IEEE P802.11
Wireless LANs

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| IEEE 802.11 TGbb Task Group on Light Communications December 16, 2020 Teleconference Minutes |
| Date: 2020-12-16 |
| Author: |
| Name | Affiliation | Address | Phone | Email |
| Matthias Wendt | Signify |  |  | matthias.wendt@signify.com  |
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Abstract

This document contains the Task Group on Light Communications (TGbb) Dec. 16 2020 teleconference meeting minutes

**IEEE 802.11 Task Group TGbb**

**December 16, 2020, Web conference 9:00-10:30 EST**

Attendance: 19 people

1. The IEEE 802.11 TGbb meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi). Matthias Wendt (Signify) recorded the minutes.

1. The Chair reviewed the IEEE-SA patent policy, logistics, and reminders, including meeting guidelines and attendance recording procedures.
	* It is reminded all to record their attendance through the IMAT system.
2. The Chair introduced the overall agenda in doc. [11-20/1932r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1932-00-00bb-16-dec-2020-conference-call-agenda.pptx) for the call.
* Agenda Items to be discussed (updated)
	+ Agenda Agreement
	+ Submissions to be discussed
		- Comment resolution progress
		- Definition of an “antenna” for light communications
		- CCA in light communications discussion
	+ Conf. call schedule
	+ AOB
1. **TGbb Motion** to approve the agenda in document [11-20/1932r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1932-00-00bb-16-dec-2020-conference-call-agenda.pptx) (9:10 EST)

**Approve the updated agenda in doc. 11-20/1932r1 for the call.**

Motion approved with anonymous consent.

1. Chong Han (pureLiFi) and Nikola Serafimovski (pureLiFi) presenting [11-20/0571r4](https://mentor.ieee.org/802.11/dcn/20/11-20-0571-04-00bb-proposed-text-for-lc-mandatory-optional-phy.docx) “Proposed text for LC mandatory optional PHY”. (9:15 EST)

The document contains many different change proposals as reaction on the comment resolution during November Plenary.

Discussion on how to organize the text changes in the actual version of the draft. Each has to be motioned in. Cannot be done during this telco. TGbb shall look at the proposed changes in the uploaded documents. During January interim we will make the motions. Chong Han will upload a new version where all changes are clearly marked.

1. Rob Davies (Signify) is presenting [11-20/1962r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1962-00-00bb-receiver-specifications-for-the-optical-phy.pptx) “Receiver specifications for the optical PHY” (9:35 EST).
	* Vivid discussion
		+ why no electrical interface can be found similar to the antenna interface in the RF standards.
		+ whether the reference should be a light beam intensity or a light beam power
		+ whether the mandatory and the optional PHYs will need to have different sensitivity
2. Chong Han (pureLiFi) and Nikola Serafimovski (pureLiFi) presenting [11-20/1966r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1966-00-00bb-relayed-cca-mechanism.pptx) “Relayed CCA mechanism for TGbb”. (10:15 EST)
	* Discussion on whether the CCA is still required or better mechanisms are in ax.
	* Potential risk of cluttering neighbor communication

**11** The meeting adjourned at 10:37 EST.

Attendance

Dec 16 - TGbb Telecon Attendance - IMAT Report

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| Breakout | Timestamp | Name | Affiliation |
| TGbb | 12/16 | BECHADERGUE, Bastien | OLEDCOMM |
| TGbb | 12/16 | Berner, Stephan | PureLiFi |
| TGbb | 12/16 | Bims, Harry | Bims Laboratories, Inc. |
| TGbb | 12/16 | Bluschke, Andreas | Signify |
| TGbb | 12/16 | Bober, Lennert | Fraunhofer Heinrich Hertz Institute |
| TGbb | 12/16 | Davies, Robert | Signify |
| TGbb | 12/16 | HAN, CHONG | pureLiFi |
| TGbb | 12/16 | Riegel, Maximilian | Nokia |
| TGbb | 12/16 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| TGbb | 12/16 | Serafimovski, Nikola | pureLiFi |
| TGbb | 12/16 | Stavridis, Athanasios | Ericsson AB |
| TGbb | 12/16 | Wendt, Matthias | signify |

Seven attendees seen in Webex but not in the IMAT report above

 Delaounay Nicolas, EASII-IC

 JP Goglio (nn)

 Volker Jungnickel, HHI

 Nancy Lee, Signify

 Morisson Richard (nn)

 Jeniffer Santulli IEEE SA

 Dries van Wageningen, Signify