IEEE P802.11  
Wireless LANs

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| Resolution for CID 92 in 11-22/0678r3 Comments on P802.11bb/D2.0 | | | | |
| Date: 2022-05-12 | | | | |
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Abstract

This submission proposes resolutions for CID 92 in 11-22/0678r3 Comments on P802.11bb/D2.0.

***Discussion: Highlighted text preceded by “Discussion” are not to be copied into the TGbb Draft. Such text provides rationale for the proposed changes.***

History:

R0: proposal of resolutions for CID 92.

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| CCI | Comment | Page | Subclause | Line | Proposed Change | Resolution |
| 92 | the PHY modes should come before introducing light interface and for ahead. Please discuss the structure of LC PHY clause among the group members. | 15 | 32.3.3 | 13 | integrate 32.3.3 with 32.1 | assigned to Chong |

***Discussion: The resolution of CID 92 is proposed as follows:***

1. ***Move text in the 32.3.3 LC PHY modes before the current subclause 32.3.2 LC Light interface example***
2. ***Update the text in the subclause LC PHY modes with the following.*** 
   * 1. LC PHY modes

32.3.2.1 Introduction

The LC PHY can be operated in three modes: LC High Throughput (LC HT), LC Very High Throughput (LC VHT) and LC High Efficiency (LC HE) mode.

32.3.2.2 LC High Throughput (LC HT) mode

The LC High Throughput (LC HT) mode is based on Clause 19 (High Throughput (HT) PHY specification). In the LC HT mode, data subcarriers are modulated using binary phase-shift keying (BPSK), quaternary phase shift keying (QPSK), 16-quadrature amplitude modulation (QAM), and 64-QAM. Forward error correction (FEC) ccoding (convolutional coding) is used with a coding rate of 1/2, 2/3, 3/4, or 5/6. Low-density parity-check (LDPC) codes may be included as an optional feature. The LC HT mode provides support for 20 and 40 MHz contiguous channel widths.

The LC HT mode PHY shall be the same as Clause 19 (High-throughput (HT) PHY specification) and behavior specified for a HT STA shall apply to an LC STA using the LC HT PHY mode, except when the specifications in 32.3.2.2 (LC High Throughput (LC HT) mode) supersede corresponding text in Clause 19 (High-throughput (HT) PHY specification).

The subclause 19.3.14 20 (Regulatory requirements) does not apply to the LC HT PHY mode. For channel numbering, refer to 32.3.4 (Channel numbering).

32.3.2.3 LC Very High Throughput (LC VHT) mode

The LC VHT mode PHY shall be the same as Clause 21 (Very high throughput (VHT) PHY specification) and behavior specified for a VHT STA shall apply to an LC STA using the LC VHT PHY mode, except when the specifications in 32.3.2.3 (LC Very High Throughput (LC VHT) mode) supersede corresponding text in Clause 21 (Very high throughput (VHT) PHY specification).

The subclause 21.3.13 (Regulatory requirements) does not apply to the LC VHT PHY mode. For channel numbering, refer to 32.3.4 (Channel numbering).

32.3.2.4 LC High Efficiency (LC HE) mode

32.3.5 (LC High Efficiency (LC HE) mode) specifies the PHY entity when operating the LC PHY in the LC HE mode. The LC HE mode is the same as Clause 27 (High Efficiency (HE) PHY specification) and behavior specified for a HE STA shall apply to an LC STA using the LC HE PHY mode, except when the specifications in 32.3.2.4 (LC High Efficiency (LC HE) mode) supersede corresponding text in Clause 27 (High Efficiency (HE) PHY specification).

The subclause 27.3.24 (Regulatory requirements) does not apply to the LC HE PHY mode. For channel numbering, refer to 32.3.4 (Channel numbering).