IEEE P802.11
Wireless LANs

|  |
| --- |
| **TGba D1.0 Comment Resolutions for 32.2.5 WUR Data Rates** |
| **Date:** 2018-11-12 |
| **Author(s):** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Affiliation** | **Address** | **Phone** | **Email** |
| Eunsung Park | LG Electronics | 19, Yangjae-daero 11gil, Seocho-gu, Seoul 137-130, Korea  |   | esung.park@lge.com |
| Dongguk Lim |  | dongguk.lim@lge.com |
| Jinsoo Choi |  | js.choi@lge.com |

Abstract

This submission proposes resolutions for comments of TGba D1.0 with the following CIDs:

* 190, 563, 564, 565, 749, 923, 962

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGba D1.0 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGba D1.0 Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGba Editor: Editing instructions preceded by “TGba Editor” are instructions to the TGba editor to modify existing material in the TGba draft. As a result of adopting the changes, the TGba editor will execute the instructions rather than copy them to the TGba Draft.***

#### *CID 190, 564, 749, 962, 923*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 190 | 32.2.5 | 76.29 | need to add the definition of Low rate and High rate | as in the comment | Revised-Agree in principle with the commenter. In the spec, the acronyms, LDR and HDR are used for 62.5 kbps and 250kbps, respectively. Add the definition of them in Section 32.2.5.TGba editor to make the changes shown in 11-18/1861r1. |
| 564 | 32.2.5 | 76.32 | typo? | replace "Manchester-based code" by "Manchester coding" | Revised-Agree in principle with the commenter. In the spec, “Manchester-based encoding” is generally used. Replace “Manchester-based code” with “Manchester-based encoding”.TGba editor to make the changes shown in 11-18/1861r1. |
| 749 | 32.2.5 | 76.29 | The word "possible" is unnecessary in the sentence. Please remove "possible" | As shown in the comment. | Accepted- |
| 962 | 32.2.5 | 76.30 | The standard defines two data rates not "two possible data rates" | Delete "possible" | Accepted- |
| 923 | 32.2.5 | 76.32 | "Multicarrier On-Off Keying (MC-OOK) is used ...", the acronym (MC-OOK) is already defined at the beginning of Section 32. | Directly use "MC-OOK" here. | Accepted- |
| 563 | 32.2.5 | 76.30 | typo? | replace "differentiated" by "distinguished"? | Accepted- |

*TGba Editor: Please make the following changes (in red) in Section 32.2.5 WUR Data Rates of D1.0:*

**32.2.5 WUR Data Rates**

The WUR data rate represents the data rate used in the WUR-Data field of the WUR PPDU. There are two ~~possible~~(#749)(#962) data rates: 62.5 kb/s and 250 kb/s, which are denoted as LDR and HDR,(#190) respectively~~, which~~. LDR and HDR(#190) are ~~differentiated~~distinguished(#563) by the pre-defined sequence in the WUR-Sync field. Rate-dependent parameters are shown in Table 32-15 (WUR PPDU Data Rates). Manchester-based ~~code~~encoding(#564) is applied to both WUR data rates. ~~Multicarrier On-Off Keying (~~MC-OOK~~)~~(#923) is used for modulation of both WUR data rates.

#### *CID 565*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 565 | 32.2.5 | 76.56 | typo | OOK is used instead of MC-OOK in several places in the table | Revised-Use “MC-OOK” in Table 32-3 Timing-related constants.TGba editor to make the changes shown in 11-18/1861r1. |

*TGba Editor: Please make the following changes (in red) in Table 32-3 Timing-related constants of D1.0:*

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Value** | **Description** |
| … | … | … |
| *TSym-LDR* | 4 μs | Duration of WUR LDR MC-OOK(#565) symbol in WUR-Data field |
| *TSym-HDR* | 2 μs | Duration of WUR HDR MC-OOK(#565) symbol in WUR-Data field |
| *TSym* | *TSym-LDR* or *TSym-HDR* depend-ing on WUR Data Rate | Duration of MC-OOK(#565) symbol in WUR-Data field |
| *TSync* | 2 μs | Duration of MC-OOK(#565) symbol in WUR-Sync field |
| … | … | … |