IEEE P802.11
Wireless LANs

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| Proposed resolution for CIDs 6092-6096 |
| Date: 2023-12-07 |
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Abstract

This submission propose a comment resolutions to CIDs 6092, 603, 6094, 6095, and 6096 from REVme SA Ballot #1.

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| CID | Clause | Page | Line | Comment | Proposed Change |
| 6092 | 10.19 | 1891 | 37 | [HP] Having an equation with eqn number inside a table is confusing and hard to find | Create eqn 10-13 outside table as STA\_Partial\_Aid\_VHT = ... and reference STA\_Partial\_Aid in the table |
| 6093 | 10.19 | 1891 | 64 | [HP] Having an equation with eqn number inside a table and trying to reference it from outside the table is confusing and hard to find | Create eqn 10-13 outside table as STA\_Partial\_Aid\_VHT = ... and adjust the reference here. Also replace the square brackets with parenthesis. |
| 6094 | 10.21 | 1892 | 12 | [HP] Having an equation with eqn number inside a table is confusing and hard to find | Create eqn 10-14 outside table as STA\_Partial\_Aid\_CMMG = ... and reference STA\_Partial\_Aid\_CMMG in the table. Adjust other references to eqn 10-15 as needed. |

***Proposed resolution for CID 6092, 6093, 6094:***

Revised. Ask the REVme Editor to apply the changes below, with hotlinks for the equation number references in the tables.

***Modify Table 10-13 in Clause 10.19 as shown:***

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| Table 10-13 Settings for the TXVECTOR parameters GROUP\_ID and PARTIAL\_AID for VHT STAs |
| Condition | GROUP\_ID | PARTIAL\_AID |
| Addressed to AP | 0 | *int(*BSSID[39:47]) |
| Addressed to Mesh STA | 0 | *int(*RA[39:47]) |
| Sent by an AP and addressed to a STA associated with that AP or sent by a TDLS STA in a direct path to a TDLS peer STA | 63 | ~~(AID +~~ *~~int~~*~~(BSSID[44:47] ÅBSSID[40:43])×2~~~~5~~~~) mod 2~~~~9~~ ~~(10-13)~~STA\_Partial\_AID\_VHT (see Equation (10-13)) |
| Otherwise (see NOTE) | 63 | 0 |
| NOTE—The last row covers the following cases:1. A PPDU sent to an IBSS STA
2. A PPDU sent by an AP to a non associated STA
3. Any other condition not explicitly listed elsewhere in the table
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***Modify Table 10-14 in Clause 10.19 as shown:***

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| Table 10-14 Settings for the TXVECTOR parameter PARTIAL\_AID for CMMG STAs |
| Condition | PARTIAL\_AID |
| A frame that is not a Control frame that is addressed to an AP. |  |
| A frame that is not a Control frame that is addressed to an AP. |  |
| A frame that is not a Control frame that is sent by an AP and addressed to a STA associated with that AP or sent by a TDLS STA in a direct path to a TDLS peer STA. | ~~(~~*~~dec~~*~~(AID[0:8]) +~~ ~~(10-14)~~*~~dec~~*~~(BSSID[44:47] ÅBSSID[40:43])×2~~~~5~~~~) mod 2~~~~6~~ STA\_Partial\_AID\_CMMG (see Equation (10-14)) |
| Otherwise (see NOTE) | 0 |
| NOTE—The last row covers the following cases:1. A PPDU sent to an IBSS STA
2. A PPDU sent by an AP to a non associated STA
3. Any other condition not explicitly listed elsewhere in the table
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***Change the 8th paragraph in 10.19 as shown:***

An AP should not assign to a STA an AID that results in a 0 value ~~PARTIAL\_AID~~ STA\_Partial\_AID\_VHT ~~[~~as computed using Equation (10-13): ~~(in Table 10-13 (Settings for the TXVECTOR parameters GROUP\_ID and PARTIAL\_AID for VHT STAs))].~~

STA\_Partial\_AID\_VHT = (AID[0:8] + *int*(BSSID[44:47] ÅBSSID[40:43])×25) mod 29 (10-13)

A CMMG AP should not assign to a CMMG STA an AID that results in the ~~PARTIAL\_AID~~STA\_Partial\_AID\_CMMG value ~~[~~as computed using Equation (10-14): ~~(in Table 10-14 (Settings for the TXVECTOR parameter PARTIAL\_AID for CMMG STAs))]~~

STA\_Partial\_AID\_CMMG = (*dec*(AID[0:8]) + *dec*(BSSID[44:47] ÅBSSID[40:43])×25) mod 26 (10-14)

being equal to one of the following:

 0 or (*dec*(BSSID[39:47])mod(29 – 1)) + 1 or (*dec*()BSSID[39:47])mod(29 – 1)) + 1

where OBSSID is the BSSID of a BSS that is not the BSS of which the AP is a member and for which the AP might be heard by the STA being assigned the AID.

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| CID | Clause | Page | Line | Comment | Proposed Change |
| 6095 | 10.21 | 1896 | 10 | [HP] Having an equation with eqn number inside a table is confusing and hard to find | Create eqn 10-15 outside table as STA\_Partial\_Aid\_NDP = ... and reference STA\_Partial\_Aid\_NDP in the table. Adjust other references to eqn 10-15 as needed. |
| 6096 | 10.21 | 1896 | 31 | [HP] Having an equation with eqn number inside a table is confusing and hard to find | Create eqn 10-16 outside table as STA\_Partial\_Aid = ... and reference STA\_Partial\_Aid in the table. Adjust other references to eqn 10-16 as needed. |

***Proposed resolution for CID 6095, 6096:***

Revised. Ask the REVme Editor to apply the changes below, with hotlinks for the equation number references in the tables.

***Modify Table 10-15 in Clause 10.21 as shown:***

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| Table 10-15 Settings for the TXVECTOR parameter PARTIAL\_AID for an NDP |
| Condition | PARTIAL\_AID |
| An NDP that is intended for an AP or sentby an AP and intended for all STAs associated with that AP.(#3454) | (*int*(BSSID[39:47])) mod (29-1) + 1 |
| An NDP that is sent by an AP and intended for a STA associated with that AP or for a group of non-AP STAs with a common group AID and a common BSSID, or sent by a TDLS STA and intended for a TDLS peer STA.(#3454) | ~~(AID[0:8] + 2~~~~5~~ ~~×~~ *~~int~~*~~(BSSID[44:47] ÅBSSID[40:43])) mod 2~~~~9~~ ~~(10-15)~~STA\_Partial\_AID\_NDP (see Equation (10-15)) |
| Otherwise | 0 |

***Modify Table 10-16 in Clause 10.21 as shown:***

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| Table 10-16 Settings for the TXVECTOR parameter PARTIAL\_AID for non-1 MHz PPDUs and non-NDPs |
| Condition | PARTIAL\_AID |
| A PPDU containing one or more frames addressed to an AP; except for a PPDU that just contains a single frame, and that frame is a Control frame.(#3454) | *int*(BSSID[39:47]) mod (29-1)) + 1 |
| A PPDU containing one or more frames sent by an AP and addressed to a STA associated with that AP or to a group of STAs with a common group AID and a common BSSID, or sent by a TDLS STA in a direct path to a TDLS peer STA; except for a PPDU that just contains a single frame, and that frame is a Control frame.(#3454) | ~~(AID[0:8] + 2~~~~5~~ ~~×~~ *~~int~~*~~(BSSID[44:47] ÅBSSID[40:43])) mod 2~~~~6~~ ~~(10-16)~~STA\_Partial\_AID (see Equation (10-16)) |
| Otherwise | 0 |

***Change the 7th paragraph in 10.21 as shown:***

An S1G AP should not assign an AID that results in the ~~PARTIAL\_AID~~STA\_Partial\_AID\_NDP value ~~[~~as computed using Equation (10-15): ~~(in Table 10-15 (Settings for the TXVECTOR parameter PARTIAL\_AID for an NDP)) or Equation (10-16) (in Table 10-16 (Settings for the TXVECTOR parameter PARTIAL\_AID for non-1 MHz PPDUs and non-NDPs))]~~

STA\_Partial\_AID\_NDP = (AID[0:8] + 25 × *int*(BSSID[44:47] ÅBSSID[40:43])) mod 29 (10-15)

being equal to one of the following:

 0 or (int(BSSID[39:47]) mod (29 - 1)) + 1 or (int(OBSSID[39:47]) mod (29 - 1) + 1

where OBSSID is the BSSID of a BSS that is not the BSS of which the AP is a member and for which the AP might be heard by the STA being assigned the AID.

An S1G AP should not assign an AID that results in the ~~PARTIAL\_AID~~STA\_Partial\_AID\_NDP value ~~[~~as computed using ~~Equation (10-15) (in Table 10-15 (Settings for the TXVECTOR parameter PARTIAL\_AID for an NDP)) or~~ Equation (10-16): ~~(in Table 10-16 (Settings for the TXVECTOR parameter PARTIAL\_AID for non-1 MHz PPDUs and non-NDPs))]~~

STA\_Partial\_AID = (AID[0:8] + 25 × *int*(BSSID[44:47] ÅBSSID[40:43])) mod 26  (10-16)

being equal to one of the following:

 0 or (int(BSSID[39:47]) mod (29 - 1)) + 1 or (int(OBSSID[39:47]) mod (29 - 1) + 1

where OBSSID is the BSSID of a BSS that is not the BSS of which the AP is a member and for which the AP might be heard by the STA being assigned the AID.

**References:**

[***Draft P80211REVme\_D4.1.pdf***](https://grouper.ieee.org/groups/802/11/private/Draft_Standards/11me/Draft%20P802.11REVme_D4.0.pdf)