**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |
| --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **LB213/D02 comment resolution -- CID 27** |
| Date Submitted | July 1, 2025 |
| Sources | Alex Krebs (Apple)  krebs @ apple.com |
| Re: |  |
| Abstract |  |
| Purpose | To propose resolution for MMS related 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. |

**Table of contents**

[CID 27 4](#_Toc203418038)

# CID 27

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Index #** | **Page** | **Sub-clause** | **Line #** | **Comment** | **Proposed Change** |
| CHITRAKAR, ROJAN | 27 | 97 | 10.39.11.1.3.1 | 16 | The Message Version field doesn't seem to be used in any Compact frame. If it is not used anywhere, its existence is not justified. | Organize the applicable Compact frame variants (e.g., the O2M Poll Compact frame) into various Message Versions based on their intended use, e.g., a basic version, a version used for contention based O2M, a version for time-efficient O2M etc. |

Discussion: Message version use has been proposed in DCN 15-23-258 as a way to maintain backward compatibility and interoperability between devices. E.g. if the POLL frame with MessageControl=0 and MessageVersion=0 is superseded in a future 4ab revision standard by a "better" POLL frame with MessageControl=0 and MessageVersion>0, then this means that the initialization handshake between two devices will result in the initiator using the highest, mutually supported MessageVersion for this compact frame. Currently, there is no "better" POLL frame version, but we still need to define the use of this field to enable this feature in the future. We can add definition of this to the initialization clause.

Proposed resolution: Revised.

Disposition detail: Instruction to editor: Append the following sentence to 10.39.3.9 after p.79 line 6:

To enable interoperability among devices from different standard release generations, for a given Compact Frame ID and Message Control for that all peers have signaled support but with mismatching values for Message Version, all peers shall use the lowest Message Version that is mutually supported by all peers for this Compact Frame ID and Message Control.