IEEE P802.11
Wireless LANs

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| Resolutions for CIDs Related to Measurement Setup ID and Termination: Part 1 |
| Date: July 22, 2022 |
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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 D0.2.

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 and offline discussions. The text used as reference is changed to 802.11bf D0.2.
* Rev 4: Measurement Setup ID field is changed to Measurement Setup ID Indicator field.

**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 11-22-1168-04-00bf-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 11-22-1168-04-00bf-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 11-22-1168-04-00bf-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 11-22-1168-04-00bf-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 11-22-1168-04-00bf-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 11-22-1168-04-00bf-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 11-22-1168-04-00bf-resolutions-for-ms-id-and-termination-part-1 |

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

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

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

***TGbf Editor: Please revise Figure 9-1138b (Measurement Setup ID field format) as follows.***

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

**Figure 9-1138b— Measurement Setup ID Indicator 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)

***TGbf Editor: Please also make the following relevant changes to draft 0.2.***

**Sub-7GHz part:**

P69L13, Figure 9-1138a—Sensing Measurement Setup Request frame Action field format;

P69L31, The Measurement Setup ID field -> The Measurement Setup ID Indicator field;

P69L33, in Figure 9-1138b (Measurement Setup ID field format) -> in Figure 9-1138b (Measurement Setup ID Indicator field format);

P69L38, Figure 9-1138b— Measurement Setup ID field format;

P69L42, Measurement Setup ID -> Measurement Setup ID Indicator;

P72L16, Figure 9-1139h— SBP Response frame Action field format;

P72L37, The Measurement Setup ID field -> The Measurement Setup ID Indicator field;

P72L39, Setup ID field -> Setup ID Indicator field;

P72L52, Figure 9-1139i— SBP Termination frame Action field format;

P72L64, The Measurement Setup ID field -> The Measurement Setup ID Indicator field;

**DMG part:**

P37L13, Figure 9-110a—TDD Beamforming Information field format;

P37L38, Measurement Setup ID -> Measurement Setup ID Indicator;

P38L28, Figure 9-110b—TDD Beamforming Information field for the DMG Sensing Poll frame;

P38L37, Measurement Setup ID -> Measurement Setup ID Indicator;

P55L30, Figure 9-1002bn—Report Control field format;

P55L45, Measurement Setup ID -> Measurement Setup ID Indicator;

P56L39, Figure 9-1002bp—DMG Sensing Report element format;

P56L57, Measurement Setup ID -> Measurement Setup ID Indicator;

P65L26, Figure 9-1002cc—BRP Sensing element format;

P65L45, Measurement Setup ID -> Measurement Setup ID Indicator;

P76L7, Measurement Setup ID -> Measurement Setup ID Indicator;

P76L21, The Measurement Setup ID field -> The Measurement Setup ID Indicator field;

P76L25, Setup ID field format -> Setup ID Indicator field format;

P76L52, Measurement Setup ID -> Measurement Setup ID Indicator;

P77L5, The Measurement Setup ID field -> The Measurement Setup ID Indicator field;

P77L6, Measurement Setup ID field format -> Measurement Setup ID Indicator field format;

P99L27, set the Measurement Setup ID field -> set the Measurement Setup ID subfield in the Measurement Setup ID Indicator field;

P100L6, set the Measurement Setup ID field -> set the Measurement Setup ID subfield in the Measurement Setup ID Indicator field.

**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) and draft 0.2. The change is shown in 11-22-1168-04-00bf-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) and draft 0.2. The change is shown in 11-22-1168-04-00bf-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) and draft 0.2. The change is shown in 11-22-1168-04-00bf-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 11-22-1168-04-00bf-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 11-22-1168-04-00bf-resolutions-for-ms-id-and-termination-part-1 |

***TGbf Editor: Please revise Figure 9-1139e (Sensing Measurement Setup Termination frame Action field format) as follows.***

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

**Figure 9-1139e— Sensing Measurement Setup Termination frame Action field format(Motion 100)**

***TGbf Editor: Please revise Figure 9-1139f (Measurement Setup ID Information field format) as follows.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 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 9-1139f – Measurement Setup ID Information field format(Motion 100)**

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