IEEE P802.11
Wireless LANs

|  |
| --- |
| IEEE 802.11 TGbb Task Group on Light Communications January, 2020Hotel Irvine, Irvine, CA, USAMeeting Minutes |
| Date: 2020-01-13 |
| Author: |
| Name | Affiliation | Address | Phone | Email |
| Tuncer Baykas | Vestel |  |  | tbaykas@ieee.org  |
| Nikola Serafimovski | pureLiFi |  |  | nikola.serafimovski@purelifi.com  |
|  |  |  |  |  |

Abstract

This document contains the Task Group on Light Communications (TGbb) meeting minutes from the IEEE 802.11 Irvine meeting, January 2020.

**IEEE 802.11 Task Group TGbb**

**Monday, January 13, 2020, AM2 Session**

Attendance: around 15 people.

1. The IEEE 802.11 TGbb meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi) at 8:05am. Tuncer Baykas (Vestel) 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.
2. The Chair introduced the overall agenda in doc. 11-19/2135r1 for the week. There was some discussion about releasing unused meeting slots to accommodate the needs of the 802.11 WG.
* Agenda Items to be discussed on Monday AM2
	+ Approve the minutes from Nov. 2019
	+ Approve the agenda for the week
	+ Discuss coexistence
* Agenda Items to be discussed on Thursday AM2
	+ Discuss status of D0.1
	+ Discuss simulation results
1. **TGbb Motion** to approve the agenda for the week in document 11-19/2135r1.

**Approve the proposed agenda in doc. 11-19/2135r1 for the week**

**Move: Harry Bims**

**Second: Tuncer Baykas**

**It was approved with unanimous consent.**

1. There was a discussion on the coexistence between TGbb and ITU-T G.9991
	* Possibility to organize a workshop or a joint session at the May meeting
	* Ideally interoperability would be possible in the future
	* The group agreed on the need to explore coexistence with a straw poll
		+ *Is there a need for a Co-existence workshop/discussion on light communications between ITU-T and 802.11?*
		+ *Y/N/A 11 / 0 / 3*
2. Necessity for G.9991 experts to provide proposals for integration of the G.9991 PHY with the 802.11 MAC was discussed.
3. The meeting recessed at 9:48am.

**Thursday, January 16, 2020, AM2 Session**

Attendance: around 15 people.

1. The IEEE 802.11 TGbb meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi) at 8:05am. Tuncer Baykas (Vestel) 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.
2. The Chair introduced the overall agenda in doc. 11-19/2135r2 for the week. There was some discussion about releasing unused meeting slots to accommodate the needs of the 802.11 WG.
3. **TGbb Motion** to approve the agenda for the week in document 11-19/2135r2.

**Approve the proposed agenda in doc. 11-19/2135r2 for the week**

**Move: Tuncer Baykas**

**Second: Volker Jungnickel**

**Motion passed with unanimous consent.**

1. **TGbb Motion** to approve the September Interim meeting minutes.

**Approve the minutes from the September 2019 session in doc. 11-19/1704r0**

**Move: Matthias Wendt**

**Second: Marc Emmelmann**

**Motion passed with unanimous consent.**

1. Tuncer Baykas presented doc. 11-20/0196r0 on “VLC with 802.11ac Frame Structure”
	* The WiFi APs are assumed to be co-located with the LC APs and therefore have similar LoS channel models
	* DCO-OFDM modulation was achieved with using Hermitian symmetry
	* No spectral masks were used
	* Centre frequency was set at 10 MHz
	* Future simulation results to be presented in March 2020
2. Coexistence with ITU-T to be explored by Volker at the next ITU-T session
3. Draft D0.1 to be available by 1 Feb.
4. Motion to adjourn

1. Approved by unanimous consent.