IEEE P802.11  
Wireless LANs

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| LB200 Proposed Comment Resolutions for 10.24.16 | | | | |
| Date: 2014-03-14 | | | | |
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Abstract

This submission proposes resolutions for following MAC comments of P802.11ah D1.0 WG Letter Ballot (LB200):

* 2538, 2539

R0: Initial

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- |
| 2538 |  | 10.24.16.3.1 | The subclause 10.24.16.3.1 (Overview) of P802.11mc D1.1 specifies that dot11HighThroughputOptionImplemented shall be true for a non-DMG STA when dot11RobustAVStreamingImplemented or dot11MeshGCRImplemented is true.  This condition does not work out for S1G STA. P802.11af D6.0 does not amend 10.24.16.2 as a TVHT STA is also an HT STA. | Replace "non-DMG STA" by "STA other than DMG or S1G" in the 2nd paragraph of the subclause 10.24.16.3.1. | Revised.  An S1G STA does not use the GCR.  TGah editor to make changes shown in 11-14/0291r0 |
| 2539 |  | 10.24.16.2 | The subclause 10.24.16.2 (DMS procedures) of P802.11mc D1.1 specifies that dot11HighThroughputOptionImplemented shall be true for a non-DMG STA when dot11MgmtOptionDMSImplemented is true.  This condition does not work out for S1G STA. P802.11af D6.0 does not amend 10.24.16.2 as a TVHT STA is also an HT STA. | Add the modification of the 4th sentence of the 3rd paragraph of the subclause 10.24.16.2 as follows:  ---  dot11S1GOptionImplemented shall be true for an S1G STA, dot11DMGOptionImplemented shall be true for a DMG STA, and dot11HighThroughputOptionImplemented shall be true otherwise. | Revised.  Agree in principle.  TGah editor to make changes shown in 11-14/0291r0 |

**Discussion**

These comments relate to the group addressed transmission service that comprises two services, DMS and GCR. These services can improve reliability of the delivery of group addressed frames.

The GCR service is part of the Robust AV Streaming and a bit complex. Considering the use cases of an S1G STA, it is not necessary to support the GCR.

The DMS may be usefull for some industrial automation protocols like Ethernet/IP which are used in the use case 1d (Industrial Process Automation) and 2b (Backhaul for industrial process automation). It is better to allow the S1G STA to use the DMS.

**Resolution for CID 2538 and 2539:**

Revised. TGah editor to make changes as follows;

### 10.24.16.1 General

*Instructions to TGah Editor: Modify the subclause as follows:*

The group addressed transmission service provides delivery of group addressed frames and comprises the two services, DMS and GCR. DMG STAs and S1G STAs do not use GCR.

### 10.24.16.2 DMS procedure

*Instructions to TGah Editor: Modify the third paragraph as follows:*

Implementation of DMS is optional for a WNM STA and mandatory for a robust AV streaming STA (as defined in 10.27.1 (Robust AV streaming dependencies)). A STA that implements DMS has dot11DMSImplemented set to true. When dot11DMSImplemented is true, at least one of dot11WirelessManagementImplemented and dot11RobustAVStreamingImplemented shall be true, dot11S1GOptionImplemented shall be true for an S1G STA, dot11DMGOptionImplemented shall be true for a DMG STA, and dot11HighThroughputOptionImplemented shall be true otherwise~~for a non-DMG STA, and dot11DMGOptionImplemented shall be true for a DMG STA~~. A STA that has a value of true for dot11DMSActivated is defined as a STA that supports Directed Multicast. A STA for which dot11DMSActivated is true shall set the DMS field of the Extended Capabilities element to 1.