IEEE P802.11
Wireless LANs

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| Comment resolutions for 29.5 and 29.9 |
| Date: 2019-04-10 |
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Abstract

This submission proposes resolutions for multiple comments related to TGba D2.0 with the following CIDs (5 CIDs):

* 3051, 3078, 3099, 3102, 3060

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Minor editorials for proposed resolution of CID 3051.

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 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGba 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** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 3051 | Gaurav Patwardhan | 108.58 | Add cicrular modulo 2^12 | Add "circular modulo 2^12" to the end of "AID + transmitted ID" | Rejected –No need to duplicate. Already mentioned: “The WUR AP shall either select the WUR ID randomly from the identifier’s space or calculate the WUR ID as AID + transmitter ID, where AID is the association identifier of the WUR non-AP STA, transmitter ID is the transmitter ID of the WUR AP as defined in 29.5.3 (Transmitter ID) and the addition performed between the two identifiers is circular modulo 2^12.” |
| 3060 | Gaurav Patwardhan | 119.08 | Add a note as to the need for WUR IDs to appear in increasing order in a VL WUR Wake-up frame | As in comment | Revised –Agree in principle with the comment.TGba editor: Please add the following note after the cited paragraph:“Inclusion of the STA Info fields in a VL WUR Wake-up frame in increasing order allows a WUR STA to stop processing the WUR frame once the STA locates a User Info field that contains the WUR ID of the STA or a WUR ID that is greater than the WUR ID of the STA.” |
| 3078 | Graham Smith | 107.10 | "A WUR AP ensures that each identifier is either a..." The WUR AP can't "ensure" anything. | Delete "A WUR AP ensures that". | Revised –The term “ensure” is widely used in the baseline. In order to ensure that the AP “ensures” the identifiers fall into one of those categories the proposed resolution is to make it a requirement.TGba editor: Please replace “ensures” with “shall ensure”. |
| 3099 | James Lepp | 107.22 | This sentence reads as though the WUR non-AP STA wakes up when it receives a WUR Beacon frame containing the AP's transmitter ID. I don't think waking up is the action taken in response to receiving a WUR beacon. Reword to take into account other actions that the WUR non-AP STA might take when receiving a matching ID. | Reword introductory sentence to take into account other actions that the WUR non-AP STA might take when receiving a matching ID. | Revised –Agree in principle with the comment. Proposed resolution generalizes the introductory sentence. TGba editor: Please replace “A WUR non-AP STA maintains a list of multiple IDs and may wake up upon receiving a WUR frame that contains any of these IDs.” with “A WUR non-AP STA maintains a list of multiple IDs and may process a WUR frame that contains any of these IDs.” |
| 3102 | James Lepp | 108.57 | "The WUR AP shall either select the WUR ID randomly from the identifier's space or calculate the WUR ID as AID + transmitter ID, where AID is the association identifier of the WUR non-AP STA, transmitter ID is the transmitter ID of the WUR AP as defined in 29.5.3 (Transmitter ID) and the addition performed between the two identifiers is circular modulo 212". Based on the either or definition here, it seems there is no reason to standardize what number is picked by the AP to assign to a WUR non-AP STA. | Remove this sentence and only standardize the rules to not have the WUR ID collide with the other IDs. | Rejected –The AP needs to ensure that the IDs not only do not collide with each other but also the probability of selecting an ID that collides with IDs from other APs is minimal as well. These two methods ensure that this is the case. One of the methods is a simple random selection algorithm, while the second method is a unified ID selection mechanism for an AP and STA to determine the transmitter ID, nontransmitter IDs, and so on. Each method has it own benefit, and is provided in the amendment. |

**Discussion: *None.***