**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |
| --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **Resolution of comment row 416 (ID 22804100023)** |
| Date Submitted | 26 July 2017 |
| Source | Billy Verso (Decawave),  | billy.verso (at) decawave.com |
| Re: | Comment resolutions of 802.15.8 -- SB1  |
| Abstract | This gives a proposed resolution to the indicated comment from the first sponsor ballot of the 802.15.8 draft standard. |
| Purpose | The purpose of this document is to resolve the comment  |
| Notice | This document does not represent the agreed views of the IEEE 802.15 Working Group or IEEE 802.15.8 Task Group. It represents only the views of the participants listed in the “Source(s)” field above. 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. |
| Patent Policy | The contributor is familiar with the IEEE-SA Patent Policy and Procedures:<http://standards.ieee.org/guides/bylaws/sect6-7.html#6> and<http://standards.ieee.org/guides/opman/sect6.html#6.3>.Further information is located at <http://standards.ieee.org/board/pat/pat-material.html> and<http://standards.ieee.org/board/pat>. |

|  |
| --- |
| **Comment row: 416** (Comment ID: 22804100023) |
| Location detail: | **Clause 6.10.3.4.5, Page 75, line 23** |
| Comment: | Is 31 the maximum number of PD sending Sync frames? |
| Suggested change: | Please clarify. |

**Discussion:**

The simple answer is no, this is not the maximum number of PD. It is just the maximum value of the field. This text is talking about generating the ENPSS field value, which is a 5-bit counter field. The text says that it saturates at 31 (the maximum value of a 5-bit unsigned number). It is not saying this is a limitation on the number of PD actually present.

The concept of saturation arithmetic is well known, (see https://en.wikipedia.org/wiki/Saturation\_arithmetic), and should not need to be explained, but, in essence, it means that when there are more than 31 that the count stops at 31.

This particular paragraph of the draft is also the subject of comment row 415 (ID 22804000023) whose resolution (in 15-17-0435) has provided sufficient clarification about the generation of this field.

**Resolution:**

Comment sheet “Disposition Detail” shall say:

“ACCEPT IN PRINCIPLE. The resolution of comment row 415 (ID 22804000023) provided text changes (see 15-17-0435) which clarify this paragraph.”

**<END>**