IEEE P802.11
Wireless LANs

|  |
| --- |
| Resolution for CIDs related to FILS Discovery frame |
| Date: January 17, 2021 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Abhishek Patil | Qualcomm Inc |  |  | appatil@qti.qualcomm.com |
| Naveen Kakani |  |  |  |
| Youhan Kim |  |  |  |  |

 Abstract

This submission proposes resolution for comments received in LB258 (REVme D1.0) for FILS Discovery frame format.

***TGm editor: The baseline for this document is REVme D1.0.***

**Revisions:**

* Rev 0: Initial version of the document.
* Rev 1: Updated based on offline feedback

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

Part 1:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 1011 | Abhishek Patil | 9.6.7.36 | 1906 | 18 | The current text doesn't provide complete details on the role of the Operating Class subfield. Per Annex E, the operating class provides information on channel start frequency and channel separation. In addition, the primary channel may not explicitly signaled (see next paragraph). | Replace the paragraph on line 18 as: "The Operating Class subfield specifies the operating class of the transmitting AP's BSS (see 9.4.1.36 (Operating Class))." and add the following two NOTEs after the paragraph starting line 22: "NOTE 1 - If the PPDU is sent in non-HT PPDU format, the primary channel is the channel where the PPDU is received." and "NOTE 2 - The value carried in the Operation Class subfield along with the primary channel provides information related to the transmitting AP's BSS channel start frequency and channel separation (also see Annex E)." | **Revised**Agree with the comment. The cited paragraph is updated as suggested by the comment. In addition, the text in the following paragraph is updated to clarify that the Primary Channel subfield indicates the primary 20 MHz channel (also see definition of Primary 20 MHz channel on P235L8). A clarification NOTE was added after the following paragraph to provide guidance at the receiver side.**TGm editor, please implement changes as shown in** <https://mentor.ieee.org/802.11/dcn/22/11-22-0115-01-000m-lb258-resolution-for-cids-related-to-fd-frame.docx> **tagged as 1011** |
| 1012 | Abhishek Patil | 9.6.7.36 | 1906 | 34 | The paragraph starting line 34 is a duplicate of paragraph starting line 22. | Delete the paragraph starting line 34 | **Accepted**NOTE: Redline version of the changes proposed by the commenter is shown in <https://mentor.ieee.org/802.11/dcn/22/11-22-0115-01-000m-lb258-resolution-for-cids-related-to-fd-frame.docx> (tagged with 1012) to help the editor implement the changes. |
| 1010 | Abhishek Patil | 9.6.7.36 | 1901 | 26 | Description of Roaming Consortium element is missing on pg 1908. | Add description for Roaming Consortium element. | **Revised**Agree with the comment. The description for Roaming Consortium element is added as suggested by the comment.**TGm editor, please implement changes as shown in** <https://mentor.ieee.org/802.11/dcn/22/11-22-0115-01-000m-lb258-resolution-for-cids-related-to-fd-frame.docx> **tagged as 1010** |

* FILS Discovery frame format

***TGm editor: Please update the following paragraph this subclause as shown below:***

[1011]The Operating Class subfield specifies the operating class of the transmitting AP’s BSS (see 9.4.1.36 (Operating Class)).

The Primary Channel subfield is set to the channel number of the primary 20 MHz channel if the FILS Discovery frame is transmitted as a non-HT duplicate PPDU; otherwise, the subfield is not present.

[1011]NOTE – A STA might not distinguish between Non-HT and Non-HT Duplicate PPDUs in its PHY receive processing. Hence, if a FILS Discovery frame was received in a Non-HT PPDU (which could have been a Non-HT Duplicate PPDU) does not include the Primary Channel subfield, then the primary 20 MHz channel is the 20 MHz channel in which the PPDU was received.

The AP Configuration Sequence Number (AP-CSN) subfield format is defined in 9.4.2.181 (AP Configuration Sequence Number (AP-CSN) element).

The Access Network Options (ANO) subfield format is defined in Figure 9-546 (Access Network Options field format) (in 9.4.2.91 (Interworking element)).

[1012]

***TGm editor: Please add the following paragraph this subclause as shown below:***

The FILS Indication element is defined in 9.4.2.182 (FILS Indication element).

[1010]The Roaming Consortium element is defined in 9.4.2.95 (Roaming Consortium element).

The TIM element is defined in 9.4.2.5 (TIM element) and is included for operation as defined in 26.14.3 (Opportunistic power save).