**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 1.0 Comment Resolution CIDs 261, 900** | |
| Date Submitted | Jan 2025 | |
| Sources | Panpan Li, Bin Qian, Lei Huang, Rojan Chitrakar(Huawei) |  |
| Re: |  | |
| Abstract |  | |
| Purpose | To propose comments resolution for “P802.15.4ab™/D1.0 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: 261, 900**

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| **Index #** | **Commenter** | **Sub-Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed resolution** |
| 261 | Li-Hsiang Sun | 10.39.6.1 | 148 | 22 | Feedback control could be omitted/reserved if responder role is sensing transmitter and sensing ctrl not in SBR request/response IE | as in comment | Revised |
| 900 | Carl Murray | 10.39.6.1 | 148 | 27 | The Base Channel field does not support the the new channel numbering in section 16.4.1.2 pg 209 even though the note on this page seems to suggest that they will be used for frequency stitching and there does not appear to be a reason that the base channel should only be CH 0 to CH 15" | Change the Base channel field so that it supports the channels in section 16.4.1.2 and 11.1.3.5 | Revised |

*Proposed text changes on P802.15.4ab™-D01:*

**10.39.6.1 Application Control IE (AC IE)**

*Change Line 21-22 on Page 148 as follows*

The Frequency Stitching Parameters field is formatted as per Figure 159.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Bits: 0 | 1-7 | 8-9 | 10 | 11-14 | 15-16 | 17-18 |
| Frequency  Stitching  Direction | Base  Channel | Carrier  Frequency  Grid | Channel  Sequence  Order | Number of  Transmissions | Frequency  Stitching  Type | Feedback  Control |

Figure 159—Frequency Stitching Parameters field of the Sensing Control field of the AC IE

*Change Line 27-29 on Page 148 as follows*

The Base Channel field indicates the index of the starting channel for performing UWB sensing when frequency stitching is enabled. The starting channel shall be one of the 499.2 MHz bandwidth channels listed in 11.1.3.5 (*Channel numbering for HRP UWB PHY*) and 16.4.1.2.

*Change Line 1 on Page 151 as follows*

The Feedback Control field selects when the CIR report is generated, as defined in Table 41. When the sensing transmitter is the sensing responder and the sensing control field is included in neither SBP request IE nor SBP response IEin SBP, the Feedback Control field shall be 3.