IEEE P802.11  
Wireless LANs

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| LB200 Proposed Comment Resolutions for 8.4.1.8, 8.4.1.24 and 8.4.1.25 | | | | |
| Date: 2014-05-13 | | | | |
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Abstract

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

* 2594, 2559, 2560

R0: Initial

R1: Revise resolution of CID #2559 and #2560 to Reject based on discussion in February 19th, 2014 Teleconference (11-14/0266r0)

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
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| 2594 |  | 8.4.1.8 | It is necessary to extend the range of the AID field (8.4.1.8) while it is used in the AID element (8.4.2.166 of P802.11ac) and the AID element is used in the DLS Request/response and TDLS Setup Request/Response frames. | Insert the subclause 8.4.1.8 (AID field) and modify the 2nd paragraph as follows:  ---  A non-DMG STA assigns the value of the AID in the range 1-2007 for a non-S1G STA and 0-8191 for an S1G STA, and places it in the 14 LSBs of the AID field, with the two MSBs of the AID field set to 1 (see 8.2.4.2 (Duration/ID field)). | Revise; |

**Discussion**

The IEEE P802.11ah D1.3 subclause 9.19a (Group ID, partial AID, Uplink Indication and Color in S1G PPDUs) specifies that an S1G STA transmitting an S1G PPDU to a DLS or TDLS peer STA obtains the AID for the peer STA from the DLS Setup Request, DLS Setup Response, TDLS Setup Request or TDLS Setup Response frame.

The DLS Setup Request, DLS Setup Response, TDLS Setup Request and TDLS Setup Response frame include the AID element (IEEE P802.11mc D2.5 subclause 8.4.2.163) which includes AID field (8.4.1.8). Therefore, it is necessary to extend the range of the AID filed value for the S1G STA.

**Proposed Resolution:**

Revised

### 8.4.1.8 AID field

*Instructions to TGah Editor: Modify the second paragraph as follows (Based on IEEE P802.11REVmc D2.5):*

A non-DMG STA assigns the value of the AID in the range 1–2007 for a non-S1G STA and 0–8191 for an S1G STA, and places it in the 14 LSBs of the AID field, with the two MSBs of the AID field set to 1 (see 8.2.4.2 (Duration/ID field)).

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
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| 2559 |  | 8.4.1.24 | In the subclause 8.4.1.24 (PSMP Parameter Set field) of IEEE P802.11mc D1.1, a PSMP Sequence Duration filed is defined as 10bit width in units of 8us. The maximum duration is 8.184ms which is too short for the S1G STA, while maximum duration of S1G PPDU is 27.840ms (from aPPDUMaxTime in Table 24-37). | Insert the subclause 8.4.1.24 (PSMP Parameter Set field), and change unit of PSMP Sequence Duration field to 80us from 8us if dot11S1GOptionImplemented is true. | Reject.  The PSMP was intended to be used for realtime, short frame application like VoIP. The current PSMP Sequence Duration is adequate for short frame transmission with medium or high bitrate.  For low bitrate use cases, RAW with RA frame can be used. |
| 2560 |  | 8.4.1.25 | In the subclause 8.4.1.25 (PSMP STA Info field) of IEEE P802.11mc D1.1, the maximum value of PSMP-DTT Start Offset field, PSMP-DTT Duration field, PSMP-UTT Start Offset field, and PSMP-UTT Duration Field is too small for an S1G STA. | Insert the subclause 8.4.1.25 (PSMP STA Info field), and change the unit of PSMP-DTT Start Offset field and PSMP-UTT Start Offset field to 40us from 4us and change the unit of PSMP-DTT Duration field and PSMP-UTT Duration field to 160us from 16us, if dot11S1GOptionImplemented is true. | Reject.  The PSMP was intended to be used for realtime, short frame application like VoIP. Current PSMP parameter values are adequate for short frame transmission with medium or high bitrate.  For low bitrate use cases, RAW with RA frame can be used. |