Extend
Wireless LANs

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| Draft Text D.1 CC9 Comment Resolution CID 214, 216, 217, 218, 221, 260, 679, 680, 681, 682, 824 |
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Abstract

This document provides resolution of CID 214, 216, 217, 218, 221, 260, 679, 680, 681, 682, and 824.

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# 0 Revision Notes

R0: First draft

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 214 | James June Wang | 9.32m.1.1 | 150 | "An AP is a sectorized beam-capable AP if it sets the sectorized beam-capable field to 1." Please note that there is no sectorized beam-capable field. According to Table 8-191e on P93, the field name should be "Sectorization Beam Capable". | In order to make the two names consistent, it is easier to change the name in Table 8-19e on P93 from "sectorization Beam capable" to "Sectorized Beam Capable" |
| 681 | Ronald Murias | 9.32m.1.1 | 150 | A STA can support both Type 0 and Type 1 sectorization, based on the the Sector Capabilityies element. | In line 38 page 150, change "Type 0 or Type 1" to "Type 0 and/or Type 1". |
| 680 | Ronald Murias | 9.32m.1.1 | 150 | wrong tense: "sets" | set |
| 679 | Ronald Murias | 9.32m.1.1 | 150 | typographical error: unwanted "full stop" after the word "element" | remove |
| 682 | Ronald Murias | 9.32m.1.1 | 150 | The sentence in line 50 page 150 seems putting the if-statement's condition and result phases in an opposite order. | Change the sentence in line 50 page 150 to the following:If an AP is a sectorized beam-capable AP, it sets the sectorized beam-capable field to 1 in the Sector Capabilities element. |
| 824 | Simone Merlin | 9.32m.1.1 | 150 | Define how capabilities are be set if AP/STA do not support the sectorization | As in comment |
| 216 | James June Wang | 9.32m.3.1 | 152 | The operation of Type 1 Sectorization is not complete. The back-off recovery is not included. | Add the following rule to below P152L20,"An AP shall use the same sectorized beam for transmission after PIFS recovery or back-off recovery in an SO TXOP." |

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| 217 | James June Wang | 9.32m.3.1 | The Type 1 operation rules are not complete. | Please add the following rule below L20 "TXOP sharing for relaying shall not be used in a SO TXOP." |
| 218 | James June Wang | 9.32m.3.1 | The rules for OBSS AP or STA to start a frame exchange is not complete. Please see proposed changes. | Add he following after L32, "Within the new spatially orthogonal exchange, an OBSS AP shall use an antenna setting which is same as the antenna setting used to detect the spatially orthogonal (SO) condition for transmission." |
| 260 | kaiying Lv | 9.32m.3.1 | In current spec draft, the duration of the sectorized beam transmission cannot be indicated in the omni-preamble of a long preamble. The NAV update process as illustrated in figure 9-44e(also 9-44g, 9-44h) is unclear. | please clarify |
| 221 | James June Wang | 9.32m.3.1 | There are some boxes missing in Figure 9-44j which makes it not consistent with other drawings in the same clause. | Fix the drawing. |

**CID214**

***Discussion***

The commenter was correct in pointing out that the sectorization beam-capable should be sectorized beam-capable for consistent naming.

***Proposed Resolution:***

Accept

***Proposed changes:***

P93L50

*Instruct the editor to change the name of Sectorization Beam capable in Table 8-191e* **Sector Capabilities element format.**

~~Sectorization Beam Capable~~ Sectorized Beam-Capable

*Instruct the editor to refer to resolution of CID 202 in “11-13-xxxx-00-00ah-CC9 Resolution of CID 201 and 202” which moves the field into S1G Capabilities.*

**CID679**

***Discussion:***

Commenter was correct that there should not be a period after element on line 54.

***Proposed Resolution:***

Accept

***Proposed changes:***

*Instruct the editor to make the following editorial corrections:*

After the exchange of the Sector Capabilities element during the Association, a Type 0 sectorized beam-capable AP shall transmit Type 0 Sectorization Scheme element~~.~~ with the Sectorization Scheme field sets to 0 to advertise its …

**CID680**

***Discussion:***

Commenter was correct in pointing out that the word “sets” on P150L54 should be “set”.

***Proposed Resolution:***

Accept

***Proposed changes:***

*Instruct the editor to make the following editorial corrections:*

After the exchange of the Sector Capabilities element during the Association, a Type 0 sectorized beam-capable AP shall transmit Type 0 Sectorization Scheme element~~.~~ with the Sectorization Scheme field set~~s~~ to 0 to advertise its …

**CID681**

***Discussion:***

Commenter was correct in pointing out that a STA can be both Type 0 and Type 1.

***Proposed Resolution:***

Accept

***Proposed changes:***

*Instruct the editor to make the following changes in P150L38 (please also refer to resolution of CID335 in which Type 0 and Type 1 name were changed):*

The STA also sets the Sectorization Type field in accordance with whether it is Type 0 and/or Type 1 Sectorization operation in the Sector Capabilities element.

**CID682**

***Discussion:***

Commenter was correct in pointing out that the sentence in line 50 page 150 puts the if-statement's condition and result phases in an opposite order.

***Proposed Resolution:***

Accept

***Proposed changes:***

*Instruct the editor to make the following changes in P150L50:*

If a~~A~~n AP is a sectorized beam-capable AP, ~~if~~ it sets the sectorized beam-capable field to 1 in the Sector Capabilities element.

**CID824**

***Discussion:***

The commenter asks how the capabilities are set if the AP/STA does not support sectorization. The “Sectorization Beam Capable” in Table 8-191e, when set to 0, indicate sectorizied operation is not supported. Please also refer to resolution of CID202 “11-13-xxxx-00-00ah-CC9 Resolution of CID 201 and 202” in which “AP Sectorized Beam-Capable” is set to 0 and “STA Sectorized Beam-Capable” is set to 0.

***Proposed Resolution:***

Counter

***Proposed changes:***

*Instruct the editor to insert the following changes in P150L51:*

If an AP or STA does not support the sectorized operation, it sets the AP Sectorization Beam Capable field in the S1G Capabilities element to 0 or the STA Sectorization Beam Capable field in the S1G Capabilities element to 0, respectively.

**CID216**

***Discussion:***

The commenter pointed out that the back-off recovery is not described for Type 1 sectorization. The following normative behavior should be added “An AP shall use the same sectorized beam for transmission after PIFS recovery or back-off recovery in an SO TXOP.”

***Proposed Resolution:***

Accept

***Proposed changes:***

*Instruct the editor to insert the following in P152L20.*

An AP shall use the same sectorized beam for transmission after PIFS recovery or back-off recovery in an SO TXOP.

**CID217**

***Discussion:***

The commenter was correct in stating that “TXOP sharing for relaying shall not be used in an SO TXOP.” during the sectorized beam operation since the sectorized beam used for TXOP sharing during relaying might not be the same.

***Proposed Resolution:***

Accept

***Proposed changes:***

*Instruct the editor to insert the following in P152L20.*

TXOP sharing for relaying shall not be used in an SO TXOP.

**CID218**

***Discussion:***

The commenter was correct in stating that “Within the new spatially orthogonal exchange, an OBSS AP shall use an antenna setting which is same as the antenna setting used to detect the spatially orthogonal (SO) condition for transmission.”

***Proposed Resolution:***

Accept

***Proposed changes:***

*Instruct the editor to insert the following in P152L20.*

Within the new spatially orthogonal exchange, an OBSS AP shall use an antenna setting which is same as the antenna setting used to detect the spatially orthogonal (SO) condition for transmission.

**CID260**

***Discussion:***

Commenter was correct in pointing out the omni-beam portion of the long format does not carry the duration (NAV). Some of the example provided is not valid.

Refer to the resolution of CID694 in “11-13-xxxx-00-00ah-CC9-Resolution-CID 685, 688-694” for drawing changes to reflect the NAV setting was set in the omni packet.

***Proposed Resolution:***

Counter

***Proposed changes:***

None – see resolution for CID 694 for updated NAV setting.

**CID221**

***Discussion:***

*The shaded omni area should be reduced to cover AP transmission such that it is consistent with other illustration.*

***Proposed Resolution:***

*Counter*

***Proposed Change:***

*Instruct the editor to make the following changes in Figure 9-44j.*

