IEEE P802.11  
Wireless LANs

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| Comment resolutions for miscellaneous CIDs | | | | |
| Date: 2020-4-28 | | | | |
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Abstract

This submission proposes resolutions for multiple comments related to TGba D6.0 with the following CIDs:

7066, 7068, 7069, 7095, 7096

Revisions:

* Rev 0: Initial version of the document.

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** | **Clause Number** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 7066 | 1.3 | 21 | 18 | The description of WUR operation as: "Defines a mechanism to enable IEEE 802.11 STAs to operate at extremely low power consumption when there is no data and to react to incoming traffic with low latency through a wake-up signal." is a very cryptic way to describe the capabilities the introduction of WUR capabilities. Please provide a clear general description of WUR functionality | Delete: Defines a mechanism to enable IEEE 802.11 STAs to operate at extremely low power consumption when there is no data and to react to incoming traffic with low latency through a wake-up signal.  Replace with: "Defines mechanisms that allow for low power operation, to extend battery life, while allowing for on demand connectivity with low latency via wake-up signaling." | Revised.  Disagree that the sentence is written in a very cryptic way but agree in principle that the sentence can be improved to describe the WUR functionalities in a more general way. Also the sentence has not been changed since D4.0.  In the sentence, the phrase “when there is no data” can be deleted to make the sentence more general.  TGba editor to make the changes shown in doc.: IEEE 802.11-20/0679r1 under all headings that include CID 7066. |
| 7068 | 3.2 | 22 | 1 | It is not clear that a WRU PPDU is a clause 30 PPDU, the definition should state so. | Edit: "A PPDU transmitted with the TXVECTOR parameter FORMAT equal to WUR\_BASIC and TXVECTOR parameter CH\_BANDWIDTH equal to WUR\_CBW\_20."  To be: "A Clause 30 PPDU transmitted with the TXVECTOR parameter FORMAT equal to WUR\_BASIC and TXVECTOR parameter CH\_BANDWIDTH equal to WUR\_CBW\_20." | Rejected.  TXVECTOR parameter FORMAT equal to WUR\_BASIC uniquely identifies that the WUR PPDU is defined in Clause 30. Also the term Clause X PPDU is not used in the baseline spec. |
| 7069 | 3.2 | 22 | 1 | It is not clear that a WRU FRMA PPDU is a clause 30 PPDU, the definition should state so. | Edit: "A PPDU transmitted with the TXVECTOR parameter FORMAT equal to WUR\_FDMA and TXVECTOR parameter CH\_BANDWIDTH equal to WUR\_CBW\_40 or WUR\_CBW\_80 or WUR\_CBW\_PUNC80-PRI or WUR\_CBW\_PUNC80-SEC or WUR\_CBW\_PUNC80-PRI-SEC-1 or WUR\_CBW\_PUNC80-PRI-SEC-2."  To be: "A Clause 30 PPDU transmitted with the TXVECTOR parameter FORMAT equal to WUR\_FDMA and TXVECTOR parameter CH\_BANDWIDTH equal to WUR\_CBW\_40 or WUR\_CBW\_80 or WUR\_CBW\_PUNC80-PRI or WUR\_CBW\_PUNC80-SEC or WUR\_CBW\_PUNC80-PRI-SEC-1 or WUR\_CBW\_PUNC80-PRI-SEC-2." | Rejected.  TXVECTOR parameter FORMAT equal to WUR\_FDMA uniquely identifies that the WUR FDMA PPDU is defined in Clause 30. Also the term Clause X PPDU is not used in the baseline spec. |
| 7095 | 9.4.2.289 | 60 | 17 | The support for 2.4GHz meaning support of WUR wake up operation and synchronization on 2.4GHz band? Or support of regular operation on 2.4 GHz band, this is not clear and need to be clarified. | as in comment | Revised.  Clarified that it is for the WUR operation.  TGba editor to make the changes shown in doc.: IEEE 802.11-20/0679r1 under all headings that include CID 7095. |
| 7096 | 9.4.2.289 | 60 | 20 | The support for 5 GHz meaning support of WUR wake up operation and synchronization on 5 GHz band? Or support of regular operation on 5 GHz band, this is not clear and need to be clarified. | as in comment | Revised.  Clarified that it is for the WUR operation.  TGba editor to make the changes shown in doc.: IEEE 802.11-20/0679r1 under all headings that include CID 7096. |

1. Overview

1.3 Supplementary information on purpose

**TGba Editor: *Change the following paragraph in subclause 1.3 in TGba Draft 6.0 as follows: (#7066)***

—Defines a mechanism to enable IEEE 802.11 STAs to operate at extremely low power consumption and to react to incoming traffic with low latency through a wake-up signal. (#7066)

**TGba Editor: *Change the following paragraph in subclause 9.4.2.289 in TGba Draft 6.0 as follows: (#7095, 7096)***

**9.4.2.289 WUR Capabilities element**

When the WUR Capabilities element is transmitted by a WUR non-AP STA, the Supported Bands field of the WUR capabilities element indicates the supported bands for the WUR operation. The format of the Supported Bands field is shown in Figure 9-787b ( Supported Bands field format).

The 2.4 GHz subfield of the Supported Bands field is set to 1 to indicate the support of the 2.4 GHz band for the WUR operation. (#7095) Otherwise, the 2.4 GHz subfield of the Supported Bands field is set to 0. The 5 GHz subfield of the Supported Bands field is set to 1 to indicate the support of the 5 GHz band for the WUR operation. (#7096) Otherwise, the 5 GHz subfield of the Supported Bands field is set to 0.