**IEEE P802.15**

**Wireless Specialty Networks**

|  |  |  |
| --- | --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Specialty Networks (WSNs) | |
| Title | Suggested comment resolutions for Draft 2.0 | |
| Date Submitted | 29-April-2025 | |
| Source | Youngwan So (SAMSUNG ELECTRONICS]  [youngwan.so@samsung.com](mailto:youngwan.so@samsung.com) |  |
| Re: | Comments: 357, 358, 372, 374, 498 | |
| Abstract | This document is to suggest changes addressing some of comments in 15-25-0174 | |
| Purpose | Resolve comments | |
| Notice | This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. | |
| Release | The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15. | |

Revision 0 : Addressing the following CIDs ;

357, 358, 372, 374, 498

***Comment Indices in 15-25-0174-00-04ab-consolidated-comments-draft-2.0:***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Index#** | **Pg** | **Sub-Clause** | **line** | **Comment** | **Proposed Change** |
| VERSO, BILLY | 372 | 53 | 10.32.9.3 | 17 | The statement "In the case of hyper block mode, only the least significant 8 bits are used to specify the block index." Could be a little more clear, if it instead quotes the allowed value range as per the proposed change. | Change the sentence to say, "In hyper block mode, the Round Index field is used to specify the block index, and this shall be limited to the range 0 to 255. When not in hyper block mode the full 16-bit field allows for a round index range of 0 to 65535." |
| VERSO, BILLY | 498 | 96 | 10.39.11.1.2.2 | 27 | This "shall be able" seems a little strange. It is the NHL that uses MCPS-DATA.request to send the Acquisition Compact frame and provide this address, so it is in control of this. This sentence is not needed. | Delete the sentence on line 27. |

**Disposition :** 372 , 498 : Both accepted.

**Disposition Detail:**

All the comments are valid and what was intended.

**Proposed text changes on P802.15.4ab™/Draft 2.0 :**

***Change 10.38.3.2 P58L24 as below ;***

|  |
| --- |
| ***Change 10.32.9.3 P53L17 as below ;***  17 In hyper block mode, the Round Index field is used to specify the block index, and this shall be limited to the range 0 to 255. When not in hyper block mode the full 16-bit field allows for a round index range of 0 to 65535.  ***Change 10.39.11.1.2.2 P96L27 as below ;***  28 It is up to implementation to determine how often the public address in the Acquisition Compact frame are  29 changed. |

***Comment Indices in 15-25-0174-00-04ab-consolidated-comments-draft-2.0:***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Index#** | **Pg** | **Sub-Clause** | **line** | **Comment** | **Proposed Change** |
| VERSO, BILLY | 357 | 48 | 10.32.3.5 | 42 | The sentence here is hard to understand… and variables m and p have not been mentioned in previous paragraphs…. | I don't know what is trying to say, but please re-phrase and expand the paragraph make it clear. |
| VERSO, BILLY | 358 | 49 | 10.32.3.5 | 2 | Figure 6 is not referenced in the text. | Either add text to describe/explain what Figure 6 is showing or delete the figure |

**Disposition:** Both revised

**Disposition Detail:**



It seems some italic characters are broken and disappered which had been existing in Draft 1.0.

The variable ***m*** means round index in previous hyper block (e.g. hyper block k in Figure 6) while the variable ***p*** means round index in current hyper block (e.g. hyper block k+1 in Figure 6). If the round hopping is enabled, the hopped round index is supposed to be changed or different from the previous round index, and that’s the background of the expression “*where m does not equal p*”.

Based on this, the following changes are suggested.

**Proposed text changes on P802.15.4ab™/Draft 2.0 :**

|  |
| --- |
| ***Change 10.32.3.5 P48L42 as below ;***  42 The Figure 6 shows an example of round hopping in hyper block mode. The transmission at the m-th round in the n-th block, relatively within the k-th hyper block, hops to the p-th round in the  43 n-th block within the (k+1)-th hyper block, (where m does not equal p). |

***Comment Indices in 15-25-0174-00-04ab-consolidated-comments-draft-2.0:***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Index#** | **Pg** | **Sub-Clause** | **line** | **Comment** | **Proposed Change** |
| VERSO, BILLY | 374 | 54 | 10.32.9.10 | 3 | Is it correct that "The Scheduling List Length field indicates the length in octets of the Scheduling List field.", it seems more likely that it would the number of elements in the list rather than the number of octets, since thew field is only 4 bits, sixteen octets seems a little small given that for instance, Figure 13, Scheduling List field element format seems to have 19 octets in a single element. | State this field it is the number of elements, and not the length in octets. |

**Disposition:** Revised

**Disposition Detail:**



Agree on comment.

The “Scheduling List” field is the only variable in the Scheduling IE, whose total length is determined by both the number of elements in the list and Scheduling List Type field. It seems the number of elements in the list is more reasonable to indicate.

Based on this, the following changes are suggested.

**Proposed text changes on P802.15.4ab™/Draft 2.0 :**

|  |
| --- |
| ***Change 10.32.9.10 P54L3 as below ;***  3 The Scheduling List Length field indicates the length in the number of elements in the Scheduling List field. The format of  4 the Scheduling List field depends on the value of the Scheduling List Type field. |