IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PDT: Updates on sensing measurement setup termination frame | | | | |
| Date: 2022-05-18 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | Email |
| Pei Zhou | OPPO |  |  | zhoupei1@oppo.com |
| Lei Huang |  |  |  |
| Chaoming Luo |  |  |  |
| Ning Gao |  |  |  |

Abstract

This document includes updated text for **Clause 9.6.7.52 Sensing Measurement Setup Termination frame format** in 802.11bf draft 0.1.

**Revision history:**

* r0: Initial version.

**Discussions:**

1. According to SP 2a (Yes: 14, No: 7, Abstain: 7) of 11-22/0626r3: Updates on measurement setup termination frame, the Measurement Setup ID information field only indicates one measurement setup ID. The Measurement Setup ID Information field format is defined as below.



That is to say, the “Terminate All Measurement Setups subfied”, “TB/non-TB Measurement Setup ID subfield” and one “Measurement Setup ID field” are necessary to Sensing Measurement Setup Termination frame.

1. According to the discussion of 11-22/0721r0: Discussion on the length of measurement setup ID, we have the consensus that the reasonable length of Measurement Setup ID can be ≤ 5 bits. Therefore, we can merge “Terminate All Measurement Setups subfied”, “TB/non-TB Measurement Setup ID subfield” and “Measurement Setup ID (sub)field” into one octet to minimize the length of Sensing Measurement Setup Termination frame.

Note: The specific length of Measurement Setup ID is still TBD, but ≤ 5 bits.

Based on the discussions shown above, Sensing Measurement Setup Termination frame format is updated as below:

**9.6 Action frame format details**

**9.6.7 Public Action details**

*TGbf editor: Please update subclause 9.6.7.52 (Sensing Measurement Setup Termination frame format) as follows.*

**9.6.7.52 Sensing Measurement Setup Termination frame format**

The Sensing Measurement Setup Termination frame is used to terminate one or more sensing measurement setups. The format of the Sensing Measurement Setup Termination frame Action field is shown in Figure 9-1139e (Sensing Measurement Setup Termination frame Action field format).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Category | Public Action | Dialog Token | Measurement Setup ID Information | TBD |
| Octets: | 1 | 1 | 1 | 1 | TBD |

**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 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 Measurement Setups | TB/non-TB Measurement Setup ID | Measurement Setup ID | Reserved |
| Bits: | 1 | 1 | TBD | 6 - TBD |

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

The Terminate All Measurement Setups subfield is set to 1 to indicate that the STA requests to terminate all sensing measurement setups established in both TB and non-TB cases, then TB/non-TB Measurement Setup ID field and Measurement Setup ID field are reserved. The Terminate All Measurement Setups subfield is set to 0 to indicate that the STA requests to terminate the sensing measurement setup as indicated in Measurement Setup ID field combined with TB/non-TB Measurement Setup ID field.

The TB/non-TB Measurement Setup ID field is used to indicate the Measurement Setup ID contained in Measurement Setup ID field is assigned in TB or non-TB case. The TB/non-TB Measurement Setup ID field is set to 0 to indicate that the Measurement Setup ID contained in Measurement Setup ID field is assigned in TB case; otherwise the Measurement Setup ID contained in Measurement Setup ID field is assigned in non-TB case.