IEEE P802.11
Wireless LANs

|  |
| --- |
| LB 200 Comment Resolution for Clause 8.4.2.170v |
| Date: 2014-05-03 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Chittabrata Ghosh | Nokia | 2075 Allston Way, Suite 200, Berkeley, CA 94704 | +1-650-200-7566 | chittabrata.ghosh@nokia.com |
| Yongho Seok | LGE |  |  | yongho.seok@lge.com |

Abstract

This submission proposes resolution for comments in clause 8.4.2.170v of TGah Draft 1.1 with the following CIDs: 1149, 1150, 1439, 2303, 2736, 2943, 2944, and 2945.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 1149 | 8.4.2.170v | 124 | 18 | "Group 0000 indicates that the group IDs list refers to sectorization use."This makes no sense to me. How can the the list refer to anything? | Reword it so it makes sense. | Revised- TGah editor to make changes shown in 11-14/XXXXr0 under the heading for CID 1149, 1150, 1439, 2303, 2736, 2943, 2944, and 2945  |
| 1150 | 8.4.2.170v | 124 | 21 | "a new group ID that it is associated to the receiver stations" - wrong preposition | to -> with | Revised- TGah editor to make changes shown in 11-14/XXXXr0 under the heading for CID 1149, 1150, 1439, 2303, 2736, 2943, 2944, and 2945  |
| 1439 | 8.4.2.170v | 124 | 21 | there are multiple Group ID defined in the text with different resolutions for example Group ID defined in page 49 line 56 has 6 bits resolution while Group ID defined in page 124 line 21 has 4 bits resolution and Group ID defined in page 99 line 39 has 8 bits resolution. | either use the same definition through the text or use different names for the "Group ID", e.g. "Sectorization Group ID" | Revised- TGah editor to make changes shown in 11-14/XXXXr0 under the heading for CID 1149, 1150, 1439, 2303, 2736, 2943, 2944, and 2945  |
| 2303 | 8.4.2.170v | 124 | 18 | Are there other group types? | List all the group types here. | Revised- TGah editor to make changes shown in 11-14/XXXXr0 under the heading for CID 1149, 1150, 1439, 2303, 2736, 2943, 2944, and 2945  |
| 2736 | 8.4.2.170v | 124 | 21 | Group ID is 4-bit in length in Group ID List element. When aligned to octect boundary, it is ambiguous that whether the last Group ID is valid or some bits for padding. There are some options: (1) reserve a special Group ID field value e.g. 1111 as the padding bits; (2) Group ID field value should be in ascending or descending order. If a reserve order is found, the remaining bits are for padding. For example, if a Group ID field value of 0002 is followed by a value of 0000, then the value of 0000 is padding bits; (3) add a Group ID Count into Group ID List element to indicate the number of Group ID field in the element. | Change to "The Group ID field is a 4 bit field and it indicates a new group ID that it is associated to the receiver stations. The value of 1111 for Group ID field is reserved as the padding bits." | Revised- TGah editor to make changes shown in 11-14/XXXXr0 under the heading for CID 1149, 1150, 1439, 2303, 2736, 2943, 2944, and 2945  |
| 2943 | 8.4.2.170v | 124 | 15 | Missing 'and' in the sentence | Insert 'and it' after '...one octet length' | Revised- TGah editor to make changes shown in 11-14/XXXXr0 under the heading for CID 1149, 1150, 1439, 2303, 2736, 2943, 2944, and 2945  |
| 2944 | 8.4.2.170v | 124 | 19 | Usage of Group ID Type values other than 0000 is not specified | Specify the usage of Group ID Types values other than 0000. | Revised- TGah editor to make changes shown in 11-14/XXXXr0 under the heading for CID 1149, 1150, 1439, 2303, 2736, 2943, 2944, and 2945  |
| 2945 | 8.4.2.170v | 124 | 21 | Redundant 'it' in the sentence. | Delete 'it' after '.. A new group ID that ' | Revised- TGah editor to make changes shown in 11-14/XXXXr0 under the heading for CID 1149, 1150, 1439, 2303, 2736, 2943, 2944, and 2945  |

**CID 1149, 1150, 1439, 2303, 2736, 2943, 2944, and 2945:**

***Discussion for CID 1439***: Although there are three types of groups discussed in 802.11ah namely, sectorization group, TWT group, and MU-MIMO group, the group ID List element is used mainly for grouping based on sectorization. To emphasize this point, I have revised the first sentence to restrict the focus to sectorization-based grouping and deleted the following sentence.

**Instruction to TGah Editor: make the following changes to subclause 8.4.2.170v:**

**8.4.2.170v Group ID List element**

The Group ID List element includes the information necessary for a receiving STA to determine its sectorization group membership. ~~A station could belong to one or more groups.~~ An example of group use is the sector operation. In ~~S~~sector operation, only a set of STA groups is allowed to transmit during the sector duration. The Group ID List element can be provided in Probe Response or Association Response.

The format of the Group ID List element is presented in Figure 8-401dz (Group ID List element format).

Group ID

Group ID

Group ID

Group ID Type

Length

Element ID

Bits: 8 8 4 4 4 4

**Figure 8-401dz – Group ID List element format**

The Element ID has one octet length and it specifies the corresponding value of the Group ID List element specified in Table 8-55 (Element IDs).

The Length field is one octet length and it specifies the length of Group ID List element in octets.

The Group ID Type field is a 4 bit field and indicates the group IDs usage. The value of 0 in the Group ID Type field~~0000~~ indicates that the values in the G~~g~~roup ID~~s~~ ~~list~~ fields refer~~s~~ to STAs in sectorization use. The Group ID Type values other than 0 are reserved for other purposes.

The Group ID field is a 4 bit field and it indicates a new group ID that ~~it~~ is associated ~~to~~ with the receiver stations. A value of 15 in the Group ID field is reserved for padding bits.