IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Assorted CRs 11ba Draft 4.0 | | | | |
| Date: November 4, 2019 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Menzo Wentink | Qualcomm | Utrecht, The Netherlands | +31-65-183-6231 | mwentink  @qti.qualcomm.com |

Abstract

This document contains assorted comment resolutions for 802.11ba draft 4.0, addressing CIDs

1. 4034 4068 4073 4121

The baseline for this document is Draft P802.11ba D4.0.

|  |  |  |  |
| --- | --- | --- | --- |
| **Identifiers** | **Comment** | **Proposed Change** | **Resolution** |
| CID 4034 29.13 131.9 James Lepp | Unlike some of the other WUR frame types, the WUR Short Wake-up frame is sent to wake up a single STA. As such it is appropriate to provide rules for EDCAF. | Add the sentence to 29.13. "The WUR AP should transmit WUR Short Wake-up frames with the EDCAF AC corresponding to the buffered data units it has for the non-AP STA." | Rejected - the channel access rules for WUR frames (which includes the WUR Short Wakeup frame) are already present in 23.9 (Channel access):  "Before transmitting a WUR frame, a WUR AP shall contend for the medium as defined in 10.24.2 (HCF contention based channel access (EDCA)) and 10.3.2 (Procedures common to the DCF and EDCAF):  —The WUR AP may use any AC for sending a WUR frame.  —etc." |
| CID 4068 29.3 106.19 Michael Montemurro | The draft references frame exchanges in Annex G, however there are no frame exchanges for WUR defined in Annex G. Furthermore this clause discusses Channel Access so why is it referencing Channel access. | Delete the cited sentence. | Revised - agree with the comment.  At 106.16, delete  "For the purpose of determining the duration of the frames, a WUR frame shall be considered to be a QoS Data frame with No Ack ack policy (see Annex G (Frame exchange sequences))." |
| CID 4073 29.3 106.17 Osama Aboulmagd | "WUR frame shall be considered to be a QoS Data frame"; What does this mean. A QoS Data frame includes QoS Control field. The WUR frame doesn't have QoS Control field as one of its fields and cannot be considered a QoS Data Frame. | Make it clear in what sense a WUR Frame is considered a QoS Data Frames | Revised - agree with the comment.  At 106.16, delete  "For the purpose of determining the duration of the frames, a WUR frame shall be considered to be a QoS Data frame with No Ack ack policy (see Annex G (Frame exchange sequences))."  (Note: same resolution as for CID 4068.) |
| CID 4121 29.3 106.10 Vincent Knowles IV Jones | Mandate CTS-self for all WUR frame transmissions. The WUR PHY uses OOK and will likely cause legacy devices to have unpredicable behavior. In order to protect WUR frames on the air, mandate the transmission of CTS-self prior to any WUR frame. | Add bullet: WUR AP shall proceed any WUR frame with a CTS-self frame | Rejected - changes will be made to the OOK signal to address this issue. |