IEEE P802.11
Wireless LANs

|  |
| --- |
| Resolution for CIDs related to MLO SSID setting (CC34) |
| Date: April 2, 2021 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Duncan Ho | Qualcomm Inc. | 5665 Morehouse Dr. San Diego CA 92121 USA | +1 (858) 845-3214 | dho@qti.qualcomm.com |
| Abhishek Patil |  |  |  |
| George Cherian |  |  |  |
| Alfred Asterjadhi |  |  |  |
| Gaurang Naik |  |  |  |
| Yanjun Sun |  |  |  |
| Laurent Cariou | Intel Corporation |  |  | laurent.cariou@intel.com |

 Abstract

This submission proposes resolutions for the following CIDs received for TGbe (CC34):

1058, 1580, 1674, 2168, 2506

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Add a note in section “35.3.2.2 Advertisement of complete or partial per-link information” instead to clarify the SSID value of the AP is the same as that of the reporting AP.

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

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Pg/Ln** | **Section** | **Comment** | **Proposed Change** | **Resolution** |
| 1058 | Abhishek Patil | 133.01 | 35.3.5.4 | Spec needs to provide clarity on the SSID value selected by each AP of the AP MLD and whether the AP MLD has a separate SSID. | As in comment | **Revised**Agree with the comment and added a note to clarify the SSID of the reported AP is the same as that of the reporting AP.**TGbe editor, please make changes as shown in doc 11-21/0537r1****Note to editor: Same resolution for CIDs 1058, 1580, 1674, 2168, 2506** |
| 1580 | Duncan Ho | 130.35 | 35.3.4.2 | Guidance of SSID setting on each BSS is missing | Clarify the APs of an AP MLD can set the SSID value to be the same in their beacons | **Revised**Agree with the comment and added a note to clarify the SSID of the reported AP is the same as that of the reporting AP.**TGbe editor, please make changes as shown in doc 11-21/0537r1****Note to editor: Same resolution for CIDs 1058, 1580, 1674, 2168, 2506** |
| 1674 | GEORGE CHERIAN | 129.35 | 35.3.4.2 | "unless the AP is not including its actual SSID in the SSID element of its Beacon frames":What is the rule for setting SSID? Define whether each AP is allowed to have separate SSID, Vs a single SSID. Suggest to keep things simple by restricting to a single SSID | As in the comment | **Revised**Agree with the comment and added a note to clarify the SSID of the reported AP is the same as that of the reporting AP.**TGbe editor, please make changes as shown in doc 11-21/0537r1****Note to editor: Same resolution for CIDs 1058, 1580, 1674, 2168, 2506** |
| 2168 | Laurent Cariou | 0.00 | 35.3.1 | All APs of an AP MLD shall have the same SSID | as in comment | **Revised**Agree with the comment and added a note to clarify the SSID of the reported AP is the same as that of the reporting AP.**TGbe editor, please make changes as shown in doc 11-21/0537r1****Note to editor: Same resolution for CIDs 1058, 1580, 1674, 2168, 2506** |
| 2506 | Po-Kai Huang | 129.01 | 35.3.4 | It is not clear how the client interprets the SSID from discovery AP MLD. Clearly, non-AP MLD has to see one SSID from AP MLD. Otherwise, the interpretation about mobility has confusions. | Specify that all APs in the AP MLD has the same SSID. | **Revised**Agree with the comment and added a note to clarify the SSID of the reported AP is the same as that of the reporting AP.**TGbe editor, please make changes as shown in doc 11-21/0537r1****Note to editor: Same resolution for CIDs 1058, 1580, 1674, 2168, 2506** |

***TGbe Editor: Please note, the baseline for this document is 802.11be D1.0.***

***TGbe Editor: Please modify the 10th paragraph of subclause “******35.3.2.2 Advertisement of complete or partial per-link information(#1859)” as follows:***

(#1860)When carried in a Management frame transmitted by an STA affiliated with an MLD(#2295), each Per-STA Profile subelement, that is a complete profile, shall comprise of the followings:

—(#1035)(#2451)The STA Control field (see Figure 9-788eo (STA Control field format(#1906)(#1907)(#1078)(#1475)(#2981))),

—the STA Info field (presence of subfields within the field are signaled in the STA Control field), and

—the STA Profile field with the following rules:

* + (#1036)(#1864)(#2451)(#2964)(#2586)(#1184)If the reporting STA is an AP, the STA Profile field corresponding to the reported AP carries fields and elements (subject to inheritance rules defined in 35.3.2.3 (Inheritance in a per-STA profile)) in the order defined in Table 9-39 (Probe Response frame body(#1004)(#2246)(#3359)), if the frame is a Probe Response frame, that is an ML probe response, Table 9-35 (Association Response frame body(#1004)(#2246)(#3354)), if the frame is an Association Response frame, or Table 9-37 (Reassociation Response frame body(#1004)(#2246)(#3356)), if the frame is a Reassociation Response frame.
	+ (#1036)(#2451)(#2586)(#1184)If the reporting STA is a non-AP STA, the STA Profile field cor­responding to the reported non-AP STA carries fields and elements (subject to inheritance rules defined in 35.3.2.3 (Inheritance in a per-STA profile)) in the order defined in Table 9-34 (Associ­ation Request frame body(#1004)(#2246)(#3353)) if the frame is an Assocation Request frame, or Table 9-36 (Reassociation Request frame body(#1004)(#2246)(#3355)) if the frame is a Reas­sociation Request frame.
	+ (#1035)If the reporting STA is an AP, the Timestamp field, Beacon Interval field, AID field, SSID element, TIM element, and BSS Max Idle Period element are not included in the STA Pro­file field.
	+ (#1035)If the reporting STA is a non-AP STA, the Listen Interval field and Current AP Address field are not included in the STA Profile field.
	+ (#3315)Optionally, a Non-Inheritance element appears as the last element in the profile and car­ries a list of elements that are not inherited by the reported STA from the reporting STA (see 35.3.2.3 (Inheritance in a per-STA profile)).

Note – Certain elements (e.g., SSID) are not included in the STA Profile field because the same value applies to all STAs affiliated with the reporting STA’s MLD (see 35.3.2.3 (Inheritance in a per-STA profile)).

Do you agree to the resolution provided in doc 11-21/0537r1 for the following CIDs?

1058, 1580, 1674, 2168, 2506