**IEEE 802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **Proposed resolutions for CIDs 1190 1191 1192 1268** | |
| Date Submitted | February 19, 2025 | |
| Sources | Youngwan So, Mingyu LEE (SAMSUNG Electronics)  [youngwan.so@samsung.com](mailto:youngwan.so@samsung.com), mg0218.lee@samsung.com |  |
| Re: |  | |
| Abstract |  | |
| Purpose | To propose resolution for miscellaneous hyper block related comments 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. | |

Revision 0 : Addressing the following comments (Totally 4)

1190, 1191, 1192, 1268

***Comment Indices in 15-24-0371-01-04ab-consolidated-comments-draft-1.0:***

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| **Name** | **Index#** | **Pg** | **Sub-Clause** | **line** | **Comment** | **Proposed Change** | **Disposition** |
| Billy Verso | 1190 | 76 | 10.38.8.4 | 5 | This whole section is a bit problematic, and Ì believe it is not a useful mode, would prefer to delete it than try to fix it. | Delete this clause. | Rejected |
| Billy Verso | 1191 | 76 | 10.38.8.4 | 5 | If we want to keep this, I note initiators need multiple receivers operating in parallel while the responders are normal devices with one RX and one TX. I think this best way to incorporate this is to consider it achievable by having two radio receivers independent PHY and MAC in one unit that are controlled by the next higher layer to do the double overlapping reception of the overlapping transmissions. As such we should move this to an annex and describe hope it can be achieved in a two radio device/ | Move this clause to an annex written to explain how a device with two (or more) radio receivers may be operated to receive such overlapping transmissions. | Rejected |
| Billy Verso | 1192 | 77 | 10.38.8.4.3 | 1 | There is nothing to be gained by this technique, with two overlapping responders TX compared with the sequential responders of Figure 42, and it is potentially compromising the performance by having responses on top of each other. | This is not necessary. Deleting this it would my preferred approach, but otherwise move it into an annex as a description how a device with two (or more) radio receivers may be operated to receive such overlapping transmissions. | Rejected |

**Disposition Detail:**

**CID# 1190**

Rejected. This section was approved by the group in July 2023.

**CID# 1191 & 1192**

Rejected. No reason to move the section to an annex.

In addition, no need to describe a specific implementation.

Because having two radio receivers is not the only way to support this feature.

1 radio with multiple correlators was discussed as an option.

**Proposed text changes on P802.15.4ab™/Draft 1.0 :**

***No change***

***Comment Indices in 15-24-0371-01-04ab-consolidated-comments-draft-1.0:***

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| **Name** | **Index#** | **Pg** | **Sub-Clause** | **line** | **Comment** | **Proposed Change** | **Disposition** |
| Billy Verso | 1268 | 173 | 10.43 | 2 | 10.43 UWB data offload to narrowband, did not review this fully (may have more comments later) but explaining a complex procedure this would benefit from a MSC showing the interactions with primitives of now the offload is achieved. | Consider next higher layer / mac / phy interactions necessary and draw a MSC with description to explain it. | Rejected |

**Disposition Detail:**

**CID#1268**

Rejected. However, it’s valuable comment. It could be revisited in the next LB.

A MSC should be aligned with other MSCs explaining about NB-UWB joint operations.

**Proposed text changes on P802.15.4ab™/Draft 1.0 :**

***No change***