IEEE P802.15  
Wireless Specialty Networks

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| IEEE 802.15.13  July to September 2019 Telco Minutes | | | | |
| Date: 2019-09-15 | | | | |
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Abstract

# This document contains the TG13 Multi-Gigabit/s Optical Wireless Communications Telco minutes from July 2019 to September 2019.

**Tuesday, July 30, 2019, 10:00 EDT time**

**Attendance:**

* Volker Jungnickel (HHI)
* Kai Lennert Bober (HHI)
* Chong Han (pureLiFi)
* Nikola Serafimovski (pureLiFi)

1. The phone call was opened.
2. Work on the PM-PHY will be continued when Xu and Sang-Kyu are present.
3. Work on the draft is ongoing.
   1. Conversion to the official IEEE template is difficult because formatting must be adapted in most parts.
   2. The draft 6.0 will be finished this week or in beginning of next week
   3. The draft title is not yet clear
   4. Introduction text must still be written, abbreviations and glossary included / fixed
4. The call was closed

**Tuesday, August 13, 2019, 10:00 EDT time**

**Attendance:**

* Kai Lennert Bober (HHI)
* Chong Han (pureLiFi)
* Xu Wang (VLNComm)
* Tuncer Baykas (Medipol University)

1. The phone call was opened.
2. Agenda item: Relay and MIMO will be added by Tuncer
3. Proposed mode of work until Hanoi:
   1. Work on Word document of draft 6.0
   2. Everybody comments on the word document
   3. Combine comments in document for next telco on August 27.
   4. The TG resolves comments, then translates to Excel sheet before Hanoi
   5. Combined comments will hopefully be contention-free
4. Next weeks: communicate comments via email, as telco time is limited
5. Focus is currently on later clauses such as the MAC-PHY integration and review of the PHY clauses
6. Draft 6.0 will be sent to James Gilb for review
7. The call was closed

**Tuesday, August 27, 2019, 10:00 EDT time**

**Attendance:**

* Kai Lennert Bober (HHI)
* Volker Jungnickel (Fraunhofer HHI)
* Chong Han (pureLiFi)
* Xu Wang (VLNComm)

1. The call was opened
2. Draft was sent to James Gilb but no response yet
3. Today planned to go through open issues (TBDs) in slideset from Vienna (doc. 15-19-0274-05-0013) and discuss / resolve TBDs
   1. Majority of missing references is corrected in latest draft 6.0
   2. Turn Around Interframe Space is the only IFS one for now. Nobody currently sees technical requirement for other IFS such as between successive transmissions.
   3. OWPAN ID was agreed to be a 48-bit address, please fix any inconsistencies in draft via comments
   4. In many places, MIMO details will be contributed. If not, remaining inconsistent text (such as in clause 4) will be removed next meeting before WGLB.
   5. Remove all security remains and authentication via comments
   6. The optical clock rate will be part of the PM-PHY header. The header is transmitted in lowest optical clock rate. This way, per PPDU adaptation of the OCR is possible.
   7. An MCS table for PM PHY will be added, specifying predefined MCS consisting of PAM-mode, line coding, OCR to be used for payload
      1. Create comment to include clock rate in MCS and add respective Table in PM-PHY
      2. OCR will be mixed into MCS ID
   8. BAT Request block size will be further discussed
   9. No questions regarding Auxiliary Address field
   10. Element numbering for variable element container is sufficient in latest draft
   11. Advanced Modulation Control element belongs to MIMO. Can be removed if not used by MIMO contribution.
   12. Poll frame descriptions will be augmented by sentence part describing that poll frames are only mandatory in NBE mode.
   13. GTS request element: Unit of Queue Length report is not clear. We need realistic values.
   14. Support of priorities is decided, but data frames need to include the priority info somehow. The information could be part of a new data frame subtype.
4. The call was closed

**Tuesday, September 03, 2019, 10:00 EDT time**

**Attendance:**

* Kai Lennert Bober (HHI)
* Volker Jungnickel (Fraunhofer HHI)
* Chong Han (pureLiFi)
* Xu Wang (VLNComm)
* Tuncer Baykas (Medipol University)

1. The call was opened
2. Text for the introduction of MIMO will be presented in Hanoi
3. Todo list was uploaded as doc. 15-19-0390-00-0013. The open points are discussed:
   1. Random Access Element is okay and does not require changes
   2. Probe Request Element: Put sentence describing that it is used only in Non-Beacon-Enabled mode.
   3. Priority in MCPS-SAP: probably, a new data frame subtype will be integrated to carry a priority and provide this information to the MCPS-DATA.indication primitive
   4. Energy detection threshold: plan is to make the threshold implementation-specific. To do: update the corresponding subclause of clause 5.
4. The call was closed

**Tuesday, September 10, 2019, 10:00 EDT time**

**Attendance:**

* Kai Lennert Bober (HHI)
* Chong Han (pureLiFi)

1. The call was opened
2. The call was closed due to too little attendance