### IEEE P802.11Wireless LANs

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| 11ba D4.0 MAC Comment Resolution for WUR Beacon and Synchronization |
| Date: 2019-10-28 |
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Abstract

This submission proposes resolutions for comments of TGba Draft D4.0 with the following CIDs:

4040, 4069

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 D4.0 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGba D4.0 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** |
| 4040 | Jon Rosdahl | 109.50 | 29.6.1 | A WUR non-AP STA that is in WUR mode expects to receive WUR Beacon frames every dot11WURBeaconPeriod and expects to receive WUR Beacon frames within on durations negotiated with the WUR AP if the WUR AP has accepted to transmit keep-alive WUR frames (see 29.8.2 (WUR mode setup). -- A WUR can not "expect" things... | Reword cited sentances to remove "expects" as the WUR non-AP STA is not a sanctioned being. Suggest change "expects to receive" to "will receive"."A WUR non-AP STA that is in WUR mode will receive WUR Beacon frames within the dot11WURBeaconPeriod. If the WUR AP has accepted a request to transmit keep-alive WUR frames (see 29.8.2 (WUR mode setup), the WUR non-AP STA will receive keep-alive WUR frames within on durations negotiated with the duration successfully negotiated with the WUR AP." | Rejected – We note that we use “expect” by following the wording used in revmd D3.0. Simple search indicates that the word “expect” has been used more than 300 times in revmd D3.0. Please see the example below.“STAs expect to receive Beacon frames at a nominal rate.”“**active mode**: A power management mode in which a nonmesh station (STA) remains in the awake state,and a mesh power management mode with respect to a neighbor peer mesh STA in which a mesh stationremains in the awake state and is expected to receive frames from this neighbor peer mesh STA.”“**deep sleep mode:** A mesh power management mode with respect to a neighbor peer mesh STA in which amesh station (STA) alternates between awake and doze states and is not expected to receive beacons from this neighbor peer mesh STA.”“**light sleep mode:** A mesh power management mode with respect to a neighbor peer mesh STA in which amesh station (STA) alternates between awake and doze states and is expected to receive beacons from this neighbor peer mesh STA.”“**successful transmission:** A transmission and the reception of its expected acknowledgment or atransmission for which no acknowledgment is expected.”We also note that change “expect” to “will receive” is also technically not true because due to EDCA, the WUR Beacon frame may not be sent at all. This is the reason why basline also uses “expect”. |
| 4069 | Michael Montemurro | 109.61 | 29.6.1 | This sentence does not make sense and WUR radios can't "expect" something to occur. | Replace " A WUR non-AP STA that is in WUR mode expects to receive WUR Beacon frames every dot11WURBeaconPeriod and expects to receive WUR Beacon frames within on durations negotiated with the WUR AP if the WUR AP has accepted to transmit keep-alive WUR frames (see 29.8.2 (WUR mode setup)." with "A WUR non-AP STA that is in WUR mode will receive WUR Beacon frames within the dot11WURBeaconPeriod. If the WUR AP has accepted a request to transmit keep-alive WUR frames (see 29.8.2 (WUR mode setup), the WUR non-AP STA will receive keep-alive WUR frames within on durations negotiated with the duration successfully negotiated with the WUR AP." | Rejected – We note that we use “expect” by following the wording used in revmd D3.0. Simple search indicates that the word “expect” has been used more than 300 times in revmd D3.0. Please see the example below.“STAs expect to receive Beacon frames at a nominal rate.”“**active mode**: A power management mode in which a nonmesh station (STA) remains in the awake state,and a mesh power management mode with respect to a neighbor peer mesh STA in which a mesh stationremains in the awake state and is expected to receive frames from this neighbor peer mesh STA.”“**deep sleep mode:** A mesh power management mode with respect to a neighbor peer mesh STA in which amesh station (STA) alternates between awake and doze states and is not expected to receive beacons from this neighbor peer mesh STA.”“**light sleep mode:** A mesh power management mode with respect to a neighbor peer mesh STA in which amesh station (STA) alternates between awake and doze states and is expected to receive beacons from this neighbor peer mesh STA.”“**successful transmission:** A transmission and the reception of its expected acknowledgment or atransmission for which no acknowledgment is expected.”We also note that change “expect” to “will receive” is also technically not true because due to EDCA, the WUR Beacon frame may not be sent at all. This is the reason why basline also uses “expect”. |

**Discussion:** *None.*