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Wireless LANs

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| TBTT Information Field Type (TIFT): Proposed content for P802.11REVmd |
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Abstract

This document proposes content to be incorporated in the development of P802.11REVmd in accordance with the proposal described in IEEE 802.11-17/0666r2. It proposes clarification, using the TBTT Information Field Type (TIFT) subfield in the Reduced Neighbor Report to specify an additional property of the reported neighbor. It also proposes to improve the value of the RNR by including an option to specify HESSID along with additional improvements. Detailed rationale is provided in IEEE 802.11-17/0666r2.

**TBTT Information Field Type (TIFT):**

**Proposed content for** **P802.11REVmd**

We propose that the following revisions be incorporated in the development of P802.11REVmd.

*• In* *P802.11-REVmd/D0.2 subclause 9.4.2.171.2,* *change the paragraph at Page 1185 Lines 14-16 as follows:*

The TBTT Information Field Type subfield is 2 bits in length ~~and defines the structure of the TBTT Information field. Its~~ ~~value is 0~~. The subfield is set to 1 when RNRs provided by neighbors in the designated channel are recommended for BSS transition and reassociation. The subfield is set to 0 otherwise. Values ~~1,~~ 2~~,~~ and 3 are reserved.

*• In P802.11-REVmd/D0.2 subclause 9.4.2.171.2,* *change Figure 9-582 at Page 1185 Lines 5-12 as follows:*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | B0 B1 | B2 | B3 | B4 B7 | B8 B15 |
|  | TBTT Information Field Type | Filtered Neighbor AP | Reserved | TBTT Information Count | TBTTInformation ~~Length~~ Indicator |
| Bits: | 2 | 1 | 1 | 4 | 8 |
| **Figure 9-582—TBTT Information Header subfield** |

*• In P802.11-REVmd/D0.2 subclause 9.4.2.171.2, change Page 1185 Lines 30-57 as follows:*

The TBTT Information ~~Length~~ Indicator subfield is 1 octet in length and ~~contains~~ indicates information about the Neighbor AP Information field, including the length in octets of each TBTT Information field that is included in the Neighbor AP Information field. ~~The TBTT Information Length subfield is 1, 5, 7, or 11 indicating the TBTT Information field contents~~. ~~Other values are reserved~~

The TBTT Information ~~Length~~ Indicator subfield is interpreted as shown in Table 9-259 (TBTT Information field).

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| **Table 9-259—TBTT Information Field** |
| **TBTT Information ~~Length~~ Indicator subfield value** | **TBTT Information field length (octets)** | **TBTT Information field contents** |
| 1 | 1 | The Neighbor AP TBTT Offset subfield |
| 5 | 5 | The Neighbor AP TBTT Offset subfield and the Short-SSID subfield |
| 7 | 7 | The Neighbor AP TBTT Offset subfield and the BSSID subfield |
| 11 | 11 | The Neighbor AP TBTT Offset subfield, the BSSID subfield and the Short-SSID subfield |
| 13 | 13 | The Neighbor AP TBTT Offset subfield, the BSSID subfield, and the HESSID subfield |
| 0, 2–4, 6, 8–10, 12, 14–255 | Reserved | Reserved |

*• In P802.11-REVmd/D0.2 subclause 9.4.2.171.2, change Figure 9-583 at Page 1186 Lines 12-19 as follows:*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Neighbor AP TBTT Offset | BSSID (conditional) | Short-SSID orHESSID (conditional) |
| Octets: | 1 | 0 or 6 | 0 or 4 or 6 |
| **Figure 9-583—TBTT Information field format** |