IEEE P802.11
Wireless LANs

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| 11ba D1.0 Comment Resolution for Group ID: Part II |
| Date: 2018-11-11 |
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Abstract

This submission proposes resolutions for the following comments from the letter ballot on P802.11ba D1.0:

13 CIDs: 101, 568, 1067, 1172, 1173, 622, 1174, 853, 1175, 1125, 619, 791, 1069

NOTE – Set the Track Changes Viewing Option in the MS Word to “All Markup” to clearly see the proposed text edits.

**Revision History:**

R0: Initial version.

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 TGba D1.0 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGba D1.0 Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

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

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 568 | 31.3.3 | 50.8 | Supported Group IDs field should be Group IDs support | as in comment | Revised – Agree in principle.TGba editor, please make changes as shown in doc 11-18/1826r0 under all headings that include CID 568. |
| 1067 | 31.3.3 | 50.5 | Suppoorte Group IDs --> Group IDs Support | Suppoorte Group IDs --> Group IDs Support | Revised – Agree in principle.TGba editor, please make changes as shown in doc 11-18/1826r0 under all headings that include CID 1067. |
| 1072 | 31.3.3 | 50.5 | Supported Group IDs field is not defined in the draft spec. it seems to mean "Group IDs Support subfield" defined in Table 9-318f--Subfields of the WUR Capabilities Information field | as in comment | Revised – Agree in principle.TGba editor, please make changes as shown in doc 11-18/1826r0 under all headings that include CID 1072. |
| 1073 | 31.3.3 | 50.7 | Supported Group IDs field is not defined in the draft spec. it seems to mean "Group IDs Support subfield" defined in Table 9-318f--Subfields of the WUR Capabilities Information field | as in comment | Revised – Agree in principle.TGba editor, please make changes as shown in doc 11-18/1826r0 under all headings that include CID 1073. |
| 622 | 31.3.3 | 50.15 | No reason to italicise | Romanise the 2\*\*12 | Accepted - TGba editor, please make changes as shown in doc 11-18/1826r0 under all headings that include CID 622. |
| 1174 | 31.3.3 | 50.14 | Supported Group IDs field is not defined in the draft spec. it seems to mean "Group IDs Support subfield" defined in Table 9-318f--Subfields of the WUR Capabilities Information field | as in comment | Revised – Agree in principle.TGba editor, please make changes as shown in doc 11-18/1826r0 under all headings that include CID 1174. |
| 852 | 31.3.3 | 50.18 | WUR STA should be changed to WUR non-AP STA. | As in comment. | Accepted – TGba editor, please make changes as shown in doc 11-18/1826r0 under all headings that include CID 852. |
| 1175 | 31.3.3 | 50.19 | Group ID List "field" seems to indicate Group ID List "subfield" shown in Figure 9-751c--Group ID List subfield format. fix this typo | as in comment | Revised – Agree in principle.TGba editor, please make changes as shown in doc 11-18/1826r0 under all headings that include CID 1175. |
| 101 | 31.3.3 | 50.12 | Make the Group ID List subfield separate from the WUR Parameters field. And simply call out Group ID List field here. | As in comment. | Rejected – In addition to the Group ID List subfield, the WUR Parameters field in the WUR Mode element also comprises the WUR ID subfield and WUR Channel Offset subfield, etc. It is a bit strange if only the Group ID List subfield is separated from the WUR Parameters field. |
| 1125 | 31.3.3 | 50.18 | The sentence "A WUR STA that has indicated support for group IDs shall obtain the assigned group IDs from the Group ID List field of the most recent WUR Mode element received from the WUR AP." is repetitive to what is described in the paragraphs above. | remove the sentence "A WUR STA that has indicated support for group IDs shall obtain the assigned group IDs from the Group ID List field of the most recent WUR Mode element received from the WUR AP." | Rejected – The sentence "A WUR STA that has indicated support for group IDs shall obtain the assigned group IDs from the Group ID List field of the most recent WUR Mode element received from the WUR AP” talks about WUR non-AP STA’s behaviour related to group ID assignment while what is described in the above paragraph talks about WUR AP’s behaviour related to group ID assignment. In other words, the sentence is not repetitive to what is described in the above paragraph. |
| 619 | 31.3.3 | 49.63 | "the identifier's space" -- this is not defined | Define the group ID space | Revised – Agree in principle.TGba editor, please make changes as shown in doc 11-18/1826r0 under all headings that include CID 619. |
| 1069 | 31.3.3 | 50.1 | If WUR ID is assigned based on AID as defined in 31.3.4, the lowest Group ID should not be randomly selected. | Clarify the possible range of the lowest Group ID | Revised – This CID is related to the selection of lowest group ID. Agree that the lowest group ID cannot be randomly selected in order for the group ID space to avoid collision with WUR IDs and transmit ID. However, it is impossible to specify the possible range of the lowest group ID since transmit ID is based on compressed BSSID and WUR ID may be based on AID and transmit ID.TGba editor, please make changes as shown in doc 11-18/1826r0 under all headings that include CID 1069. |
| 791 | 31.3.3 | 50.1 | The term "randomly selected" what does it mean. | Perhaps the confusion is the use of the words "ensure" and "randomly selected". One is deterministic while the other one is random. Need a better explanation. | Revised – See the resolution on CID 1069. This CID is related to the selection of lowest group ID. Agree that the lowest group ID cannot be randomly selected in order for the group ID space to avoid collision with WUR IDs and transmit ID. However, it is impossible to specify the possible range of the lowest group ID since transmit ID is based on compressed BSSID and WUR ID may be based on AID and transmit ID.TGba editor, please make changes as shown in doc 11-18/1826r0 under all headings that include CID 791. |

**Discussion:** *None.*

**Propose:** Revised for CID 619, 791, 1069, 568, 1067, 1172, 1173, 1174, 622, 852, 1175 per discussion and editing instructions in 11-18/1826r0.

***TGba editor: change 31.3.3 on P49L63 as follows:***

**31.3.3 Group ID**

A group ID identifies a group of one or more WUR non-AP STAs and is selected from a group ID space which is a subset of consecutive values obtained from the identifier’s space comprising the unsigned integers within [0 4095](#619). A WUR frame with group ID in the Address field is a group addressed WUR frame that is addressed to all the WUR STAs identified by that group ID.

The WUR AP shall select the lowest group ID of the group ID space from the identifiers’s space in such a manner that the group ID space does not collide with WUR IDs and transmit ID (#791)(#1069).

A WUR AP may assign one or more group IDs to a WUR non-AP STA that has set the Group IDs Support (#1067) (#1172) field of the WUR Capabilities element it transmits to a nonzero value. The AP shall not assign a group ID to a WUR STA that has set the Group IDs Support (#568) (#1173) field of the WUR Capabilities element it transmits to zero.

The WUR AP shall indicate the group IDs assigned to a WUR non-AP STA in the Group ID List subfield of the WUR Parameters field of the WUR Mode element that is sent to the STA. The AP shall ensure that the difference between the largest group ID and the lowest group ID assigned to the WUR STA does not exceed the value indicated in the Group IDs Support (#1174) field of the WUR Capabilities element sent by the WUR STA, where the comparison performed between the two identifiers is circular modulo 212(#622).

A WUR non-AP (#852) STA that has indicated support for group IDs shall obtain the assigned group IDs from the Group ID List subfield (#1175) of the WUR Parameters field in the most recent WUR Mode element received from the WUR AP.

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