IEEE P802.11
Wireless LANs

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| IEEE 802.11 TGbb Task Group on Light Communications April 27, 2020Teleconference Minutes |
| Date: 2020-04-27 |
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Abstract

This document contains the Task Group on Light Communications (TGbb) April 27 2020 teleconference meeting minutes

**IEEE 802.11 Task Group TGbb**

**Monday, April 27, 2020, 1:00 PM London Time**

Attendance: 16 people

1. The IEEE 802.11 TGbb meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi). Tuncer Baykas (IMU) as a temporary Secretary 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.
	* Group discussed how the July meeting will be conducted.
2. The Chair introduced the overall agenda in doc. 11-20/612r0 for the call.
* Agenda Items to be discussed
	+ Draft Review
	+ MU MIMO
	+ Center Frequency
	+ Mandatory optional PHY

1. **TGbb Motion** to approve the agenda for the week in document 11-20/612r0

**Approve the proposed agenda in doc. 11-20/612r0 for the call.**

**Motion approved.**

1. Volker Jungnickel introduced the current 802.11bb draft. 11-20/653r1 is presented. It includes all the motions related to the draft. The motions which are included in the draft are shown.
2. Tuncer Baykas start actring as chair. Nikola Serafimovski presented MU MIMO for Light Communications Feasibility Study 11-20/582r0

Q: By increasing distance, are you reducing MU-MIMO chance?

C: Although the Rank of the the matrix is 4. We need to see the eigenvalues.

C: Position optimization is important.

1. Nikola Serafimovski presented Proposed-center-frequency-mandatory-PHY Study 11-20/572r0

Q:What happened in NLOS?

C: In NLOS, not the aliasing bu the signal strength is the problem.

Q: Is it possible to seperte channel?

C: In the data set it is possible bu in practical situation it is hard.

C: How are the number 36MHz 56 MHz and 96 MHz are determined? A general rule could be created to determine each center frequency. The upshift could be half of the previous band.

1. Group decided to arrange another conference call on 12th of May at 11 EST.
2. The meeting recessed at 14:30.