IEEE P802.11 Wireless LANs

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| Proposed text for 4.3 | | | | |
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Abstract

This document provides text to be incorporated in the TGbb draft 4.3.

### 4.3.30 Light Communication (LC) STA

A LC STA is an HE STA that, in addition to features supported as an HE STA, supports LC

features identified in Clause 10 (MAC sublayer functional description), Clause 11 (MLME), Clause 12 (Security), Clause 31 (Light Communication (LC) MAC specification), and Clause 32 (Light Communication (LC) PHY specification).

The main PHY features in a LC STA that are not present in an HE STA are the following:



The main MAC features in a LC STA that are not present in an HE STA are the following:

* Optional support for fast session transfer (FST) in the multi-band capable devices supporting light and other sub-300 GHz RF bands

The LC MAC that supports the LC common mode PHY may consist of a subset of functionalities in the IEEE 802.11a. DCF, Fragmentation, Defragmentation, and Multirate support in Clause 10 (MAC sublayer functional description) are required.

In addition, it enhances the security by adopting more secure encryption protocol CCMP while with TKIP and GCMP as optional encryption protocols.

For the Logical service interfaces, PCPS (4.4.3 (PBSS control point service (PCPS))) does not apply to LC MAC. The services of DFS, TPC, Radio measurement and DSE do not apply to the LC MAC.