**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | Proposed Resolution for CID 144 |
| Date Submitted | July 2025 |
| Sources | Xiliang Luo (Apple) |
| Re: |  |
| Abstract |  |
| Purpose | To propose resolutions to comments for “*P802.15.4ab™/D02 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. |

[1 CID #962 (Revised, more discussions) 3](#_Toc176980846)

# CID #144 (Revised)

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| **Name** | **Idx #** | **Cat.** | **Pg.** | **Sub-clause** | **Line #** | **Comment** | **Proposed Change** |
| Luo, Xiliang | 144 | Technical | 222 | 16.2.11.1 | 5 | We should clarify the meaning of the timing durations like 1 ms in Figure 205, the time interval A in Figure 24, etc.  This was discussed as in Doc: 15-24-0632-00-04ab | Add the following paragraph after line 5 and before line 6:  In Figure 205, the start time of each fragment refers to the peak of the pulse in the first chip of that fragment. The time interval of 1 ms correponds to 499200 chips.  In Figure 24, the start time of the NB packet is defined as the peak of the first half-sine pulse transmitted in the in-phase branch. In interleaving mode as in Figure 40, the time interval A corresponds to (macMmsRcpPollNSlots + macMmsRcpRespNSlots) ranging slots. Each ranging slot is specified in the unit of RSTU. One RSTU corresponds to 416 chips. In non-interleaving mode as in Figure 43, the time interval A corresponds to macMmsRcpPollNSlots ranging slots or macMmsRcpRespNSlots ranging slots. |

**Resolution:**

In page 222, add the following paragraphs after line 5 and before line 6:  
  
In Figure 205, the start time of each fragment refers to the peak of the pulse in the first chip of that fragment and the start time of the MMS UWB packet is the start time of the first fragment. One time interval of 1 ms corresponds to 499200 chips.

In Figure 24, the start time of the NB packet is defined as the start of the first half-sine pulse transmitted in the in-phase branch. The start of one half-sine pulse refers to the timing which is one Tc=0.5us before the peak of that half-sine pulse.

In interleaving mode as in Figure 40, the time interval A corresponds to (macMmsRcpPollNSlots + macMmsRcpRespNSlots) ranging slots. Each ranging slot is specified in the unit of RSTU. One RSTU corresponds to 416 chips. In non-interleaving mode as in Figure 43, the time interval A corresponds to macMmsRcpPollNSlots ranging slots or macMmsRcpRespNSlots ranging slots.