IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LB 207 Comment Resolution for Clause 8.4.2.188 and 8.4.2.189 | | | | |
| Date: 2015-03-02 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Yuan Zhou | Institute for Infocomm Research | 1 Funisionopolis Way, Singapore | +65 6408 2472 | yzhou@i2r.a-star.edu.sg |
| Zander Lei | Institute for Infocomm Research | 1 Funisionopolis Way, Singapore |  |  |
| Shoukang Zheng | Institute for Infocomm Research | 1 Funisionopolis Way, Singapore |  |  |

Abstract

This submission proposes resolutions for comments in 8.4.2.188 and 8.4.2.189 of TGah Draft 4.0 with the following CIDs: 6121, 6217, 6218, 6219, 6220, and 6221.

Revisions:

- Rev 0: Initial version of the document

- Rev 1: Updated resolution for CID 6218, 6221.

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.***

## Comment Resolutions for Clause 24 CIDs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 6121 | 135.60 | 8.4.2.188 | When the RAW Group Indication bit is equal to 0, the RAW Group subfield is present in this RAW assignment. This is in conflict with the previous sentence that says that it is not present if it is equal to 0. | Replace "0" with "1". | **Accepted** |
| 6217 | 135.58 | 8.4.2.188 | When the RAW Group indication is equal to 0 | should be 1 | **Rejected**  RAW Group is present when RAW Group Indication is 1, and it is not present otherwise. The correction should be made in P135L60, as in CID 6121, not here. |
| 6218 | 137.60 | 8.4.2.188 | "The minimum width channel, Maximum Transmission Width, UL Activity, and DL Activity subfields are defined similarly as in 8.4.2.198", but there is no minimum width channel defined in in Channel Indication subfield | Change "minimum width channel" to "Channel Activity Bitmap" | **Revised**  -TGah editor to make the changes as shown in 11-15/0276r1 under the heading of CID 6218 |
| 6219 | 134.41 | 8.4.2.188 | The setting of bit 0 and bit 1 in the RAW type options subfield are not clearly defined. | provide clear setting for Bit 0 and 1 | **Rejected**  The definition is already in L22 P136:  “Bit 0 of the RAW Type Options (Bit 2 of the RAW Control subfield) is Paged STA indication. When it is equal to 0, the RAW can be accessed by any STA (paged or unpaged) within the RAW group specified by the RAW Group subfield. When it is equal to 1, the RAW can only be accessed by paged STAs within the RAW group specified by the RAW Group subfield. Bit 1 of the RAW Type Options (Bit 3 of the RAW ontrol subfield) is RA Frame Indication. If it is equal to 1, the AP will transmit a Resource Allocation frame, as defined in 8.8.5.4 (Resource Allocation frame format), at the beginning of the RAW defined by the RAW Assignment field of the RPS element.” |
| 6220 | 139.531 | 8.4.2.189 | equation (19-2) needs the following corrections and clarification 1. AID[7:11] should be AID[6:10], according to 8.4.2.6,  2. why is floor function used when the outcome is always an integer anyway. Should floor function be boolean function,  3. SB\_STA should be block (not sub-block) with the STA AID | change (19-2) to B\_STA=Boolean(AID[6:10]-BO) where B\_STA is the block with the STA AID | **Revised**  -TGah editor to make the changes as shown in 11-15/0276r1 under the heading of CID 6220 |
| 6221 | 140.26 | 8.4.2.189 | "The TIM Offset subfield indicates the TIM Beacon offset for the first page slice of a specific page to the DTIM Beacon that carries the Page Slice element of the assigned page." The sentence is very confusing. Does it mean TIM offset is the number of beacon intervals until the DTIM beacon carries page slice elements? What is "assigned page"? | Provide clarifications (I have no idea what modification to provide to make the sentence clear) | **Revised**  -TGah editor to make the changes as shown in 11-15/0276r1 under the heading of CID 6221 |

**CID 6218:**

Discussions: Definition of the minimum width channel also follows that in 8.4.2.198, which is clarified here.

***TGah editor: modify the paragraph starting at L54 of P137 as follows:***

The format of the Channel Indication subfield is shown in Figure 8-575a7 (Channel Indication subfield).

The Channel Activity Bitmap shows the allowed operating channels for the STAs indicated in the RAW, as defined in 9.22.5.1 (General). Each bit in the bitmap corresponds to one minimum width channel within the current BSS operating channels, with the least significant bit corresponding to the lowest numbered

operating channel of the BSS. The minimum width channel is defined according to 8.4.2.198 (Subchannel Selective Transmission (SST)), and the Maximum Transmission Width, UL Activity, and DL Activity subfields are defined similarly as in 8.4.2.198 (Subchannel Selective Transmission (SST) element).

**CID 6220:**

Discussions: Agree with the commenter that AID[7-11] should be AID[6:10], floor operation is not needed, and SB\_STA indicates a block instead of sub-block. However, Eqn. 19.2 does not return a boolean, but rather an interger that is subsequently checked.

***TGah editor: modify the paragraph starting at L49 of P139 as follows:***

For every TIM, a STA computes whether its ~~sub-~~block is included within a page slice using the following equation:

SBSTA = ~~floor(~~AID[~~7:11~~6:10]- BO~~)~~ (19-2)

where *SBSTA* is the ~~sub-~~block with the STA AID and *BO* is the value indicated in the Block Offset subfield of the Page Slice element ~~and floor(~~*~~x~~*~~) is the largest integer not greater than~~ *~~x~~*.

**CID 6221:**

Discussions: Redefines the TIM Offset as the offset in number of beacon intervals from the DTIM Beacon that carries the Page Slice element of a page to the first page slice of the page.

***TGah editor: modify the paragraph starting at L26 of P140 as follows:***

The TIM Offset subfield indicates ~~the TIM Beacon offset for the first page slice of a specific page to the DTIM Beacon that carries the Page Slice element of the assigned page.~~ the offset, in number of beacon intervals, from the DTIM Beacon that carries the Page Slice element of a page to the Beacon that carries the first page slice of the page indicated by the corresponding Page Slice element in the DTIM Beacon.