IEEE 802.15  
Wireless Specialty Networks

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| IEEE P802.15.13  May to July 2019 Telco Minutes | | | | |
| Date: 2019-07-14 | | | | |
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Abstract

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

**Tuesday, May 21, 2019, 10:00 EDT time**

**Attendance:**

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

1. The phone call was opened by the TG13 chair.
2. Q: According to the closing slides, the objective for July is finishing clause 5, 6, 7 but not clause 4 and 8. Is that correct?  
   A: Draft is in good shape. Until July clause 4 can be written. Security should be adopted from 802.15.4. Alternatively, security can be left out. Goal is to finish whole text until July.
3. The further process until standard approval was explained.
4. Q: Are there plans / agreements on other clauses, especially PHY clauses?  
   A: No. Some editorial work is still needed on PHYs. Furthermore, abstract specification of PHY services in still needed and some parts must be integrated into PHY clauses therefore.
5. Costs for standardization are high. Errors can only be found through implementation. It would be good to come to an end and just open a new project if needed.
6. Probably security will be removed out for the WGLB. This would result in clause 8 being removed plus the frame format being adapted.
7. In the further process, the draft shall be streamlined via comments. Comments shall be gathered by each party in offline work
8. The telco was closed.

**Tuesday, June 04, 2019, 10:00 EDT time**

**Attendance**:

* Kai Lennert Bober (Fraunhofer HHI)
* Xu Wang (VLNComm)
* Chong Han (PureLiFi)

1. The phone call was opened.
2. The current draft is discussed.
3. It was discussed what is meant “by superframe timing”. The standard should propose a periodic occurrence of the beacon frame.
4. The number of CAP slots within a superframe should be reflected by a PIB attribute. The coordinator’s implementation-specific scheduler should set this attribute. The coordinator MAC should generate the beacon frame based on that attribute. The device is expected to update its according attribute with the value from the superframe descriptor.
5. The selection of the contention window for CAP access was discussed.
6. The nature of the GTS request (i.e. it being a information about the queue fill state from the device to the coordinator) was discussed.
7. The flow charts for association and GTS request in the beacon-enabled mode were discussed.
8. The call was closed.

**Tuesday, June 26, 2019, 10:00 EDT time**

**Attendance**:

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

1. The call was opened by the TG13 chair.
2. It was discussed that data frames should always have a sequence control field present.
3. Discussion about fragmentation and sequence numbers:
   1. Is each individual fragment / MPDU acknowledged?
   2. Fragment number in ACK?
   3. Use same sequence number for all fragments of a single (A-)MSDU?
   4. If fragments identified through continuously increasing sequence number, keep fragment number?
   5. What about priorities and interspersing?
   6. Solution: keep possibility to acknowledge whole reassembled MSDU. Later element to request missing fragment from transmitter can be added as optimization.
4. The call was closed.

**Tuesday, July 02, 2019, 10:00 EDT time**

**Attendance:**

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

1. The call was opened by the TG13 chair.
2. Security can be removed for WGLB. Comments to remove Sec should be collected.
3. Clause 9 will be overhauled.
4. Sequence number will be in every data frame.
5. The call was closed