IEEE P802.11
Wireless LANs

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| LB 205 Comment Resolution for Clause 8.4.2.170g |
| Date: 2014-12-20 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Alfred Asterjadhi | Qualcomm Inc. | 5775 Morehouse Dr, San Diego, CA 92109 | +1-858-658-5302 | aasterja@qti.qualcomm.com |

Abstract

This submission proposes resolutions for comments in 8.4.2.170g of TGah Draft 3.0 with the following CIDs:

* 5257

Revisions:

- Rev 0: Initial version of the document

- Rev 1: Replaced “Reserved for S1G” with “Reserved, overloaded in S1G Beacon Compatibility element” for better clarity (change highlighted in green).

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGah Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGah Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGah Editor: Editing instructions preceded by “TGah Editor” are instructions to the TGah editor to modify existing material in the TGah draft. As a result of adopting the changes, the TGah editor will execute the instructions rather than copy them to the TGah Draft.***

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| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 5257 | Alfred Asterjadhi | 142.24 | 8.4.2.170g | B13 is used by 11ak for GLK so S1G needs to move the TSF Rollover Flag from here to B6 or B7 which are currently reserved. Also indicate that this B6 or B7 in the Capability Information field in 8.4.1.4 is reserved to indicate the TSF Rollover Flag. | Move the TSF Rollover Flag to B6 or B7. | Revised –Agree in principle with comment. Given that 802.11ah is in a more stable status (latest draft is D3.0) and near to moving to sponsor ballot, while the 802.11ak draft is in its early stage (currently D0.06 is the most recent draft) it is more appropriate to keep the current location for the TSF Rollover Flag in B13 for 11ah and have the EPD field defined in 802.11ak moved to B6 or B7. This is also inline with the note that can be found in the lates draft D0.0.6 of 802.11ak that indicates an intention to move the EPD field to B6 or B7.TGah editor to make the changes shown in 11-14/1610r1 under all headings that include CID 5257. |

**Discussion:** *Given that 802.11ah is in a more stable status (latest draft is D3.0) and near to moving to sponsor ballot, while the 802.11ak draft is in its early stage (currently D0.06 is the most recent draft) it is more appropriate to keep the current location for the TSF Rollover Flag in B13 for 11ah and have the EPD field defined in 802.11ak moved to B6 or B7. This is also inline with the note that can be found in the lates draft D0.0.6 of 802.11ak that indicates an intention to move the EPD field to B6 or B7:*

***“Editor’s Note: Assignment of Capability Information field bit B13 to 802.11ak was*** ***initially approved by the ANA and, at the March 2014 closing plenary, by the 802.11 WG but this has been pre-empted by 802.11ah. It may be possible to use bit B6 or B7.”***

* Capability Information field

**TGah Editor: *Change the figure below as follows in D3.0 of 11ah (#5257):***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| B0 | B1 | B2 | B3 | B4 | B5 | B6 | B7 |
| ESS | IBSS | CF Pollable | CF-Poll Request | Privacy | Short Preamble | Reserved | Reserved |
|  |  |  |  |  |  |  |  |
| B8 | B9 | B10 | B11 | B12 | B13 | B14 | B15 |
| Spectrum Management | QoS | Short Slot Time | APSD | Radio Measurement | Reserved, overloaded in S1G Beacon Compatibility element | Delayed Block Ack | Immediate Block Ack |
| * Capability Information field (non-DMG STA) (11ad)(#63)(#300)(#302)(#1256)
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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | B0 B7 | B8 | B9 B11 | B12 | B13 B15 |
|  | DMG Parameters | Spectrum Management | Reserved | Radio Measurement | Reserved  |
| Bits: | 8 | 1 | 3 | 1 | 3 |
| * Capability Information field (DMG STA)(11ad)
 |

**Note that this is not an instruction to be excecuted: *A possible resolution for 11ak that is inline with the above allocation would be as follows @D0.06 of 11ak:***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| B0 | B1 | B2 | B3 | B4 | B5 | B6 | B7 |
| ESS | IBSS | CF Pollable | CF-Poll Request | Privacy | Short Preamble | EPD | Reserved |
|  |  |  |  |  |  |  |  |
| B8 | B9 | B10 | B11 | B12 | B13 | B14 | B15 |
| Spectrum Management | QoS | Short Slot Time | APSD | Radio Measurement | Reserved | Delayed Block Ack | Immediate Block Ack |
| * Capability Information field (non-DMG STA) (11ad)(#63)(#300)(#302)(#1256)
 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | B0 B7 | B8 | B9 B11 | B12 |  | B13 B15 |
|  | DMG Parameters | Spectrum Management | Reserved | Radio Measurement |  | Reserved  |
|  | * Capability Information field (DMG STA)(11ad)
 |

* **DMG Parameters field(11ad)**

**Note that this is not an instruction to be excecuted: *A possible resolution for 11ak that is inline with the above allocation would be as follows @D0.06 of 11ak:***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | B0 B1 | B2 | B3 | B4 | B5 | B6 |  B7 |
|  | BSS Type  | CBAP Only  | CBAP Source | DMG Privacy | ECPAC Policy Enforced | EPD | Reserved  |
| Bits: | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| * **DMG Parameters(11ad)**
 |

**Note that this is not an instruction to be excecuted: *A possible resolution for 11ak that is inline with the above allocation would be as follows @D0.06 of 11ak:***

The EPD subfield is defined in 8.4.1.4 (Capability Information field).