IEEE P802.11
Wireless LANs

|  |
| --- |
| Filtered Neighbor AP subfield in Reduced Neighbor Report element |
| Date: June 26, 2020 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Abhishek Patil | Qualcomm Inc. |  |  | appatil@qti.qualcomm.com |
| Alfred Asterjadhi | Qualcomm Inc. |  |  | aasterja@qti.qualcomm.com |
| George Cherian | Qualcomm Inc. |  |  | gcherian@qti.qualcomm.com |

 Abstract

This submission proposes to undo any changes to Filtered Neighbor AP subfield in sub-clause 9.4.2.170.2 to align with recent updates to REVmd

Revisions:

* Rev 0: Initial version of the document.

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 TGax Draft. This introduction is not part of the adopted material.

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

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

Discussion:

As a resolution to CID 4695 (submitted as part of SA ballot for REVmd D3.0), TGm has decided make Filtered Neighbor AP subfield reserved for non-TVHT APs. Therefore TGax should leave this paragraph unchanged.

<https://mentor.ieee.org/802.11/dcn/20/11-20-0320-03-000m-resolution-for-cid-4695.docx>

Therefore, this document proposes to undo any changes to the paragraph describing this subfield.

In addition, TGax has defined the Same SSID subfield which serves the same purpose as Filtered Neighbor AP subfield. The new bit defined by 11ax provides per-AP level granularity and is applicable to a more general scenario (i.e., individually addressed frames such as Probe Response as well as broadcast frames such as Beacon or broadcast Probe Response or FILS Discovery frames).

* Neighbor AP Information field

*TGax editor, for the paragraph related to Filtered Neighbor AP subfield in this subclause, please undo any changes with respect to baseline (REVmd) spec and leave the paragraph unchanged*

***~~Change the 4th paragraph as follows:~~***

The Filtered Neighbor AP subfield is 1 bit in length. When included in an individually addressed Probe Response frame, it is set to 1 if the SSID corresponding to every AP in this Neighbor AP Information field matches the SSID in the corresponding Probe Request frame. When included in a Beacon, broadcast Probe Response or FILS Discovery frame transmitted by a non-TVHT AP, it is set to 1 if the SSID corresponding to every AP in this Neighbor AP Information field matches the SSID of the transmitting AP’s BSS. It is set to 0 otherwise.