IEEE P802.11
Wireless LANs

|  |
| --- |
| LB 200 Comment Resolution for Clause 8.8.5.4 |
| Date: 2014-09-03 |
| 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 |

Abstract

This submission proposes resolution for comments in clause 8.8.5.4 of TGah Draft 2.1 with the following CIDs: 3394, 3941, and 4015

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 3394 | 8.8.5.4 | 203 | 57 | No clear definition for allocation units. | change "allocation unit" to slot | RevisedThe TGah Editor to modify the text as indicated in the documentdoc.: IEEE 802.11-14/1135r2 under CID 3394 |
| 3941 | 8.8.5.4 | 201 | 54 | A format of Resource Allocation frame does not match the general Short frame format (Figure 8-681, P192L54) and the Short Management frame format (Figure 8-688, P199L3).Using a RAW group as the A1 field requires special treatment of the Resource Allocation frame and increase implementation complexity. It is better to use a broadcast MAC address or a broadcast AID as the A1 field. | Apply following changes;1) Move the RAW Group field after the BSSID field, and insert the A1 field (2 octets) after the Frame control field in the Figure 8-691 and Figure 8-692. i.e.| Frame Control | A1 | BSSID | RAW Group | ... 2 2 6 0 or 32) Inset a following text after the 3rd paragraph (P203L11);---The A1 field contains the Short ID (SID) field which is set to 0 to indicate the Broadcasting AID. | Revised The TGah Editor to modify the text as indicated in the documentdoc.: IEEE 802.11-14/1135r2 under CID 3941 |
| 4015 | 8.8.5.4 | 203 | 49 | End of RA frame transmission may vary depending on channel conditions and hence, at the time of preparing the RA frame, it is difficult to predict the Slot Start Offset if it expressed relative to the end of the RA frame transmission. It would be better to express the Slot Start Offset relative to a fixed point in time e.g. the RAW Start Time. | Change this sentence to:The Slot Start Offset subfield indicates the start time of a RAW slot, in TU, for a STA's or MU MIMO group of STAs' medium access, relative to the RAW Start Time field as defined in 8.4.2.170b (RPS element) and is length 2 octets. | RevisedThe TGah Editor to modify the text as indicated in the documentdoc.: IEEE 802.11-14/1135r2 under CID 4015  |

**CIDs 3394, 3941, and 4015**

**Instruction to TGah Editor: Change the text in subclause 8.8.5.4 in Page 204 Line 41 with the following changes:**

**8.8.5.4 Resource Allocation frame format**

**# CID 3941**

***Please change Figure 8-722a11 and Figure 8-722a12 in Page 204 Line 52 with the following figures:***

FCS

Slot

Assignment N

Slot Assignment 1

Frame Control

A1

BSSID

RAW Duration

RAW Group

Octets 2 2 6 3 2 3 or 4 3 or 4 4

**Figure 8-722a11—Resource Allocation frame format for Slot Assignment Mode 0**

FCS

Slot Assignment Indication

RAW Duration

RAW Group

BSSID

A1

Frame Control

Octets 2 2 6 3 2 variable 4

**Figure 8-722a12—Resource Allocation frame format for Slot Assignment Mode 1**

***Please include the following paragraph before Page 206 Line 17:***

The A1 field is the Short ID (8.8.3.2 Address fields) field representing a group of receiving non-AP STAs allocated in the RAW.

**#CID 4015**

***Please change the existing paragraph in Page 206 Line 54 with the following paragraph:***

The Slot Start Offset subfield indicates the start time of a RAW slot, in TU, for a STA’s or MU MIMO group of STAs’ medium access, relative to the ~~end of the RA frame transmission~~ RAW Start Time field as defined in 8.4.2.170b (RPS element) and is of length 2 octets.

**# CID 3394**

***Please change the existing paragraph in Page 206 Line 62 with the following paragraph:***

The Slot Assignment Bitmap subfield indicates the number of ~~allocation units~~ RAW slots allocted for all STAs in the RAW group in ascending order with each 4 bits corresponding to one STA. The decimal number represented by the 4 bits indicates the number of ~~allocation units~~ RAW slots for a STA. E.g.,(#Ed) "0000" indicates no allocation for

a STA. "0001" indicates one ~~allocation unit~~ RAW slot for a STA. The Slot Assignment Bitmap subfield is of variable length determined by the equation as below:

The length of Slot Assignment Bitmap = (RAW End AID- RAW Start AID+1) x 4 bits,

where the RAW End AID and RAW Start AID for the RAW group are defined in 8.4.2.170b (RPS element).