IEEE P802.11  
Wireless LANs

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| CR for 30.4.4 | | | | |
| Date: 2019-05-10 | | | | |
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Abstract

This submission proposes resolutions for comments related to TGba D2.1 with the following CIDs (5 CIDs):

* 2164, 2206, 2430, 2524, 2526

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Modifying the resolution text for CID 2430 based on the discussion

***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 TGax 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** |
| 2164 | Jeongki Kim | 65.26 | WUR Group ID and transmitter ID are italic but nontransmitter ID is not italic. Any reason? Or fix it with consistency | as per comment | REVISED  Agree with principle. Italics are used only for variables in formulas.  TGba editor to make the changes shown in doc. 11-19/0803r1 under all headings that include CID 2164. |
| 2206 | Joseph Levy | 65.15 | Clause 30.4.4 contains both the definition of WUR ID and some discussion of the use of the WUR ID. This clause should only contain the definition of the WUR ID. The use of the WUR ID should be provided elsewhere in clause 30. | As in comment. This clause should only provide the definition of the WUR ID. Any discussion of where the WUR ID is used should be provided elsewhere in clause 30. | REJECTED  The comment fails to identify a technical issue. There is no clear reason why 30.4.4 cannot contain the usage of WUR ID. A WUR frame is regarded as a individually addressed WUR frame by including a WUR ID in the ID field. This statement is used widely throughout the draft, and 30.4.4 is a proper space to have such statement. |
| 2430 | Ming Gan | 65.30 | This sentence said WUR AP shall indicate the assigned WUR ID. But for the case of calculation "WUR ID as AID + transmitter ID", do we still need this indication? | add some condition in this sentence to make it clear | REJECTED  WUR ID equal to transmitter ID + AID is just a one way that WUR AP may derive a random WUR ID. However, AP still needs to indicate WUR ID because there are other ways that WUR AP may derive a random WUR ID. Otherwise we need to add additional signaling to indicate which way AP generates a WUR ID. |
| 2524 | Po-Kai Huang | 65.20 | When the WUR AP is in a multiple BSSID set, we need to make sure that WID is unique with BSSs of the multiple BSSID set. This sentence should be combined with the sentence in line 27. | Change "A WUR AP shall assign to each WUR non-AP STA a WUR ID that uniquely identifies the WUR non-AP STA within the BSS of the WUR AP." to "A WUR AP shall assign to each WUR non-AP STA a WUR ID that uniquely identifies the WUR non-AP STA within the BSS of the WUR AP if dot11MultiBSSIDImplemented is false. A WUR AP shall assign to each WUR non-AP STA a WUR ID that uniquely identifies the WUR non-AP STA within BSSs of Multiple BSSID set that the WUR AP is a member if dot11MultiBSSIDImplemented is true." Remove corresponding sentence in line 27. | ACCEPTED  TGba editor to make the changes shown in doc. 11-19/0803r1 under all headings that include CID 2524. |
| 2526 | Po-Kai Huang | 65.21 | We need to make sure that WID is unique with or without usage of multiple BSSID set. The selection phrase needs to be revised to reflect this. | Change "The WUR AP shall either select the WUR ID randomly from the identifier's space" to "The WUR AP shall either select the WUR ID randomly from the identifier's space that is not assigned to any non-AP STAs within the BSS if dot11MultiBSSIDImplemented is false or select the WUR ID randomly from the identifier's space that is not assigned to any non-AP STAs within BSSs of Multiple BSSID set that the WUR AP is a member if dot11MultiBSSIDImplemented is true " | REVISED  Agree in principle with the comment. The proposed resolution is the same as for CID 2524 which clarifies that the AP ensures the uniqueness of the WUR ID across the multiple BSSs.  TGba editor to make the changes shown in doc. 11-19/0803r1 under all headings that include CID 2526. |

**Discussion: None**

**TGba Editor: *Change the subclause as follows (#CID 2164, 2524, 2526):***

* WUR ID

A WUR ID identifies the WUR non-AP STA that is the intended recipient of the WUR frame. A WUR frame with a WUR ID in the ID field is defined as an individually addressed WUR frame that is addressed to the WUR non-AP STA identified by that WUR ID.

A WUR AP shall assign to each WUR non-AP STA a WUR ID that uniquely identifies the WUR non-AP STA within the BSS of the WUR AP if dot11MultiBSSIDImplemented is false. A WUR AP shall assign to each WUR non-AP STA a WUR ID that uniquely identifies the WUR non-AP STA within BSSs of Multiple BSSID set that the WUR AP is a member if dot11MultiBSSIDImplemented is true. *(2524, 2526)* 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 30.4.2 (Transmitter ID) and the addition performed between the two identifiers is circular modulo 212.*(2164)* The WUR AP shall ensure that the selected or calculated WUR ID is not any of WUR Group ID*,* the transmitter ID of the WUR AP, or any nontransmitter ID (if any). *(2164)* *(2524)* The WUR AP shall indicate the WUR ID assigned to a WUR non-AP STA in the WUR ID field of the WUR Mode element it sends to the WUR non-AP STA.

A WUR non-AP STA shall obtain the WUR ID from the WUR ID field of the most recent WUR Mode element received from the WUR AP.