IEEE P802.11  
Wireless LANs

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| Resolution to 11ay related CIDs | | | | |
| Date: 2017-11 | | | | |
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Abstract

This submission proposes a resolution to several CIDs submitted on the 11ay draft text. These CIDs are: 376, and 387.

The discussion is in reference to Draft IEEE P802.11ay/D0.3. The proposed resolutions are in reference to Draft IEEE P802.11ay/D0.8

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| CID | Clause | Comment | Proposed change |
| 376 | 9.4.2.257 | BTI with TRN could be long and needs to be fragmented into multiple Bis | change the sentence to: The TRN Schedule Interval field indicates the periodic interval, in number of beacon intervals, at which TRN-R subfields are present in the BTI of one or more beacon intervals.  Add a field in Fig 45 to indicate the TXSS span of the BTI with TRN |

**Discussion**:

BTIs with TRN-R subfields could be longer than BTIs without TRN-R. Fragmented TXSS within BTIs with TRN-R should be supported.

Clarifications are needed to allow multiple consecutive BTIs with TRN-R subfields in a TRN Schedule Interval for fragmented TXSS for BTIs with TRN-R.

**Proposed resolution:** Revised.

*Change the paragraph starting at line 9 Page 53 in 9.4.2.257 as follows:*

The TRN Schedule Interval field indicates the periodic interval, in number of beacon intervals, at which TRN-R subfields are present in the BTI of one or more consecutive beacon intervals. If the value of this field is zero, there is no periodicity and the presence of TRN-R fields in a BTI is determined solely by the value of the Next BTI With TRN field.

*Change the fifth paragraph in 10.38.4 as follows:*

NOTE—If an unassociated responder receives a DMG Beacon frame in the BTI with a fragmented initiator TXSS, the responder may start a responder TXSS in the subsequent A-BFT, or beamforming training for asymmetric links in the subsequent training allocation. Alternatively, it may scan for the number of beacon intervals indicated in a received TXSS Span field in order to cover a complete initiator TXSS and find a suitable TX sector from the AP or PCP to start a responder TXSS or beamforming training for asymmetric links.

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| CID | Clause | Comment | Proposed change |
| 387 | 10.38.2.1 | Legacy STA does not expect DMG beacon to have TRN-LEN>0 and may just discard any frame which has TRN-LEN >0 if it is looking for beacon  Currently the problem is alleviated by sending beacon with TRN-R periodically (i.e. not always using beacon with TRN-R), however for any legacy STA with the behavior above, it will still found itslef miss an entire BTI | Signal Next Beacon=1 in the BTI before the BI in which DMG beacon has TRN-R field, Legacy STA would think that there is no beacon transmitted in the next BI, while EDMG STA uses beacon with TRN-R in the next BI  Add a new 'EDMG Next Beacon' field,   and set both Next Beacon and EDMG Next Beacon to >1 if there is indeed no beacon in the next several BI. |

**Proposed resolution:**

Rejected

The legacy STA will still be able to decode the DMG beacon regardless whether there is TRN-R appended to the frame or not. Solutions are not needed to address this issue.