IEEE P802.11
Wireless LANs

|  |
| --- |
| Resolutions to 32.3.13 NGV receive procedure |
| Date: 2021-08-13 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Yujin Noh | Senscomm |  |  | yujin.noh at senscomm.com |
|  |  |  |  |  |

Abstract

This submission shows

* Comment collection from TGbd draft 2.0
* Resolution applied to TGbd draft 2.0
* 3 CIDs: 2048, 2117, and 2118

Revisions:

* Rev 0: Initial version of the document.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 2048 | 114.57 | In Figure 32-17, in the block of "End of Wait", Equation (32-45) should be updated. There is no Equation (32-45), Equations in Figures are not updated. It is better to delete the equations. | as in comment | Revised.Equation (32-45) is deleted. The subclause including RXTIME equation is included since the subclaue number is hardly updated.TGbd Editor: Incorporate the changes according to 11-21-1348-00-00bd-Resolutions to 32.3.13 NGV receive procedure. The viso file is provided in 11-21-1350-00-00bd-Visio for 32.3.13 NGV receive procedure. |

***Discussion***

No discission

***To TGbd Editor:*** ***P114L57*** *updated the block of End of Wait as below in Figure 32-17—PHY receive state machine*

***------------- Begin Text Changes ---------------***

******

**Figure 32-17—PHY receive state machine**

***------------- End Text Changes ------------------***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 2117 | 115.17 | Appear conflicting in stating the reserved bits in the NGV-SIG field. It is said 0 in this line but it is said 1 in B13 of Table 32-10 (NGV-SIG field). | Please clarify and change appropriately. | Rejected.As the commentor mentioned, the Reserved field in NGV-SIG is set to 1. Once this value is decoded with 0 or bit combination in NGV-SIG field do not correspond to the NGV PHY operation mode, then the values in NGV-SIG field are not supposed to be valid to the receiver according to the spec. We define this condition as “Reserved NGV-SIG Indication” which is defined in the different amendments.Description in the spec is correct. |

***Discussion***

As the commentor mentioned, the Reserved field in NGV-SIG is set to 1. Once this value is decoded with 0 or bit combination in NGV-SIG field do not correspond to the NGV PHY operation mode, then the values in NGV-SIG field are not supposed to be valid to the receiver according to the spec. We define this condition as “Reserved NGV-SIG Indication”.



No more clarification is required based on the spec highlighted below. Reserved NGV-SIG Indication is a certain condition that the NGV PHY shall maintain PHY-CCA.indication(BUSY, channel-list) primitive for the predicted duration (RXTIME) of the transmitted PPDU if a valid parity bit and the RATE with 3 Mb/s are indicated in L-SIG and RL-SIG. It means when L-SIG/RL-SIG both are valid and Reserved field in NGV-SIG field is set to 0, the NGV PHY shall maintain PHY-CCA.indication(BUSY, channel-list) primitive for RXTIME calculated based on L\_LENGTH of the transmitted PPDU.

******

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CID** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 2118 | 115.28 | The intended value is not defined. | Specify how and where the intended value is defined. | Revised.Considering this subclause is described for the NGV receive procedure, the intended value should be 0 shwon in Table 32-10 (Fields in the NGV-SIG field).TGbd Editor: Incorporate the changes according to 11-21-1348-00-00bd-Resolutions to 32.3.13 NGV receive procedure.  |

***Discussion***



***To TGbd Editor:*** ***P115L28*** *updated based the descrition below*

***------------- Begin Text Changes ---------------***

The PHY entity shall check the PHY Version in the NGV-SIG field. If the PHY Version does not contain an intended value with 0 for NGV PHY in Table 32-10 (Fields in the NGV-SIG field), the PHY entity shall issue a PHY-RXSTART.indication(RXVECTOR) and then issue a PHY-RXEND.indication(Filtered).

***------------- End Text Changes ------------------***