**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 Draft 1.0 comments CID – 271, 272, 1259,1260** |
| Date Submitted | November 2024 |
| Sources | Aniruddh Rao Kabbinale (Samsung)aniruddh.rao@samsung.com |  |
| Re: |   |
| Abstract |  |
| Purpose | To propose resolution for comments related to Sensing CIDs – 271, 272, 1259, 1260 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. |

Rev 0: Initial version.

***Comment Indices in 15-24-0371-26-04ab-consolidated-comments-draft-1-0 related to sensing:***

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| **Name** | **Index #** | **Category** | **Page** | **Sub-clause** | **Line #** | **Comment** | **Proposed Change** | **Must Be Satisfied?** | **Disposition Status (Accepted, Rejected, Revised)** | **Disposition Detail** |
| **Li-Hsiang Sun** | **271** | **Technical** | **159** | **10.39.6.6** | **1** | **Bits 17, 18 seems missing in Fig 172** | **as in comment** | **No** | **Accepted** | **Corrected figure 172 with error notified in comment.** |
| **Li-Hsiang Sun** | **272** | **Technical** | **159** | **10.39.6.6** | **10** | **Not clear what is the relationship between Fig 172 and Fig 177 when compression is enabled** | **Please clarify** | **No** | **Revised** | **Remove Figure 177,update Figure 172** |
| **Billy Verso** | **1259** | **Technical** | **161** | **10.39.6.6** | **14** | **Two figures Figure 172 and Figure 177 give a format of the "Processed Target Feature Report IE Content field format" second is with deflate compression, but first has a compression bit and second does not… this is confusing. How can these be distinguished/parsed? Or maybe this is a mistake? Makes more sense to make one figure with the compression bit and make sure that it contains all the fields necessary.** | **Delete figure 177 and include any missing fields back into figure 172.** | **Yes** | **Accepted** | **Remove Figure 177,update Figure 172** |
| **Billy Verso** | **1260** | **Technical** | **161** | **10.39.6.6** | **15** | **"constructed from the uncompressed Full Target Report List and Sparse Target Report List fields, appended to each other" does not convey ordering, possibly should be more precise " saying which comes first and which comes second ("right concatenated") perhaps with the aid of a figure to make it clear.** | **Clarify the ordering of concatenation of these fields, with the aid of a figure.** | **Yes** | **Revised** | **Clarified with changes to text.** |

**Text changes**：Highlighted in Yellow

**For CID 271, 272, 1259**

**10.39.6.6**

**Change at Page 159, Line 1:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Bits: 0–5**  | **6**  | **7–12**  | **13–16**  | **17** | **18** | **19** | **20** | **21-23** | **Octets: 0/1**  | **0/1**  | **0/1**  | **0/Variable**  | **0/Variable**  | **0/Variable** |
| Number of Targets | EOL | Number of Full Targets | Number of Sparse Targets | Compression | Presence indication Receiver Orientation (Azimuth) | Presence indication Receiver Orientation (Elevation) | Presence indication Receiver Orientation (Rotation) | Reserved | Receiver Orientation (Azimuth) | Receiver Orientation (Elevation) | Receiver Orientation (Rotation) | Full Target Report List | Sparse Target Report List | DEFLATECompressed Report |

**Figure 172—Processed Target Feature Report IE Content field format**

**(Note to Editor) Remove/Delete Figure 177.**

**Change at Page 161, Line 15**

The DEFLATE Compressed Report field is constructed from the uncompressed Full Target Report List, right concatenated by Sparse Target Report List fields~~, appended to each other,~~ and compressed together using the DEFLATE method. For transmission, the DEFLATE Compressed Report field is zero padded to be an integral number of octets.