**IEEE P802.11  
Wireless LANs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Proposed text for Annex B** | | | | |
| **Date:** 2022-04-20 | | | | |
| **Author(s):** | | | | |
| **Name** | **Affiliation** | **Address** | **Phone** | **email** |
| Chong Han | pureLiFi |  |  | Chong.han@purelifi.com |
| Nikola Serafimovski | pureLiFi |  |  | [nikola.serafimovski@purelifi.com](mailto:nikola.serafimovski@purelifi.com) |
| Robert Stacey | Intel |  |  | [Robert.stacey@intel.com](mailto:Robert.stacey@intel.com) |
| Edward Au | Huawei |  |  |  |
| Jon Rosdahl | Qualcomm |  |  |  |
| Nancy Lee | Signify |  |  |  |
| Volker Jungnickel | Fraunhofer HHI |  |  |  |

**Abstract**

Proposed text for LC Annex B

**History**

R0: proposal of the text for Annex B.

R2: Captures group edits during discussion on the May 12 telecons

R3: Revision to be included into D3.0

# Annex B

**B.4 PICS proforma—IEEE Std 802.11-2020**

**B.2.2 General abbreviations for Item and Support columns**

**Editor: Insert the following acronym:**

LC Light communications

### B.4.3 IUT configuration

***Insert the following rows:***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **IUT configuration** |  | **References** | **Status** | **Support** |
| \*CFLC | Light communications |  | 4.3.31 (Light Communications (LC) STA) | CFHT OR CFVHT OR CFHE: O | Yes □ No □ |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

***Editor: change the title of B.4.37 as follows:***

***Insert a new subclause at the end of B.4.36 as follows:***

### B.4.37 Light communications (LC) features

***Editor: Delete the entire subclause B.4.37.1 and the subclause title B.4.37.2.***



***Editor: Change the table as follows:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Protocol capability** | **References** | **Status** | **Support** |
|  |  |  |  |  |
|  | Are the following PHY protocol features supported? |  |  |  |
| LCP1 | LC PHY operating modes |  |  |  |
| \*LCP1.1 | LC PHY HT mode | 32.3.3.2 LC High Throughput (LC HT) mode | CFHT5G: O.1 | Yes □ No □ N/A □ |
| \*LCP1.2 | LC PHY VHT mode | 32.3.3.3 LC Very High Throughput (LC VHT) mode | CFVHT: O.1 | Yes □ No □ N/A □ |
| \*LCP1.3 | LC PHY HE mode | 32.3.3.4 LC High Efficiency (LC HE) mode | CFHE5G OR CFHE6G: O.1 | Yes □ No □ N/A □ |
| LCP2 | LC PPDU format | 32.1.2 (Physical protocol data (PPDU) formats) |  |  |
| LCP2.1 | HT PPDU format | 32.1.2 (Physical protocol data (PPDU) formats) | LCP1.1: M | Yes □ No □ N/A □ |
| LCP2.2 | VHT PPDU format | 32.1.2 (Physical protocol data (PPDU) formats) | LCP1.2: M | Yes □ No □ N/A □ |
| LCP2.3 | HE PPDU format | 32.1.2 (Physical protocol data (PPDU) formats) | LCP1.3: M | Yes □ No □ N/A □ |
| LCP3 | Channel numbering and channelization | 32.3.4 (Channel numbering) |  |  |
| LCP3.1 | 5 GHz band mapping | 32.3.4 (Channel numbering) | CFLC: O.2 | Yes □ No □ N/A □ |
| LCP3.2 | 6 GHz band mapping | 32.3.4 (Channel numbering) | CFLC: O.2 | Yes □ No □ N/A □ |
| LCP4 | Multiple transmit and receive chains | 32.3.5 (Multiple transmit and receive chains) |  |  |
| LCP4.1 | More than one transmit chain | 32.3.5 (Multiple transmit and receive chains | CFLC: O | Yes □ No □ N/A □ |
| LCP4.2 | More than one receive chain | 32.3.5 (Multiple transmit and receive chains | CFLC: O | Yes □ No □ N/A □ |
| LCP5 | LC CCA requirements | 32.3.6.1 (CCA requirements) | CFLC: M | Yes □ No □ N/A □ |
| LCP6 | LC repetition mechanism | 32.3.6.2 (LC repetition) | CFLC: O | Yes □ No □ N/A □ |