**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 resolutions for 15.4ab D02 CIDs 584, 585, 586** |
| Date Submitted | Aug 12th, 2025 |
| Sources | Ankur Bansal (Samsung) |
| Abstract | Comment resolution proposals for 15.4ab D02 comments 584, 585, 586. |
| Purpose | Propose resolutions to comments received on IEEE P802.15.4ab/D02 |
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# CID #584 (Accepted)

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| **Name** | **Index #** | **Category** | **Page** | **Sub-clause** | **Line #** | **Comment** | **Proposed Change** |
| VERSO, BILLY | 584 | Technical | 148 | 10.40.3 | 2 | The meaning is unclear of "may be shared per transmission" is a strang way of saying sent, if tiat is what is meant. If the stitching is within a single four segment sensing packet, is it saying that this MIGHT generate either four CIR reports or one stitched CIR report? If frequeny stitchig is with separate pakets than this is more a protocol/application decision and should be described as such (i.e. not be part of the MAC specifation). | Clarifty that tis shared is "sent" |

**Discussion:**

Agree to the change.

I assume that in case of frequency stitching, separate packets are sent and then the result aggregated, hence the term frequency stitching. I am not sure if the decision to perform frequency stitching is being made at this layer or above, but the report is at MAC layer. Also, the report itself, contains the channel ID in case of frequency stitching.



**Resolution: Accepted**

**Notes to Editor:**

Change page 148, line 2 as follows:

The sensing report may be sent per transmission, or an aggregated report may be sent after the last transmission.

# CID #585 (Accepted)

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| **Name** | **Index #** | **Category** | **Page** | **Sub-clause** | **Line #** | **Comment** | **Proposed Change** |
| VERSO, BILLY | 585 | Technical | 147 | 10.40.2 | 20 | "may require the sensing measurement report" should be clearer in what it means, which I think is as per the proposed change. | "might need to receive sensing measurement reports sent from sensing controlles to perform its sensing functiuon". |



**Resolution: Accepted**

**Notes to Editor:**

**Change page 147, line 20 as follows:**

In most RF sensing scenarios, the sensing controller is the device where the RF sensing applications reside, and hence the sensing controller might need to receive sensing measurement reports sent from sensing controlees to perform its sensing function. For the cases where the sensing controller is the sensing transmitter, a sensing measurement report shall be sent by the sensing controlee to provide the measurement report to the sensing controller. Based on the roles of sensing devices, the possible scenarios are:

# CID #586 (Accepted)

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| **Name** | **Index #** | **Category** | **Page** | **Sub-clause** | **Line #** | **Comment** | **Proposed Change** |
| VERSO, BILLY | 586 | Technical | 147 | 10.40.2 | 21 | I think this report generation is in the domain of the NHL | change "shall be sent" to "are sent" |



**Discussion:** I agree to the comment, with minor change.

In some cases the report might not be sent to sensing controller even though it might be sensing transmitter. For example, consider a case of bi-static sensing, with following roles: sensing controller is transmitter, sensing controlee is receiver, and the sensing application making use of sensing results resides on the sensing controlee. In this case report is not required to be sent the report back to the sensing controller. Sensing controller will just be scheduling the sensing sessions, but will not require to interpret the results (i.e. no report is required to be sent back).

Recommend changing "shall sent" to "might be sent"

**Discussion in 26-Aug-25 call**: Group decided to accept changes as suggested in original proposed change. Updated resolution to Accepted.

**Resolution: Accepted**

**Notes to Editor:**

**Change page 147, line 21 as follows:**

In most RF sensing scenarios, the sensing controller is the device where the RF sensing applications reside, and hence the sensing controller may require the sensing measurement report. For the cases where the sensing controller is the sensing transmitter, a sensing measurement report are sent by the sensing controlee to provide the measurement report to the sensing controller. Based on the roles of sensing devices, the possible scenarios are: