**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | July IEEE802.15.13 Minutes | |
| Date Submitted | September 2017 | |
| Source | Volker Jungnickel (HHI)  Li Qiang-John (HI Silicon) | Voice: [ ] Fax: [ ] E-mail: [ ] |
| Re: | [If this is a proposed revision, cite the original document.]  [If this is a response to a Call for Contributions, cite the name and date of the Call for Contributions to which this document responds, as well as the relevant item number in the Call for Contributions.]  [Note: Contributions that are not responsive to this section of the template, and contributions which do not address the topic under which they are submitted, may be refused or consigned to the “General Contributions” area.] | |
| Abstract | [Minutes of May 2017 Interim Session] | |
| Purpose | [Description of what the author wants P802.15 to do with the information in the document.] | |
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**Task group 802.15.13 met for 10 meetings during the September 2017 Interim Session in Kona, HI.**

**Meeting #1, Monday 11 September 2017, AM 2 (10:30 – 12:30)**

Attendees:

* Volker Jungnickel (Fraunhofer HHI)
* Mohammad Noshad (VLNComm)
* Li Qiang-John (Huawei)
* Jiamin Chen (Huawei)
* Mohammad Noshad (VLNComm)

The meeting was called to order by Volker Jungnickel (Fraunhofer HHI).

Volker Jungnickel presented **doc. 15-17-0509r2**.

Patent slides are shown and the rules to attendance are explained.

Chair discuss about the LOA issue and encourage the members to start early.

Chair introduced the modification to the July meeting minutes. The meeting minutes was updated and approved **doc. 15-17-0432r3.**

Chair introduced the agenda of the meeting.

Sang-Kyu Lim volunteered to be the vice chair and was approved by the group

Chair updated the meeting slides **doc. 15-17-0509r3**

Chair leaded the discussion on the TG website, some modifications were suggested

* Draft CSD => CSD
* Add Sang-Kyu Lim as vice chair
* Change Secretary to technical editor
* Add secretaries

Chair will implement those changes in cooperation with Rick Alfwin.

Chair lead the discussion on the Liaison with ITU-T G.vlc. Chair introduced the situation of G.vlc.

* ITU-T had sent a liaison to 802.15 in 2015
* Chair mentioned that there are more chipset manufactures who want to support OWC in G.vlc but IEEE has more OWC experts.
* Chair expressed intention to have a mechanism that have both groups updated about the progress in both groups.

Meeting recessed until PM1.

**Meeting #2, Monday 11 September 2017, PM 1 (13:30 – 15:30)**

Attendees:

* Volker Jungnickel (Fraunhofer HHI)
* Mohammad Noshad (VLNComm)
* Li Qiang-John (Huawei)
* Mohammad Noshad (VLNComm)
* The meeting was called to order by the Chair Volker Jungnickel (Fraunhofer HHI).
* Discussion on John’s presentation 0514/r0

The committee discussed question 1 on slide 3 in 0514/r0 concerning VPPM but postponed the decision to Meeting #3.

The committee discussed question 2 on slide 3 in 0514/r0 concerning RPO-OFDM. Including this modulation would break the basic assumption to implement modulation and dimming as separate functions in the OWC system. This assumption leads to significant simplification of the PHY and MAC layer.

**TG3 motion #5**

**TG13 moves that:**

**all text on RPO-OFDM is removed from D1 in order to separate data transmission and dimming.**

**Moved by: John**

**Seconded by: Volker**

**Y/N/A:  3/0/0**

The committee continued the discussion on question #1.

The meeting recessed until PM2.

**Meeting #3, Monday 11 September 2017, PM 3 (16:00 – 18:00)**

Attendees:

* Volker Jungnickel (Fraunhofer HHI)
* Mohammad Noshad (VLNComm)
* Li Qiang-John (Huawei)
* Mohammad Noshad (VLNComm)

The committee continued the discussion on question #1 and summarized the current status in the following Motion, although the views are still controversial in the details.

TG13 motion #6

TG13 moves that:

The way forward on VPPM is to keep it in the standard as one possible modulation method of the Pulsed Modulation PHY. Informative text on the principles of dimming will be contained in Section 4. Implementation details will be described in an Annex.

Moved by: Mohammad

Seconded by: John

Y/N/A:  3/0/0

The committee continued the discussion on question #3 on slide 3 in 0514/r0 which resulted in the following motion.

TG13 Motion #7

TG13 moves that:

The concepts of visibility pattern and compensation time for dimming support will be removed from the specification since dimming has been moved to the annex.

Moved by: Mohammad

Seconded by: John

Y/N/A:  3/0/0

The committee continued the discussion on the questions contained on slide 4 in 0514/r0 which resulted in the following motion.

TG13 Motion #8

TG13 moves that:

Color function shall be moved to the Appendix H, as agreed in previous comment resolution in doc. 15-17-0297-02, as it belongs to the user interface and is not part of the PHY and MAC layer defined in TG13.

Moved by: John

Seconded by: Volker

Y/N/A:  3/0/0

The committee continued the discussion on the questions contained on slide 5. The general view is that the Pulsed Modulation PHY is a combination of the outcome of the Ad-hoc and some parts remaining from the old PHY II from 15.7-2011. The detailed discussion is postponed to one of the sessions on Tuesday.

The meeting recessed until Tuesday AM1.