**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **Draft C comment resolution CID 222** |
| Date Submitted | April 2024 |
| Sources | Panpan Li, Lei Huang, Bin Qian, Rojan Chitrakar, David Xun Yang (Huawei) |
| Re: |   |
| Abstract |  |
| Purpose | To propose comments resolution 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. |

R0: initial content

R1: revise header

***Comment Index #222 in 15-24-0010-23-04ab-cc-consolidated-comment***

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Index #** | **Commenter** | **Sub-Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 222 | Billy Verso | 10.39.7.1 | 116 | 7 | To allow more flexibility in choosing UWB channel, suggest to combine define the reserved field following this to make extended channel number, (optional support for this only). | In figure 132 take change reserved bits into UWB Channel Extension, and change text here to say that if the UWB Channel Extension field is non-zero it is taken as high order bits and combined with the UWB Channel field value to make an extended UWB channel number as per 16.4.1.2. | Revise as shown below. |

**Discussion:**

All the extended channels defined in 16.4.1.2 and 11.1.3.5 could be used. The numbering of the channels is refered to DCN 198-r0.

**Resolution: Revised**

**Proposed text changes on P802.15.4ab™/D (pre-ballot) C:**

**10.39.7.1 Application Controll IE (AC IE)**

*Change the Fig. 132 on Page 114 as follows*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Bits: 0-2 | 3-5 | 6-11 | 12-18 | 19-21 | 22-23 | 24-30 | 31 |
| Number of RSF | Number of RIF | Preamble Code Index | MMRS Gap Size | MSR For MMRS | STS Segment Length | UWB Channel | Reserved  |

*Change the text of Line 7-8 on page 116 as follows*

The UWB Channel field indicates the UWB channel number, as per 11.1.3.5 (*Channel numbering for HRP 7 UWB PHY*) and 16.4.1.2 (Extended channel bands), for the forthcoming ranging exchange.