IEEE P802.11  
Wireless LANs

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