IEEE P802.11  
Wireless LANs

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| **Comment Resolution for CID 1012** |
| **Date:** 2016-04-17 |

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Abstract

This submission proposes resolution for a comment related to TGax D0.1 with the following CID:

* CID 1012

**Comment**

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| **CID** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 1012 | 44.51 | GCR allows retransmissions to support higher reliability. However, the sequence number for group addressed frames comes from a single counter (see 10.3.2.12 in REVmc D5.0). The mixed use of sequence number counter for general broadcast frames and multicast frames associated with GCR causes inefficient operation of GCR block ack procedure. This mixed use of sequence number for GCR multicast frames should be amended for HE STAs to allow efficient and easy implementation of GCR operations. | Specify another sequence number spaces for HE GCR operations, so that HE STAs can enjoy use independenet sequence numbering for GCR group members. Amend 10.3.2.12.2 Transmitter Requirements, 10.3.2.12.3 Receiver Requirements, and 11.24.16.3 GCR procedures to describe how the sequence number spaces shall be managed by HE STAs.  Alternatively, amend block ack mechanism to be able to distinguish GCR multicast flow and other traffics from a single sequence numbering. | Rejected |

**Discussion**

The commenter pointed out one of the shortcomings of GCR block ack mechanism introduced by 802.11aa.

TGax volunteers discussed direction to resolve this comment and concluded that other maintenance Task group (e.g. TGmc) was an appropriate place to resolve the issue. That is becasuse the origin of the issue is 802.11aa spec and complete splution is fixing the texts.

**Proposed resolution**

CID1012 is Rejected.

**Supplement**

This issue was raised via TGmc comment collection and discussed in TGmc teleconference pripor to the September meeting in San Diego. The details of the discussion are summaried in 11-16-0855-02-000m-resolution-for-cid8027.docx. It was concluded that the issue required time to be discussed more and future maintenance activity may be an appropriate place to addresse it.