IEEE P802.11  
Wireless LANs

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| Minutes 2017-02-20 LC TIG Teleconference | | | | |
| Date: 2017-02-21 | | | | |
| Author(s): | | | | |
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Abstract

This document contains the meeting minutes for the 2017-02-20 Light Communication Topic Interest Group (TIG) teleconference.

1. Meeting called to order at 14:02 by Nikola Serafimovski (pureLiFi) [nikola.serafimovski@purelifi.com](mailto:nikola.serafimovski@purelifi.com)
   1. See agenda document <https://mentor.ieee.org/802.11/dcn/17/11-17-0228-00-00lc-20-feb-2017-conference-call-agenda.ppt>
   2. Review of administrative and policy materials
   3. Agenda agreed as presented
2. Discussion: <https://mentor.ieee.org/802.11/dcn/17/11-17-0161-01-00lc-lc-tig-draft-report-questions-answers.docx>
   1. Page 3 - reviewed updated text on Flicker – no changes suggested
   2. Page 3 – Line of sight/ non-line of sight – updated text, no changes suggested
   3. Page 4 – LC Systems subject to multipath fading: Use of OFDM for baseband modulation; need to include single carrier aspects also (based on experience with 11ad). Text modified to add single carrier.
   4. Discussion on amount of detail to include RE; possible implementations; goal is to educate in this document, not to provide a PHY spec. Include description to provide explanation and frame of reference.
   5. Pages 4/5 Link margin calculation – Figure provides an example using OFDM modulation and demodulation chain. Request for contribution of a corresponding figure for single carrier.
   6. Page 5 – Architecture Overview figure added (Figure 2); no suggested edits to the figure
   7. Page 5 – Reference for comparison of OFDM vs PPM/PWM/etc - Reference 14 added. Any discussion on addition of reference versus pulling in material from the reference? No comments or objection. A future TG would discuss modulation options.
   8. Plan to continue work on the document in March.
3. Discussion: <https://mentor.ieee.org/802.11/dcn/17/11-17-0272-00-00lc-liaison-statement-for-lc-stakeholders.docx>
   1. Document 11-17-0272 is a draft liaison document inviting lighting industry organizations/bodies to participate in the LC TIG.
   2. Reviewed draft document
      1. Editorial changes made as suggested
      2. Plan to review and approve the liaison at upcoming March 2017 meeting, target the mid-week plenary for WG consideration and approval
      3. ITU-R has a Visible Light project underway; include ITU-R W1A on the list of targeted organizations, potential 802.18 involvement in contacting that group
4. Review of draft March 2017 meeting agenda, see <https://mentor.ieee.org/802.11/dcn/17/11-17-0203-00-00lc-march-2017-meeting-agenda.ppt>
   1. Vice chair position is open – please consider volunteering
   2. Sessions Monday AM1 (Link budget topic), Tuesday PM3 (evening), Thursday AM1
   3. March session critical to completing the technical analysis components in the draft report.
5. Call for Any other business – None identified
6. Meeting adjourned 14:43 Eastern

Attendees:

Eastlake, Donald Huawei

Klein, Philippe Broadcom

Myles, Andrew Cisco Systems

Oteri, Oghenekome Interdigital

Rantala, Enrico Nokia Bell Labs - US/Sunnyvale

Serafimovski, Nikola pureLiFi

Stanley, Dorothy Hewlett Packard Enterprise

Steer, David Huawei Technologies Canada

Wang, Xiaofei Interdigital

**References:**