**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |
| --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **DraftC comment resolution - Round Skipping - CIDs 160, 612** |
| Date Submitted | May 02, 2024 |
| Sources | Alex Krebs (Apple)krebs @ apple.com |
| Re: |   |
| Abstract |  |
| Purpose | To propose resolution for MMS related comments for “P802.15.4ab™/D (pre-ballot) C Draft Standard for Low-Rate Wireless Networks”. |
| Notice | This document does not represent the agreed views of the IEEE 802.15 Working Group or IEEE 802.15.4ab Task Group. It represents only the views of the participants listed in the “Sources” field above.It is offered as a basis for discussion and is not binding on the contributing individuals. The material in this document is subject to change in form and content after further study. The contributors reserve the right to add, amend or withdraw material contained herein. |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **CID** | **p.** | **Sub-clause** | **l.** | **Comment** | **Proposed Change** | **Proposed Resolution** |
| Rojan Chitrakar | 612 | 53 | 10.38.4.2 | 12 | How does a device request to skip a ranging block during control phase? Please clarify. | as in comment | Revise. (see resolved dup #14 --> accepted to remove the text regarding "skip ranging block during control phase") |
| Benjamin Rolfe | 160 | 50 | 10.38.4.1 | 11 | This clause uses "LBT" to mean channel access using a CCA method other than mode 4. This method is defined in this standards as either CSMA or SSBB with (I am assuming) phyCcaMode set to 1 (energy above threshold). Also some of the wording is unclear (not sure what "warrant the transmission" means but making a guess). | Update to receipt terminology consistent with the base standard, as follows:For the NBA, channel access may use (LBT) functionality defined in 10.38.8.3. Note that some regulatory domains require channel access using some form of LBT. When channel access fails at the beginning of the ranging slot, transmission shall be deferred for the remainder of the ranging round.An initiator shall discontinue the UWB MMS ranging round if any of following conditions are met: (a) channel access failure occurs on the attempt to transmit the poll Compact frame; (b) The initiator fails to receive the response Compact frame at the expected ranging slot; (c) All devices have requested to skip ranging for the current ranging block during control phase.A responder shall discontinue the UWB MMS ranging round if any of following conditions are met: (a) The responder fails to receive the poll Compact frame at the beginning of the expected ranging round; (b) Channel access fails on the attempt to transmit the response Compact frame; (c) All devices have requested to skip ranging for the current ranging block during control phase. If the UWB MMS ranging round is terminated before completion, the involved devices defer transmission (NB or UWB) until the next ranging round.  | Revise. (Accept, but remove c) options, following earlier accepted #14 from Li-Hsiang. Also this is referring to page 51 i believe?) |