**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 Comments #998** |
| Date Submitted | February 11, 2025 |
| Sources | Carlos Aldana (Meta)  |  |
| Re: |   |
| Abstract |  |
| Purpose | To propose resolution to comment with CID #988 for “P802.15.4ab™/Draft 1.0 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. |

***Comment Index #998***

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| --- | --- | --- | --- | --- | --- | --- |
| 998 | Technical | 81 | 10.38.9.3.7 | 18 | To simplify design, there should be a way to signal the end of the NB channel map. Please add a field to Figure 49 to signal NB channel end. | As in comment |

***Waiting for Billy response***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Bits: 0–3   | 4–9 | 10–17   | 18–41 | 42–44 | 45–46 | 47   |
| NB channels0–3 | WLAN channel bitmask (UNII-3) | NB channels50–57 | WLAN channel bitmask (UNII-5) | NB channel start | NB channel step | Reserved |

**Discussion:** Agree in principle with commenter.

**Proposed Resolution : Revise.**

**Editor : Change Figure 49 to the following:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Bits: 0–3   | 4–9 | 10–17   | 18–41 | 42–49 | 50–51 | 52- 59 | 60-63 |
| NB channels0–3 | WLAN channel bitmask (UNII-3) | NB channels50–57 | WLAN channel bitmask (UNII-5) | NB channel start | NB channel step | NB channel end | Reserved |

**And add following green text in Section 10.38.9.3.7 after :**

*If bit N, where 18 ≤ N ≤ 41, is set to 1, NbChannelBitmaskSet includes the eight NB channels with indexes running from (N – 18) × 8 + 58 to (N – 18) × 8 + 65, corresponding to the 20 MHz UNII-5 WLAN channels 1, 5, 9, …, 93 and NB channels 58 to 249.*

Bits 42 to 49 encode the value of NB\_channel\_start in the range 0 to 249.

Bits 50 to 51 encode the enumeration of NB\_channel\_step {1, 2, 4, 8}.

Bits 52 to 59 encode the value of NB\_channel\_end in the range 0 to 249. The value of NB\_channel\_end shall be greater than or equal to the value of NB\_channel\_start.