**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | January 2017 IEEE802.15.7r1 Minutes | |
| Date Submitted | January 2017 | |
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| Abstract | [Minutes of January 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 802.15.7r1 met for 12 sessions during the January 2016 meeting.**

**Session 1 (16 January 2016)**

**AM 2 (10:30 – 12:30)**

Yeong Min Jang (Kookmin University) – Chair

Attendees:

* **Yeong Min Jang – Kookmin University**
* **Rick Roberts – Intel**
* **Nam Tuan Le – Kookmin Univerisity**
* **Nikola Serafimovski – pureLiFi**
* **Prof. Soo Young Chang – California State University Sacramento**
* **Hideki Aoyama – Panasonic**
* **Trang Nguyen – Kookmin University**
* **Prof. Jaesang Cha – Seoul National University of Science & Technology**
* **Vinayagam Mariappan - Seoul National University of Science & Technology**
* **Li Qiang – Huawei Technologies**
* **Tuncer Baykas - Istanbul Medipol University**
* **Wally - National Taiwan University**
* **Gaurav Patil – Vlncomm**
* **Xu Wang – Vlncomm**
* **Ilhong Shin – Electronics and Telecommunications Research Institute ( ETRI)**
* **Sunghee Lee - Electronics and Telecommunications Research Institute ( ETRI)**
* **Yong Ik Yoon – SookMyung Women’s University, Korea**
* **Mitsuaki Oshima – Panasonic**
* **Volker Jungnickel – Fraunhofer HHI**

Meeting called to order.

* Chairman discusses about the Agenda document TG7m OWC TG agenda-January-2017 (15-17-46).
* Discussion about the Agenda content: Li Qiang suggests the resolution comments should be kept until split decision. Volker, Tuncer, Intel discuss the PAR of study group. Jaesang Cha suggests the name of OCC name should include LED-ID. Intel replies the name of study group 802.15.7m, the name of OCC and LED-ID don’t need to show in the resolution comments.
* Rick reviews the resolution comments

+ Add section 4.4.4 Light Quality Requirements

+ Resolutions comments

* Meeting in recess until section 2 (PM2).

**Session 2 (16 January 2016)**

**PM 2 (16:00 – 18:00)**

Yeong Min Jang (Kookmin University) – Chair

Attendees:

* **Yeong Min Jang – Kookmin University**
* **Rick Roberts – Intel**
* **Nikola Serafimovski – pureLiFi**
* **Prof. Soo Young Chang – California State University Sacramento**
* **Hideki Aoyama – Panasonic**
* **Trang Nguyen – Kookmin University**
* **Nam Tuan Le – Kookmin Univerisity**
* **Prof. Jaesang Cha – Seoul National University of Science & Technology**
* **Vinayagam Mariappan - Seoul National University of Science & Technology**
* **Li Qiang – Huawei Technologies**
* **Tuncer Baykas - Istanbul Medipol University**
* **Wally - National Taiwan University**
* **Gaurav Patil – Vlncomm**
* **Xu Wang – Vlncomm**
* **Ilhong Shin – Electronics and Telecommunications Research Institute ( ETRI)**
* **Sunghee Lee - Electronics and Telecommunications Research Institute ( ETRI)**
* **Yong Ik Yoon – SookMyung Women’s University, Korea**
* **Mitsuaki Oshima – Panasonic**
* **Bob Heile – Wi-Sun Alliance**
* Meeting called to order from chairman.
* John suggests the separation should be discussed.
* Rick comments the options for separation which overlap between new interest group of LIFI in 802.11 and 802.15.7.r1
* Bob comments the separation issues about scope, PAR, CSD which can work together.
* The main split reason is MAC issue.
* Volker discusses the issue about energy and complexity on MAC.
* Nikola comments the application overlap of two projects.
* Rick suggests the technical editor for two groups.
* Nikola comments about the 32 bit and 64 bit MAC address.
* Bob mentions about the PAR scope.
* Rick points out the issues about MAC functions for PAR scope.
* Bob concludes the overlap on PAR is no importance of separation.
* So-Young mentions on new group PAR and CSD, no modification on the current of current group.
* Tuncer comments the PAR of current group should be modify due to some unsolved issues such as high speed PD data rate.
* Rick points the MAC complexity.
* Hideki expects the new PAR show up.
* Bob and John suggest the key point of PAR for new group should be considered the scope.
* Chairman updates the Agenda. (PAR of new group in Tue PM1, Wed PM).
* Meeting in recess until section 3(Tue. AM1).

**Session 3 (17 January 2016)**

**AM 1 (8:00 – 10:00)**

Yeong Min Jang (Kookmin University) – Chair

Attendees:

* **Yeong Min Jang – Kookmin University**
* **Rick Roberts – Intel**
* **Nam Tuan Le – Kookmin Univerisity**
* **Prof. Soo Young Chang – California State University Sacramento**
* **Hideki Aoyama – Panasonic**
* **Trang Nguyen – Kookmin University**
* **Vinayagam Mariappan - Seoul National University of Science & Technology**
* **Li Qiang – Huawei Technologies**
* **Wally - National Taiwan University**
* **Ilhong Shin – Electronics and Telecommunications Research Institute ( ETRI)**
* **Sunghee Lee - Electronics and Telecommunications Research Institute ( ETRI)**
* Volker Jungnickel – Fraunhofer HHI
* Meeting called to order from chairman.
* Comment resolutions.
* Meeting in recess until section 4(Tue. AM2).

**Session 4 (17 January 2016)**

**AM 2 (10:30 – 12:30)**

Yeong Min Jang (Kookmin University) – Chair

Attendees:

* **Yeong Min Jang – Kookmin University**
* **Rick Roberts – Intel**
* **Nam Tuan Le – Kookmin Univerisity**
* **Prof. Soo Young Chang – California State University Sacramento**
* **Hideki Aoyama – Panasonic**
* **Trang Nguyen – Kookmin University**
* **Vinayagam Mariappan - Seoul National University of Science & Technology**
* **Li Qiang – Huawei Technologies**
* **Wally - National Taiwan University**
* **Ilhong Shin – Electronics and Telecommunications Research Institute ( ETRI)**
* **Sunghee Lee - Electronics and Telecommunications Research Institute ( ETRI)**
* **Mitsuaki Oshima – Panasonic**
* Meeting called to order from chairman.
* Comment resolutions.
* Meeting in recess until section 4(Tue. PM1).

**Session 5 (17 January 2016)**

**PM 1 (1:30 – 15:30)**

Yeong Min Jang (Kookmin University) – Chair

Attendees:

* **Yeong Min Jang – Kookmin University**
* **Rick Roberts – Intel**
* **Nikola Serafimovski – pureLiFi**
* **Prof. Soo Young Chang – California State University Sacramento**
* **Hideki Aoyama – Panasonic**
* **Trang Nguyen – Kookmin University**
* **Nam Tuan Le – Kookmin Univerisity**
* **Prof. Jaesang Cha – Seoul National University of Science & Technology**
* **Vinayagam Mariappan - Seoul National University of Science & Technology**
* **Li Qiang – Huawei Technologies**
* **Tuncer Baykas - Istanbul Medipol University**
* **Wally - National Taiwan University**
* **Gaurav Patil – Vlncomm**
* **Xu Wang – Vlncomm**
* **Ilhong Shin – Electronics and Telecommunications Research Institute ( ETRI)**
* **Sunghee Lee - Electronics and Telecommunications Research Institute ( ETRI)**
* **Yong Ik Yoon – SookMyung Women’s University, Korea**
* **Mitsuaki Oshima – Panasonic**
* **Bob Heile – Wi-Sun Alliance**
* Volker Jungnickel – Fraunhofer HHI
* Meeting called to order from chairman.
* **Volker** presents the PAR scope.
* **Soo-Young, Prof. Jaesang Cha** comments on the PAR scope about OFDM technique.
* **Bob** postpones D2 until March meeting.
* **Nikola** suggest OCC task group should not cover 802.15.7 specification.
* Comment resolutions.
* Meeting in recess until section 6(Tue. PM2).

**Session 6 (17 January 2016)**

**PM2 (16:00 – 18:00)**

Yeong Min Jang (Kookmin University) – Chair

Attendees:

* **Yeong Min Jang – Kookmin University**
* **Rick Roberts – Intel**
* **Nikola Serafimovski – pureLiFi**
* **Prof. Soo Young Chang – California State University Sacramento**
* **Hideki Aoyama – Panasonic**
* **Trang Nguyen – Kookmin University**
* **Nam Tuan Le – Kookmin Univerisity**
* **Prof. Jaesang Cha – Seoul National University of Science & Technology**
* **Vinayagam Mariappan - Seoul National University of Science & Technology**
* **Wally - National Taiwan University**
* **Xu Wang – Vlncomm**
* **Yong Ik Yoon – SookMyung Women’s University, Korea**
* **Mitsuaki Oshima – Panasonic**
* Meeting called to order from chairman.
* Comment resolutions.
* Meeting in recess until section 7(Wed. PM1).

**Session 7 (18 January 2016)**

**PM 1 (13:30 – 15:30)**

Yeong Min Jang (Kookmin University) – Chair

Attendees:

* **Yeong Min Jang – Kookmin University**
* **Rick Roberts – Intel**
* **Prof. Soo Young Chang – California State University Sacramento**
* **Hideki Aoyama – Panasonic**
* **Trang Nguyen – Kookmin University**
* **Nam Tuan Le – Kookmin Univerisity**
* **Prof. Jaesang Cha – Seoul National University of Science & Technology**
* **Vinayagam Mariappan - Seoul National University of Science & Technology**
* **Wally - National Taiwan University**
* **Yong Ik Yoon – SookMyung Women’s University, Korea**
* **Xu Wang – Vlncomm**
* **Ilhong Shin – Electronics and Telecommunications Research Institute ( ETRI)**
* **Sunghee Lee - Electronics and Telecommunications Research Institute ( ETRI)**
* Meeting called to order from chairman.
* Comment resolutions.
* Meeting in recess until section 8(Wed. PM2).

**Session 8 (18 January 2016)**

**PM 2 (16:00 – 18:00)**

Yeong Min Jang (Kookmin University) – Chair

Attendees:

* **Yeong Min Jang – Kookmin University**
* **Rick Roberts – Intel**
* **Prof. Soo Young Chang – California State University Sacramento**
* **Hideki Aoyama – Panasonic**
* **Trang Nguyen – Kookmin University**
* **Nam Tuan Le – Kookmin Univerisity**
* **Prof. Jaesang Cha – Seoul National University of Science & Technology**
* **Vinayagam Mariappan - Seoul National University of Science & Technology**
* **Wally - National Taiwan University**
* **Yong Ik Yoon – SookMyung Women’s University, Korea**
* **Xu Wang – Vlncomm**
* **Ilhong Shin – Electronics and Telecommunications Research Institute ( ETRI)**
* **Sunghee Lee - Electronics and Telecommunications Research Institute ( ETRI)**
* Meeting called to order from chairman.
* Comment resolutions.
* Meeting in recess until section 9(Thursday AM1).

**Session 9 (19 January 2016)**

**AM 1 (8:00 – 10:00)**

Yeong Min Jang (Kookmin University) – Chair

Attendees:

* **Yeong Min Jang – Kookmin University**
* **Rick Roberts – Intel**
* **Prof. Soo Young Chang – California State University Sacramento**
* **Hideki Aoyama – Panasonic**
* **Trang Nguyen – Kookmin University**
* **Nam Tuan Le – Kookmin Univerisity**
* **Prof. Jaesang Cha – Seoul National University of Science & Technology**
* **Vinayagam Mariappan - Seoul National University of Science & Technology**
* **Wally - National Taiwan University**
* **Yong Ik Yoon – SookMyung Women’s University, Korea**
* **Xu Wang – Vlncomm**
* **Ilhong Shin – Electronics and Telecommunications Research Institute ( ETRI)**
* **Sunghee Lee - Electronics and Telecommunications Research Institute ( ETRI)**
* Meeting called to order from chairman.
* Comment resolutions.
* Meeting in recess until section 10(AM2).

**Session 10 (19 January 2016)**

**AM 2 (10:30 – 12:30)**

Yeong Min Jang (Kookmin University) – Chair

Attendees:

* **Yeong Min Jang – Kookmin University**
* **Rick Roberts – Intel**
* **Prof. Soo Young Chang – California State University Sacramento**
* **Hideki Aoyama – Panasonic**
* **Trang Nguyen – Kookmin University**
* **Nam Tuan Le – Kookmin Univerisity**
* **Prof. Jaesang Cha – Seoul National University of Science & Technology**
* **Vinayagam Mariappan - Seoul National University of Science & Technology**
* **Wally - National Taiwan University**
* **Yong Ik Yoon – SookMyung Women’s University, Korea**
* **Xu Wang – Vlncomm**
* **Ilhong Shin – Electronics and Telecommunications Research Institute ( ETRI)**
* **Sunghee Lee - Electronics and Telecommunications Research Institute ( ETRI)**
* Meeting called to order from chairman.
* Comment resolutions.
* Meeting in recess until section 11(PM1).

**Session 11 (19 January 2016)**

**PM 1 (13:30 – 15:30)**

Yeong Min Jang (Kookmin University) – Chair

Attendees:

* **Yeong Min Jang – Kookmin University**
* **Rick Roberts – Intel**
* **Prof. Soo Young Chang – California State University Sacramento**
* **Hideki Aoyama – Panasonic**
* **Trang Nguyen – Kookmin University**
* **Nam Tuan Le – Kookmin Univerisity**
* **Prof. Jaesang Cha – Seoul National University of Science & Technology**
* **Vinayagam Mariappan - Seoul National University of Science & Technology**
* **Wally - National Taiwan University**
* **Yong Ik Yoon – SookMyung Women’s University, Korea**
* **Xu Wang – Vlncomm**
* **Ilhong Shin – Electronics and Telecommunications Research Institute ( ETRI)**
* **Sunghee Lee - Electronics and Telecommunications Research Institute ( ETRI)**
* Meeting called to order from chairman.
* Schedule for D2, LiFi comment resolution.
* Comment resolutions.
* Meeting in recess until section 12(PM2).

**Session 12 (19 January 2016)**

**PM 2 (16:00 – 18:00)**

Yeong Min Jang (Kookmin University) – Chair

Attendees:

* **Yeong Min Jang – Kookmin University**
* **Rick Roberts – Intel**
* **Prof. Soo Young Chang – California State University Sacramento**
* **Hideki Aoyama – Panasonic**
* **Trang Nguyen – Kookmin University**
* **Nam Tuan Le – Kookmin Univerisity**
* **Prof. Jaesang Cha – Seoul National University of Science & Technology**
* **Vinayagam Mariappan - Seoul National University of Science & Technology**
* **Wally - National Taiwan University**
* **Yong Ik Yoon – SookMyung Women’s University, Korea**
* **Xu Wang – Vlncomm**
* **Ilhong Shin – Electronics and Telecommunications Research Institute ( ETRI)**
* **Sunghee Lee - Electronics and Telecommunications Research Institute ( ETRI)**
* Meeting called to order from chairman.
* Comment resolutions.