IEEE P802.11  
Wireless LANs

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| Resolution to some 11ad related CIDs | | | | |
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Abstract

Proposes resolution to CID8008, 8038 and 8042

11mc draft 6.0 is used as reference.

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| 8038 | 1610.01 | 11.2.6.2.2 | A DMG Non-AP and non-PCP STA operating without a wakeup schedule may participate in BRP.  A BRP frame is an Action No Ack frame therefore it cannot be used to change the STA power state hence  it should be added to the list of RTS, DMG CTS-to-self, CF-End, Grant, SSW or SSW-Feedback frame. | Change as follows:  An RTS, DMG CTS-to-self, CF-End, Grant, BRP, SSW or SSW-Feedback frame. |

**Discussion**: agree with this proposed change. In addition, the same change has to be made in section 11.2.6.3.2, which applies for PCP operation.

**Proposed resolution**: Revised

**Proposed changes**:

In P1610L01, insert “BRP” in the list of frames

In P1612L56, insert “BRP” in the list of frames

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| 8042 | 1610.01 | 11.2.6.2.2 | The list of packets allowed to be sent when a STA is in doze state includes beamforming training packets such as SSW and SSW-Feedback but it is missing BRP frames that are needed to complete the beamforming training process | Add BRP to the list. |

**Discussion**: this is essentially the same comment as that of CID8038.

**Proposed resolution**: Accept

**Proposed changes**: implement the changes in CID8038

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| 8008 | 1520.01 | 10.38.3.1 | The text "A beam refinement transaction is complete when the initiator determines that it does not need further  training and it has received a BRP frame with no training requests from the beam refinement responder." Is problematic because if the response is not received, the initiator is in a "limbo" state, at least up to the end of the TxOP | We propose to add the text, "or a Period equal to BRPIFS+SLOT time have passed from the end the last transmission from the initiator" |

**Proposed resolution**: Revised

**Proposed changes**:

*Change P1520L1 as follows*

A beam refinement transaction is complete when one of the following conditions is met:

1. the initiator determines that it does not need further training and it has received a BRP frame with no training requests from the beam refinement responder
2. a duration equal to BRPIFS plus aSlotTime has elapsed since the the last transmission from the beam refinement initiator to the refinement responder without a response from the beam refinement responder.