IEEE P802.11
Wireless LANs

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| Proposed resolutions to CID 848-850, 859 |
| Date: 2017-5-9 |
| Author(s):  |
| Name | Company | Address | Phone | Email |
| Dejian Li | Huawei |  |  | dejian.li@huawei.com |
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 Abstract

This document proposes resolutions to CID 848-850, 859 for TGaj D5.0.

**Revision History**

R0: Initial version.

**Editorial comments:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CID | Clause | Page | Line | Type | Comment | Proposed Change |
| 850 | 9.6.30.6 | 82 | 52 | E | The title of the section needs to be more specific, i.e. "Allocation Request frame format" doesn't indicate what the request is for. | Specify what the request is for. |

**Discussion:**

The Allocation Request frame is already in the category of CDMG Action frame, which is used only for CDMG STAs (11aj). To further avoid potential conflicts and confusion, change the name of this frame to “CDMG Allocation Request frame”. In this way, people will all know “CDMG Allocation Request frame” is just used for CDMG STAs.

Proposed resolution: **Revised**

***Change all the “Allocation Request frame” to “CDMG Allocation Request frame” throughout the 11aj D5.0 spec .***

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| CID | Clause | Page | Line | Type | Comment | Proposed Change |
| 849 | 9.6.30.7 | 83 | 8 | E | The title of the section needs to be more specific, i.e. "Allocation Response frame format" doesn't indicate what the response is for. | Specify what the response is for. |

**Discussion:**

The Allocation Response frame is already in the category of CDMG Action frame, which is used only for CDMG STAs (11aj). To further avoid potential conflicts and confusion, change the name of this frame to “CDMG Allocation Response frame”. In this way, people will all know “CDMG Allocation Response frame” is just used for CDMG STAs.

Proposed resolution: **Revised**

***Change all the “Allocation Response frame” to “CDMG Allocation Response frame” throughout the 11aj D5.0 spec .***

**Technical comments:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CID | Clause | Page | Line | Type | Comment | Proposed Change |
| 848 | 10.64.2.2 | 142 | 7 | T | Is the guard interval mentioned in this sentence a PHY layer guard interval or an interframe space? | Please clarify. |

**Discussion:**

The guard interval here is an interframe space. We need to add description to clarify it is a frame interspace here.

Proposed resolution: **Revised10.64.2.2 CDMG BSS operating on a 1.08 GHz channel**

***Change the mentioned paragraph as follows:***

A guard interval (GI) that is an interframe space follows a NP/BHI on the 2.16 GHz channel as shown in Figure 10-89a (Example of an AP or PCP starts its infrastructure BSS or PBSS on Channel 5 by transmitting DMG Beacon frames on both Channel 2 and Channel 5) and Figure 10-89b (Example of a CDMG AP or PCP starts its infrastructure BSS or PBSS on Channel 5 through transmitting DMG Beacon frames on Channel 2 only) for CDMG STAs to switch from transmitting and receiving frames on the 2.16 GHz channel to transmitting and receiving frames on the 1.08 GHz channel. The determination of the length of the GI is implementation dependent. At the end of the GI (or the NP/BHI if the GI is not present), the AP or PCP shall be ready to transmit or receive frames on the 1.08 GHz channel indicated by the Channel Number field of the Dynamic Bandwidth Control element.

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| CID | Clause | Page | Line | Type | Comment | Proposed Change |
| 859 | 10.38.9 | 135 | 32 | T | It is not clear in what frames is the SSW report element carried, and in what place in the mentioned flows (SLS, BRP) is it sent. | Describe when and how is the SSW report element sent in the SLS and BRP phases. |

**Discussion:** SSW Report element is included in the BRP frame(s) during the first BRP phase after the SLS.

Proposed resolution: **Revised**

**9.6.22.3 BRP frame format**

***Insert the following new row at the end of Table 9-417:***

**Table 9-417—BRP frame Action field format**

|  |  |
| --- | --- |
| **Order** | **Information** |
| ... | ... |
| 7 | Enhanced Beam Tracking element |
| 8 | SSW report element |

***Insert the following new row at the end of* 9.6.22.3*:***

The SSW report element is defined in 9.4.2.225 (SSW Report element).

**10.38.9 CDMG enhanced beam tracking**

***Change the third paragraph as follows:***

The initial alternative link of the peer STA under enhanced beam tracking is configured in the BRP phase. Specifically, in the first BRP phase after the SLS, the initiator STA returns the sector and antenna IDs of the alternative link to the responder STA, via transmitting the SSW Report element or the Enhanced Beam Tracking element in the BRP frame(s) . The responder STA specifies the alternative TX AWV according to the received Report Info field or the Peer TX Antenna Parameter field. The alternative link is not used for the current data transmission.