IEEE P802.11  
Wireless LANs

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| 802.11bi – Comment resolution Clauses 9.6.42.7, 9.4.2.349 | | | | |
| Date: March 10, 2024 | | | | |
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Abstract

This submission addresses the comments with CID:

123, 219, 951, 1020, 211

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| **CID** | **Clause Number(C)** | **Page(C)** | **Line(C)** | **Comment** | **Proposed Change** | **Resolution** |
| 123 | 9.6.42.7 | 73 | 1 | Inconsist use of "ota" and "OTA". | Change to: OTA MAC Collision Warning frame | ACCEPT  Note to editor: CID 123 is the same as 950 and both are ACCEPTED |
| 219 | 9.6.42.7 | 73 | 42 | Unclear sentence. | Please change to:" The otaMAC Collision Warning frame warns on upcoming MAC address collision with another STA". | REVISED  Revised to The OTAMAC Collision Notification frame warns of an upcoming MAC address collision with another STA in a given epoch.  Also, the Warning frame has been re-named as Notification and a new Response frame has been added.  See resolution tagged with [219] in document with DCN 25/693r1. |
| 951 | 9.6.42.7 | 73 | 3 | Bad grammar. We typically use "indicate" not "signal". It is not clear what the adjective "OTA" adds. Do we use MAC addresses in some other manner? It is not obvious what collision means (e.g., it could mean that to transmissions overlap). I don't see how a calculation can predict collision. Isn't it a comparison operation? Does it matter if the MAC addresses are used in different epochs? Presumably not. | Change to "The OTA MAC Collision Warning frame is used to indicate that a MAC address that will be used by an EDP non-AP MLD in an upcoming epoch is the same as a the MAC address that will be used by another STA in that epoch." Since we don't want to repeat information, change the sentence at 61.54 to "The OTA MAC Collison Warning element is sued in the OTA MAC Collision Warning frame (see 9.6.42.7). | REVISED  Revised to The OTAMAC Collision Notification frame warns of an upcoming MAC address collision with another STA in a given epoch.  Also, the Warning frame has been re-named as Notification and a new Response frame has been added.  See resolution tagged with [219] in document with DCN 25/693r1. |
| 1020 | 9.6.42.7 | 73 | 3 | "is used to signal when an OTA MAC address expected to be used by an EDP non-AP MLD in an upcoming epoch is calculated". Two issues. First, it is not used justby the AP MLD to signal when this ocurs, but is also used in a response from the non-AP MLD. Also, the description does nto clarify who does the calculation | Replace "is used when an OTA MAC address expected to be used by a non-AP MLD in an upcoming epoch is calculated (by the AP MLD)" | REVISED  Revised to The OTAMAC Collision Notification frame warns of an upcoming MAC address collision with another STA in a given epoch.  Also, the Warning frame has been re-named as Notification and a new Response frame has been added.  See resolution tagged with [219] in document with DCN 25/693r1. |

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| **CID** | **Clause Number(C)** | **Page(C)** | **Line(C)** | **Comment** | **Proposed Change** | **Resolution** |
| 211 | 9.4.2.349 | 62 | 10 | In some cases, multiple collision warning messages may be send to the same receiver. A dialog token is typically added to management frames to ensure that each receiver knows which management frames are new and which are retransmissions, etc. | Please add a Dialog Token to the collision warning frame. | REVISED  Editor please implement changes tagged as [211] in document with DCN 25/693r1 |

**9.6.42.7 [123] OTA ~~ota~~MAC Collision ~~Warning~~ [219] Notification frame format**

[219] ~~The~~ **~~[123] OTA~~** ~~otaMAC Collision Warning frame is used to signal when an OTA MAC address expected to be used by an EDP non-AP MLD in an upcoming epoch is calculated to collide with the MAC address of another STA.~~

[219] The [123] OTAMAC Collision ~~Warning~~ Notification frame warns of an upcoming MAC address collision with another STA in a given epoch.

**Table 9-658ac—[123] OTA ~~ota~~MAC Collision ~~Warning~~ [219] Notification frame Action field format**

|  |  |
| --- | --- |
| **Order** | **Meaning** |
| 0 | Category |
| 1 | EDP Action |
| 2 | [211] Dialog Token |
| ~~2~~ 3 | OTA MAC Collision Warning element |

The Category field is defined in 9.4.1.11 (Action field).

The EDP Action field is defined in 9.6.42.1 (EDP Action field).

[211] The Dialog Token field is defined in 9.4.1.12 (Dialog Token field).

The OTA MAC Collision Warning element is defined in 9.4.2.349 (OTA MAC Collision Warning element).

***Note to editor: Please add the following clause after 9.6.42.7.***

**[219] 9.6.42.8 OTA MAC Collision Response frame format**

[219] The OTAMAC Collision Response frame indicates the action the STA will take based on the information on the OTA MAC Collision Notification frame.

**Table 9-658ac—OTA MAC Collision Response frame Action field format**

|  |  |
| --- | --- |
| **Order** | **Meaning** |
| 0 | Category |
| 1 | EDP Action |
| 2 | Dialog Token |
| 3 | OTA MAC Collision Warning element |

The Category field is defined in 9.4.1.11 (Action field).

The EDP Action field is defined in 9.6.42.1 (EDP Action field).

The Dialog Token field is defined in 9.4.1.12 (Dialog Token field).

The OTA MAC Collision Warning element is defined in 9.4.2.349 (OTA MAC Collision Warning element).