### IEEE P802.11Wireless LANs

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| 11ba D3.0 MAC Comment Resolution for WUR Beacon and Synchronization Part II |
| Date: 2019-07-03 |
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Abstract

This submission proposes resolutions for comments of TGba Draft D3.0 with the following CIDs:

3029

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Revision based on the discussion in the teleconference.

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 D3.0 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGba D3.0 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** | **Commenter** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 3029 | Gaurav Patwardhan | 109.32 | 19.6.1 | Non-AP WUR STA should invoke recovery procedures on loss of WUR beacon. This is required to support usage model numbers 2 and 7 from the usage model document (11-17-0029-10-00ba-wur-usage-model-document.pptx). | Add the following sentence at the line number: "And on not receiving WUR Beacon for dot11WURBeaconPeriod, the WUR non-AP STA shall invoke WUR scanning, unsolicited Wakeup or similar other procedure(s) using available WUR operational parameters based on latest negotiated WUR mode. Exact procedure(s) is/are implementation dependent." | Revised – Agree in principle with the commenter. After discussion with the commenter, we add the following sentence to the spec. *If a WUR non-AP STA, which is in WUR mode and doze state, does not receive WUR Beacon frames for a time period, the WUR non-AP STA should perform WUR scanning (29.12 WUR Discovery) or transition to awake state. The methods by which the WUR non-AP STA determines the exact value of the time period are implementation specific and out of scope of this standard.**NOTE – If a WUR non-AP STA does not perform any action while not receiving WUR Beacon frames for a long period of time, the WUR non-AP STA might not discover that it is already out of range of the WUR AP sending the WUR Beacon frames.*  TGba editor to make the changes shown in 11-19/1124r1 under all headings that include CID 3029 |

**Discussion:** *None.*

**Propose:** Revised for CID 3029 per discussion and editing instructions in 11-19/1124r1.

***TGba editor: Change 29.6.1 General as follows:***

**29.6 Maintaining synchronization**

**29.6.1 General**

A WUR non-AP STA that is in WUR mode expects to receive WUR Beacon frames every dot11WURBeaconPeriod.

NOTE—A WUR STA’s TSF timer has the same TSF timer accuracy requirement, which is accurate to within ±100 ppm, defined in 11.1.3.9 (TSF timer accuracy) for a non-DMG STA.

If a WUR non-AP STA, which is in WUR mode and doze state, does not receive WUR Beacon frames for a time period, the WUR non-AP STA should perform WUR scanning (29.12 WUR Discovery) or transition to awake state. The methods by which the WUR non-AP STA determines the exact value of the time period are implementation specific and out of scope of this standard.(#3029)

NOTE – If a WUR non-AP STA does not perform any action while not receiving WUR Beacon frames for a long period of time, the WUR non-AP STA might not discover that it is already out of range of the WUR AP sending the WUR Beacon frames. (#3029)

(…existing texts…)