**IEEE P802.11
Wireless LANs**

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| CC50 CR for CID144 |
| **Date**: Mar. 24, 2025.  |
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 **Abstract**

This submission proposes resolutions for following CID received for TGbn CC50:

144

**Revisions:**

Rev 0: Initial version of the document.

***TGbn editor: The baseline for this document is P802.11bn D0.2 and P802.11REVmeD7.0***

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGbn Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbn Draft (i.e., they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGbn Editor: Editing instructions preceded by “TGbn Editor” are instructions to the TGbn editor to modify existing material in the TGbn draft. As a result of adopting the changes, the TGbn editor will execute the instructions rather than copy them to the TGbn Draft.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Pg/Ln** | **Comment** | **Proposed Change** | **Resolution** |
| 144 | 9.4.2.36 | 1068/11 | the UHR(ultra high reliability) subfield shall be included in Neighbor Report element (see 9.4.2.35) | the commenter will provide a solution on this. | Revised.Agree in principle.TGbn editor, please make the changes tagged by CID #144 in 25/0526r0. |

**Proposed Texts:**

TGbn editor: please insert the following proposed changes (CID #144).

**9.4.2.35 Neighbor Report element**

***Change Figure 9-417(BSSID Information field format) as follows:***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | B0 B1 | B2 | B3 | B4 B9 | B10 | B11 | B12 | B13 | B14 |
|  | AP Reachability | Security | Key Scope | Capabilities | Mobility Domain | High Throughput | Very High Throughput | FTM | High Efficiency |
| Bits: | 2 | 1 | 1 | 6 | 1 | 1 | 1 | 1 | 1 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | B15 | B16 | B17 | B18 | B19 | B20 | B21 | B22 | B23 | B~~2324~~B31 |
|  | ER BSS | Colocated GHz AP | Unsolicited Probe Responses Active | Members Of ESS With 2.4/5 GHz Colocated AP | OCT Supported With Reporting AP | Colocated With 6 GHz AP | Extremely High Throughput | DMG Positioning | ~~Reserved~~ Ultra High Reliability | Reserved |
| Bits: | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 |

**Figure 9-417—BSSID Information field format**

***Insert the following paragraphs after the 22th paragraph (“When the Extremely High Throughput subfield is set to 1, and when the Basic Multi-Link element...”):***

The Ultra High Reliability subfield is set to 1 to indicate that the AP represented by this BSSID (reported AP) is a UHR AP and that the UHR Capabilities element (or UHR Operation element), if included as a subelement in the report, is identical in content to the UHR Capabilities element (or UHR Operation element) that the reported AP includes in the Beacon frames it transmits. Otherwise, the Ultra High Reliability subfield is set to 0.

When the Ultra High Reliability subfield is set to 1, and when the Basic Multi-Link element is present as a subelement in the report for a reported AP, the fields included in the Basic Multi-Link element are identical in content to the corresponding fields that are present in the Basic Multi-Link element that the AP includes in the Beacon frames that it transmits.

***Change Table 9-212 (Optional subelement IDs for Neighbor Report) (not all lines shown) as follows:***

**Table 9-212—Optional subelement IDs for Neighbor Report**

|  |  |  |
| --- | --- | --- |
| **Subelement ID** | **Name** | **Extensible** |
| ... |  |  |
| 202 | UHR Capabilities | Yes |
| 203 | UHR Operation | Yes |
| ~~202~~204-220 | Reserved |  |
| ... |  |  |

***Insert the following paragraphs after the 66th paragraph (“NOTE 3—The AP follows the rules defined in 35.3.3 (Advertisement of ML information...”):***

The Data field of the UHR Capabilities subelement has the same format as the Information field of the UHR Capabilities element defined in 9.4.2.aa1 (UHR Capabilities element).

The Data field of the UHR Operation subelement has the same format as the Information field of the UHR Operation element defined in 9.4.2.aa2 (UHR Operation element).