IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MLO – CC36 resolution to CIDs related to 35.3.9.1 | | | | |
| Date: 2021-09-20 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Laurent Cariou |  |  |  | laurent.cariou@intel.com |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause Number(C)** | **Page** | **Comment** | **Proposed Change** | **Ad-hoc Notes** | **Resolution** |
| 4112 | Abhishek Patil | 35.3.9 | 264.43 | Update the title to be descriptive of the procedures covered in this clause. | Suggest updating the title to "DFS procedures in MLO" | Volunteers: ​Gaurang Naik, Xiaofeng Wang | Revised – agree with the commenter. The general subclause 35.3.10.1 applies to all procedures where elements are included in ML element, so can be moved to subclause 35.3.2.1.  The rest of the subclause relates to channel switching, channel quieting and extended channel switching and the title can now reflect that. Apply the changes marked as #4112 in this document. |
| 4461 | Arik Klein | 35.3.9.1 | 264.48 | Use unified terminology of AP affiliated with AP MLD rather than AP of AP MLD, as in the sentence: "If a STA of a non-AP MLD receives a Management frame with a field corresponding to a reported \*AP of the AP MLD\*, then... " | The revised sentence shall be "If a non-AP STA of a non-AP STA MLD receives a Management frame with a field corresponding to a reported AP affiliated with the AP MLD, then... " | Volunteers: ​Gaurang Naik, Xiaofeng Wang | Revised – agree with the commenter. Apply the changes marked as #4461 in this document |
| 4747 | Chunyu Hu | 35.3.9 | 264.43 | This subclause has title "General procedures". Usually a "general" topic should appear in beginning of a section. Please consider how to structure the MLO section to make it better organized. Same for the BRED frame. | As commented | Volunteers: ​Gaurang Naik, Xiaofeng Wang | Revised – agree with the commenter. The general subclause 35.3.10.1 applies to all procedures where elements are included in ML element, so can be moved to subclause 35.3.2.1.  The rest of the subclause relates to channel switching, channel quieting and extended channel switching and the title can now reflect that. Apply the changes marked as #4747 in this document. |
| 5837 | Lei Wang | 35.3.9 | 264.43 | The section title "35.3.9 General procedures" is too general, not appropriate in the context. | Suggest changing the section title for 35.3.9 to the following or something similar in order to be more specific to the section content: "Channel Switching Procedures". | Volunteers: ​Gaurang Naik, Xiaofeng Wang | Revised – agree with the commenter. The general subclause 35.3.10.1 applies to all procedures where elements are included in ML element, so can be moved to subclause 35.3.2.1.  The rest of the subclause relates to channel switching, channel quieting and extended channel switching and the title can now reflect that. Apply the changes marked as #5837 in this document. |
| 6208 | Michael Montemurro | 35.3.9.1 | 264.48 | I'm not sure what behavior is being described by the cited paragraph but it doesn't look correct. | I don't understand the paragraph in the first place, but I'd be willing to collaborate on a contribution to update the paragraph once I understand what behavior it is trying to describe. | Volunteers: ​Gaurang Naik, Xiaofeng Wang | Revised – add numbering to the APs in the sentence to help clarify the meaning of the sentence. Apply the changes marked as #6208 in this document |
| 6404 | Muhammad Kumail Haider | 35.3.9 | 262.43 | "affiliated to" MLD should be changed to "affiliated with" MLD throughout this subcaluse. One example of wrong usage is link 9 on pg 265 "Then, if another AP is affiliated to the same AP MLD:" | as in comment | Volunteers: ​Gaurang Naik, Xiaofeng Wang | Revised – agree with the commenter. Apply the changes marked as #6404 in this document |
| 6732 | Rojan Chitrakar | 35.3.9 | 264.43 | The clause title "General Procedure" is still vague. | Use a more descriptive title: may be "Multi-link Operation miscellaneous procedures" or "Multi-link channel switching"? | Volunteers: ​Gaurang Naik, Xiaofeng Wang | Revised – agree with the commenter. The general subclause 35.3.10.1 applies to all procedures where elements are included in ML element, so can be moved to subclause 35.3.2.1.  The rest of the subclause relates to channel switching, channel quieting and extended channel switching and the title can now reflect that. Apply the changes marked as #6732 in this document. |
| 7461 | Thomas Derham | 35.3.9.1 | 0.00 | No idea what a "reported AP" is in the context of this subclause or the Management frames that are referenced. | Clarify | Volunteers: ​Gaurang Naik, Xiaofeng Wang | Revised - agree with the commenter. Apply the changes marked as #7461 in this document |
| 7818 | Yiqing Li | 35.3.9.1 | 264.50 | The field is sent actually by the reporting AP. | It should be "...shall follow the procedure (if any) corresponding to receiving such field from the reporting AP, as if the field was received..." | Volunteers: ​Gaurang Naik, Xiaofeng Wang | Revised – clariy the meaning of the sentence by using numbering for APs and STAs. Apply the changes marked as #7818 in this document |
| 7853 | Yonggang Fang | 35.3.9.1 | 264.53 | An broadcast action frame can be a management frame. | Please include the broadcast action frame in the Note. | Volunteers: ​Gaurang Naik, Xiaofeng Wang | Rejected – Action frames are management frames, so they are included already. |
| 7884 | Yongho Seok | 35.3.9 | 264.43 | Title of "General procedures" is too general. | Change the title to capture the content of the corresponding sub-clause. | Volunteers: ​Gaurang Naik, Xiaofeng Wang | Revised – agree with the commenter. The general subclause 35.3.10.1 applies to all procedures where elements are included in ML element, so can be moved to subclause 35.3.2.1.  The rest of the subclause relates to channel switching, channel quieting and extended channel switching and the title can now reflect that. Apply the changes marked as #7884 in this document. |

1. **Introduction**
2. **Proposed spec text**

***TGbe editor: Modify subclause 35.3.10 Multi-link general procedures as shown below:***

* + 1. **Multi-link general procedures (#2324)(#2600)**
       1. **General (#4461, #6404: affiliated with, #7461 #7818, #6208: numbering)**

If a STA (STA1) of a non-AP MLD receives a Management frame from its associated AP (AP1) with a field corresponding to a reported AP (AP2) affiliated with the same AP MLD as the associated AP (AP1), then aSTA (STA2, if any) affiliated with the non-AP MLD that operates on the link of the reported AP (AP2) and associated to it shall follow the procedure (if any) corresponding to receiving such field from the reported AP (AP2), as if that field was received by the STA (STA2) directly from the reported AP (AP2).

(#1693)NOTE 1—Management frames that would carry such information are the ones that carry Basic variant Multi- Link element.

(#3254)NOTE 2—The fields can be included in elements in the Management frame.

***TGbe editor: (#4112, #4747, #5837, #6732, #7884)***

* ***Please move all content/text of subclause 35.3.10.1 General at the end of subclause 35.3.2.1 General.***
* ***Please delete subclause 35.3.10.1 General***
* ***Please move all content/text of subclause 35.3.10.2 Channel switching, extended channel switching, and channel quieting in subclause 35.3.10 Multi-link general procedures***
* ***Please delete subclause 35.3.10.2 Channel switching, extended channel switching, and channel quieting***
* ***Please rename subclause 35.3.10 Multi-link general procedures into 35.3.10 Multi-link procedures for channel switching, extended channel switching, and channel quieting***