assigned sensing measurement parameters for the sensing measurement instance. So, it can be simply defined by using the numbering. and for that, 2 or 3ibt can be allocated. | Define the size of the Measurement setup ID. For example, 2 or 3bit can be used. | **Revised.**  According to online discussions with TGbf members, the upper bound of MSID is set to 5 bits. It is a temporary value that can be changed based on future contributions. The change is shown in 11-22-1168-03-00bf-resolutions-for-ms-id-and-termination-part-1 |
| 518 | 9.6.7.49 | 58.12 | In Figure 9-1138b, for the Measurement setup ID, we can be allocated the 1 octet and a part of the bit among the 8bit can be used for the measurement setup ID. | Replace "TBD" with "1" in figure 9-1138b and add the reserved bit after measurement setup ID field | **Revised.**  According to online discussions with TGbf members, the upper bound of MSID is set to 5 bits. It is a temporary value that can be changed based on future contributions. The change is shown in 11-22-1168-03-00bf-resolutions-for-ms-id-and-termination-part-1 |

***TGbf Editor: Please revise Figure 9-1139a (Sensing Measurement Setup Request*** ***Action field format) and*** ***Figure 9-1138b (Measurement Setup ID field format) as follows.***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Category | Public Action | Dialog Token | Measurement Setup ID | DMG Sensing Measurement Setup Element | Sensing Measurement Parameters Element |
| Octets: | 1 | 1 | 1 | 1 | TBD | TBD |

**Figure 9-1138a—Sensing Measurement Setup Request frame Action field format(#75, #260, #378, #515)**

|  |  |  |
| --- | --- | --- |
|  | Measurement Setup ID | Reserved |
| Bits: | 5 | 3 |

**Figure 9-1138b— Measurement Setup ID field format(#76, #261, #518)**

Note: The upper bound of the length of Measurement Setup ID is 5 bits. **(#75, #76, #260, #261, #378, #515, #518)**

**Comments:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 11 | 9.6.7.52 | 59.57 | The measurement setup ID information field is not defined | Measurement Setup ID field must be defined as the measurement setup ID forhte link for which the measurement setup is to be terminated. | **Revised.**  Measurement Setup ID Information Field is already revised according to Motion 100 (doc.: 11-22/798r2). The change is shown in 11-22-1168-03-00bf-resolutions-for-ms-id-and-termination-part-1 |
| 46 | 9.6.7.52 | 59.57 | The Measurement Setup ID Information field in Measurement Setup Termination frame is TBD. | More details need to be defined. A submission is needed to resolve this. | **Revised.**  Measurement Setup ID Information Field is already revised according to Motion 100 (doc.: 11-22/798r2). The change is shown in 11-22-1168-03-00bf-resolutions-for-ms-id-and-termination-part-1 |
| 77 | 9.6.7.52 | 59.42 | Measurement Setup ID (Information) name and field size | In 9.3.1.25.5 (and other places) the Measurement Setup ID is 1 octet (8 bits). However in 9.6.7.52 it is names "Measurement Setup ID Information" TBD. If the technical decision is that these are the same then name should be fixed (remove the "Information") and it is 8 bits. Note that the name is also in additional places below the table. | **Revised.**  Measurement Setup ID Information Field is already revised according to Motion 100 (doc.: 11-22/798r2). The change is shown in 11-22-1168-03-00bf-resolutions-for-ms-id-and-termination-part-1 |
| 80 | 9.6.7.52 | 59.41 | Field name should not be TBD | Field shall have a descriptive name or Reserved. | **Revised.**  The TBD field is deleted. The change is shown in 11-22-1168-03-00bf-resolutions-for-ms-id-and-termination-part-1 |
| 492 | 9.6.7.52 | 59.40 | What is the last TBD field for in Figure 9-1139e? Delete it for D1.0, or specify it if there is any specific proposal needed for efficient termination. | As in comment. | **Revised.**  The TBD field is deleted. The change is shown in 11-22-1168-03-00bf-resolutions-for-ms-id-and-termination-part-1 |

##### Note: CIDs 11, 46, 77 are already solved by Motion 100 (doc.: 11-22/798r2).

***TGbf Editor: Please revise subclause 9.6.7.52 (Sensing Measurement Setup Termination frame format) as follows.*** ***The baseline text is copied from Motion 100 and marked as blue.***

##### 9.6.7.52 Sensing Measurement Setup Termination frame format

The Sensing Measurement Setup Termination frame is used to terminate ~~one or more~~(Motion 100) sensing measurement setup~~(~~s~~)~~(Motion 100). The format of the Sensing Measurement Setup Termination frame Action field is defined in Figure 9-1139e (Sensing Measurement Setup Termination frame Action field format).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Category | Public Action | Dialog Token | Measurement Setup ID Information | (#80, #492) |
| Octets: | 1 | 1 | 1 | ~~TBD~~1(Motion 100) | (#80, #492) |

**Figure 9-1139e— Sensing Measurement Setup Termination frame Action field format**

The Category field is defined in 9.4.1.11 (Action field).

The Public Action field is defined in 9.6.7.1 (Public Action frames).

The Dialog Token field is defined in 9.4.1.12 (Dialog Token field) and set by the requesting sensing STA.

The Measurement Setup ID Information field is ~~TBD.~~ used to indicate the identifier of the sensing measurement setup to be terminated. The format of the Measurement Setup ID Information field is shown in Figure 9-xxxx (Measurement Setup ID Information field format).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Termination All TB Measurement Setups | Termination All non-TB Measurement Setups | TB/non-TB Measurement Setup Type | Measurement Setup ID |  |
| Bits: | 1 | 1 | 1 | 5 |  |

**Figure 9-xxxx – Measurement Setup ID Information field format**

Note: The upper bound of the length of Measurement Setup ID is 5 bits. (#75, #76, #260, #261, #378, #515, #518)

The Terminate All TB Measurement Setups subfield is set to 1 to indicate that the STA requests to terminate all sensing measurement setups established in the TB case, consequently TB/non-TB Measurement Setup Type subfield and Measurement Setup ID subfield are reserved. The Terminate All TB Measurement Setups subfield is set to 0 to indicate that the STA does not request to terminate all the sensing measurement setups established in the TB case.

The Terminate All non-TB Measurement Setups subfield is set to 1 to indicate that the STA requests to terminate all sensing measurement setups established in the non-TB case, consequently TB/non-TB Measurement Setup Type subfield and Measurement Setup ID subfield are reserved. The Terminate All non-TB Measurement Setups subfield is set to 0 to indicate that the STA does not request to terminate all the sensing measurement setups established in the non-TB case.

When Terminate All TB Measurement Setups subfield and the Terminate All non-TB Measurement Setups subfield are set to 0, the TB/non-TB Measurement Setup Type subfield indicates the Measurement Setup ID contained in the Measurement Setup ID subfield is assigned to TB or non-TB case. The TB/non-TB Measurement Setup Type subfield is set to 0 to indicate that the Measurement Setup ID contained in Measurement Setup ID subfield is assigned by AP for the TB measurement instance; and set to 1 to indicate the Measurement Setup ID contained in Measurement Setup ID subfield is assigned by non-AP STA for the non-TB measurement instance. (Motion 100)