IEEE P802.11 Wireless LANs

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| Proposed text for TGbb MAC supporting the mandatory PHY  |
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Abstract

This document provides text to be incorporated in the TGbb draft for the MAC supporting the common PHY mode.

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# 1 MAC sublayer functional description

## 1.1 Introduction

This clause defines the light communications (LC) MAC. The subclause (1.2 MAC for the Common Mode PHY) describes the minimum requirements of the MAC that supports the common mode PHY.

## 1.2 Light Communication (LC) MAC specification

### 1.2.1 Introduction

An LC STA supports the MAC and MLME functions defined in Clause 31 (Light Communication (LC) MAC specification) in addition to the MAC functions defined in Clause 10 (MAC sublayer functional description), the MLME functions defined in Clause 11 (MLME), and the security functions defined in Clause 12 except when the functions in Clause 31 (Light Communication (LC) MAC specification) supersede the functions in Clause 10 (MAC sublayer functional description) or Clause 11 (MLME).

### 1.2.6 Logical service interfaces

#### 1.2.6.1 General

When using LC, the general requirements for the logical service interface shall be the same as in 4.4.1 except the following are not required: 1) PCPS; 2) the services of DFS, TPC, Radio measurement and DSE.

#### 1.2.6.2 SS

When using LC, the requirements for SS shall be the same as in 4.4.2 except the following services are not required: DFS, TPC, Radio measurement and DSE.

#### 1.2.6.3 DSS

When using LC, the requirements for DSS shall be the same as in 4.4.4 except the following services are not required: DSE and Interworking with the DS (mesh facility only).

### 1.2.7 Security

#### 1.2.7.1 Authentication service

When using LC, the requirements for the authentication service shall be the same as in 8.1 in IEEE Std. 802.11-2020.

***TE Note: Please check in 802.11-2020 if this is still the correct reference.***

#### 1.2.7.2 Security methods

When using LC, the following security protocols are adopted:

1. CCMP as described in 12.5.3.
2. GCMP as described in 12.5.5.
3. Open authentication.