IEEE P802.15
Wireless Specialty Networks

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| IEEE 802.15 Study Group on Multi-Giga bps Optical Wireless Communication March, 2017 Vancouver Meeting Minutes |
| Date: 2017-03-16 |
| Author: |
| Name | Affiliation | Address | Phone | email |
| John Li | Huawei |  |  | john.liqiang@huawei.com |
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Abstract

Study Group on Light Multi-Giga bps Optical Wireless Communication meeting minutes from the IEEE 802.11 Vancouver meeting, March 2017.

**IEEE 802.15 Study Group on Multi-Giga bps Optical Wireless**

**Monday, March 13, 2017, PM2 Session**

Attendance: around 10 people

1. The IEEE 802.15 SG MG meeting was called to order by the Chair, Volker Jungnickel (HHI)
2. Chair introduced himself and started going over the agenda for the March meeting in Vancouver, see <https://mentor.ieee.org/802.15/dcn/17/15-17-0193-02-00mg-agenda-sg-mg-owc-march-2017.xls>. The agenda was approved by unanimous consent.
3. Chair reviewed the IEEE-SA patent policy, logistics, and reminders on TIG rules, including meeting guidelines and attendance recording procedures.
4. Chair introduce the history of SG MG and the relationship with TG7m. Chair introduced that the space on mentor for SG MG will be shortly available.
5. Chair introduce there is a PAR review meeting from 802.11 on Tuesday. The group discussed on the scope of the study group, especially on the difference between 15 OWC project and the potential 11 OWC project.
6. Chair leaded comments resolution on the PAR and CSD. Bob Heile provided his suggestions.
	1. The comments mainly came from 802.3
	2. The reply to the comments is available at <https://mentor.ieee.org/802.15/dcn/17/15-17-0177-02-0000-reply-to-comments-against-new-par-csd-for-mg-owc.pptx>
7. Meeting is recessed until Tuesday PM2

**Tuesday, March 14, 2017, PM2 Session**

Attendance: around 10 people

1. The IEEE 802.15 SG MG meeting was called to order by the Chair, Volker Jungnickel (HHI)
2. Chair leaded comments resolution on the PAR and CSD. Bob Heile provided his suggestions.
	1. The comments came from 802.3, 802.11 and individuals.
	2. The reply to the comments is available at <https://mentor.ieee.org/802.15/dcn/17/15-17-0177-02-0000-reply-to-comments-against-new-par-csd-for-mg-owc.pptx>
3. Meeting is recessed until Wednesday AM1

**Wednesday, March 15, 2017, AM1 Session**

1. Since Bob Heile needs to finalize the PAR and CSD, meeting is recessed until Wednesday PM2.

**Wednesday, March 15, 2017, PM2 Session**

Attendance: around 10 people

1. The IEEE 802.15 SG MG meeting was called to order by the Chair, Volker Jungnickel (HHI)
2. Chair leads comments resolution on the PAR and CSD. Bob Heile provided suggestions to update the PAR and CSD.
	1. The comments came from 802.3, 802.11 and individuals.
	2. The reply to the comments is available at <https://mentor.ieee.org/802.15/dcn/17/15-17-0177-04-0000-reply-to-comments-against-new-par-csd-for-mg-owc.pptx>

**Thursday, March 16, 2017, PM1 Session**

Attendance: around 10 people

1. The IEEE 802.15 SG MG meeting was called to order by the Chair, Volker Jungnickel (HHI)
2. Muhammad (VLNComm) presented VLCComm’s comments against 15.7r1 single carrier PHY. Related contribution is available at <https://mentor.ieee.org/802.15/dcn/17/15-17-0146-00-007a-vlncomm-comments-on-15-7r1-d1-single-carrier-phy.docx>
	1. The benefits from the proposed schemes compare to existing schemes such as ACO-OFDM, OOK with Manchester encoding, etc are discussed. It was suggested further analysis and comparisons are needed.
3. The group is not sure which existing PHYs in 15.7r1 should be maintained. The chair suggested further discussion in May meeting.
4. John Li presented <https://mentor.ieee.org/802.15/dcn/17/15-17-0218-01-00mg-suggested-time-lines-for-sg-mg.pptx> and suggested a deadline for further comments submission against D1 of 15.7r1
	1. After discussion, **the submission deadline is agreed to be April 23rd**
5. Meeting is adjourned until May