IEEE P802.11
Wireless LANs

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| IEEE 802.11 Topic Interest Group on Light Communications July, 2017 Berlin Meeting Minutes |
| Date: 2017-07-10 |
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Abstract

Topic Interest Group on Light Communications meeting minutes from the IEEE 802.11 Berlin meeting, July 2017.

**IEEE 802.11 Topic Interest Group on Light Communications**

**Monday, July 10, 2017, AM1 Session**

Attendance: 30 people

1. The IEEE 802.11 LC TIG meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi).
2. The Chair reviewed the IEEE-SA patent policy, logistics, and reminders on TIG rules, including meeting guidelines and attendance recording procedures.
	1. Chair asked if anyone has any questions about the IEEE-SA patent policy, logistics or reminders. No questions.
	2. The Chair asked if there were any questions on any of the above items. None.
	3. It is reminded all to record their attendance.
3. The Chair presented the agenda. Osama (Huawei) suggested planning a motion approving the outcome of the TIG before the Wednesday presentation to the WG. The agenda was approved.
4. The Chair goes through document doc. 11/17-0901r1 (comment collection) which contains the collected LC-TIG-draft-report-comments. There is a companion document doc. 11/17-0944r0 which has embedded the requested changes and resolutions in the working document.
5. The Chair goes through the comments collected from the working group. Osama (Huawei) explains that this is not a formal comment resolution and he is fine with the resolutions worked out so far during the telephone call. They should not be handled again. The chair then continued with the comment resolution starting from comment #13 in doc.doc. 11/17/0901r1 and doc.doc. 11/17/0944r0 going until the end. The changes will be included in documents doc. 11/17-0901r2 and doc. 11/17-0944r1. All except two comments have been addressed. Nikola will discuss the two remaining comments offline with Robert Stacey (Intel).
6. The Chair goes through the planned tutorial presentation for Monday 7:30-9:50 p.m. in doc. 11/17-0962r1 and discusses the content with the LC TIG. Few changes have been suggested from the LC TIG to make the presentation clearer. Changes are contained in doc. 11/17-0962r2.
7. The meeting is recessed.

**Tuesday, July 11, 2017, AM1 Session**

Attendance: 20 people

1. The IEEE 802.11 LC TIG meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi).
2. The Chair reviewed the IEEE-SA patent policy, logistics, and reminders on TIG rules, including meeting guidelines and attendance recording procedures.
	1. Chair asked if anyone has any questions about the IEEE-SA patent policy, logistics or reminders. No questions.
	2. The Chair asked if there were any questions on any of the above items. None.
	3. It is reminded all to record their attendance.
3. The Chair presented the agenda. The agenda was approved.
4. The chair continues comments resolution
	1. CID13: For all mobile applications and most non-mobile applications, power consumption is a critical issue. The report does not address the energy efficiency (joule per bit) of this communication technology.
	2. A new subsection on power consumption was inserted in the TIG-report to discuss device power consumption. The text was discussed and agreed upon. The issue was discussed from reception, transmission and baseband processing perspectives.
	3. CID 14: On page 9, "since the coverage of one LED is usually limited..." It is better to give some physical examples to this limitations. Is it limited to a single room? Part of a room? How many m-square does it cover.
	4. The respond text was discussed and updated.
5. The chair went through the slides deck prepared for mid-week plenary for further comments.
6. The meeting was recessed.

**Tuesday, July 11, 2017, AM1 Session**

Attendance: 20 people

1. The IEEE 802.11 LC TIG meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi).
2. The Chair reviewed the IEEE-SA patent policy, logistics, and reminders on TIG rules, including meeting guidelines and attendance recording procedures.
	1. Chair asked if anyone has any questions about the IEEE-SA patent policy, logistics or reminders. No questions.
	2. The Chair asked if there were any questions on any of the above items. None.
	3. It is reminded all to record their attendance.
3. The Chair presented the agenda. The agenda was approved.
4. Approval of the TIG-report:

Motion: should the LC-TIG approve doc. 11/17-0023r9 as the final report on the TIG finding to the 802.11 WG?

Yes: 15

No: 0

Abstain: 1

1. The chair went through the slides deck prepared for mid-week plenary for further comments.
2. Motion: should the LC-TIG recommend the formation of a LC SG to the 802.11 WG to define the scope of a potential LC standard within the 802.11

Yes: 18

No: 0

Abstain: 5

1. Meeting recessed

**Thursday, July 13, 2017, PM2 Session**

Attendance: 25 people

1. The IEEE 802.11 LC TIG meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi).
2. The Chair reviewed the IEEE-SA patent policy, logistics, and reminders on TIG rules, including meeting guidelines and attendance recording procedures.
	1. Chair asked if anyone has any questions about the IEEE-SA patent policy, logistics or reminders. No questions.
	2. The Chair asked if there were any questions on any of the above items. None.
	3. It is reminded all to record their attendance.
3. The chair presented the agenda. The agenda was approved.
4. The chair introduced the straw poll in 802.11 mid-week plenary
5. The chair introduced the new revision of the presentation doc. 11-17/1048r3
	1. Andrew raised the issue on the form of the standard has been raised. The form of the text on “form of the standard” were discussed and agreed upon.
	2. Discussion on the slide of “optional 802.11 PHY clustering architecture”.
	3. Chair suggest to remove the slides “optional 802.11 PHY clustering architecture”
	4. The group decide to have a new section on “to be discussed in SG” and move the slide to the new section
	5. It was suggested to have a new slide on “maintaining and controlling the lights” in the section of “to be discussed in SG”
6. It was suggested that in case that the WG feels that this is not the right time to establish a SG it should be asked if the work of the TIG is continued in order to answer the left open questions.
7. It was suggested to push for a SG because there is an industry asking 802.11 to look into LC technology especially for application in industrial wireless automation. The IEEE should form a SG in order to provide a forum for discussion with this particular user group and maintain the market-driven standards development in 802.11 in this way. The Chair asked to bring these strong arguments in front of the WG again.
8. Meeting adjourned.