IEEE P802.15
Wireless Specialty Networks

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| IEEE 802.15.13 December 5 2018 Telco Minutes |
| Date: 2018-12-05 |
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Abstract

# This document contains the TG13 Multi-Gigabit/s Optical Wireless Communications Telco minutes from November 2018 to January, 2019.

**IEEE 802.15.13**

**Wednesday, November 21, 2018**

**Attendance**:

* Volker Jungnickel (Fraunhofer HHI)
* Kai Lennert Bober (Fraunhofer HHI)
* Chong Han(PureLifi)
* John (Hisilicon)
* Sang-Kyu Lim (ETRI)
1. The Chjair explained the reason for the teleconference which is to further proceed of creating the draft. The current version is hardly readable. Currently there is text for the non-beacon-enabled mode while the text for the beacon-enabled mode is to be created currently. At the next meeting a readable draft will be needed in order to make comments. Line numbers can be easily added via Word.
2. John sent a new word document, based on D3.0. The structure and figures are now much cleaner, but equations are missing from the document. Volker mentioned that the 802.11 group edits drafts also in Word. Following a few simple rules makes it easy to convert the draft into Framemaker finally.
3. John will send a new document including the equations. Based on that document, further drafts will be generated and comments made. Finally, a Framemaker version will be created.
4. John will also find existing Visio files of the figures and provide those when it is possible for him. Volker has opened a Tempobox folder for both Technical Editors to exchange drafts and figures.

**Tuesday, November 27, 2018 9:30-10:30 U.K. time**

**Attendance:**

* Volker Jungnickel (HHI)
* Kai Lennert Bober (HHI)
* Chong Han (pureLiFi)
1. The Chair notified that the agenda for this telco is MAC. However, Xu is not available and the contribution for the beacon-enabled MAC should be discussed between Xu and Lennert.
2. A new mode of operation for generating MAC text is proposed: Lennert creates text (“draft”) for beacon-enabled mode and the group makes comments against it via the email reflector. Lennert will then incorporate the comments into the text and upload updated versions on mentor. This is the same way as with PM PHY and in this way, the text is expected to grow. The group agreed to proceed in this way.
3. An additional telephone conference for the discussion of MAC text is scheduled on 5. December 2018 between 9:30 to 10:30 AM EDT. The first incomplete draft for the beacon-enabled mode will be uploaded to mentor by 30. November.
4. Chong has no further updates but is waiting for the updated text from John. The working of the hosted storage provided by HHI is examined with Chong.

**December 5, 2018, 9:30 to 10:30 AM EDT**

**Attendance**

Volker Jungnickel (HHI)

Kai Lennert Bober (HHI)

Nikola Serafimovski (pureLiFi)

Chong Han (pureLiFi)

1. The Chair moved to the only point on the agenda which was discussion of the text on beacon-enabled MAC mode.
2. Lennert presented doc. 15-18/0616r1 which introduces draft text for the beacon-enabled mode.
	* The problem is that nobody except one member of the group has sent input or comments and the document so it is not yet agreed among the major stakeholders of the BE MAC
	* It was asked to focus first on the distinctive point between NBE and BE MAC
	* Lennert proposed to use one of the reserved bits 13-15 in the frame control field
	* Chong suggested to put it into the first two bits of a frame i.e. into the frame version field
	* There was a discussion what the best approach is and outcome was not quite clear. It was discussed what implications the choice would have
	* Lennert’s suggestion
		1. would eat up one bit from the reserved ones
		2. Chong feels uncomfortable with this approach
	* Chong’s suggestion
		1. might cause troubles with some WG members
		2. would mean that we switch between different frame versions, i.e. BE MAC is expected to define all frames on its own
	* The discussion was postponed to next week
	* Lennert explained that there are gaps in the definition of the beacon period and it was discussed if it is needed or not
	* CAP is organized as slotted ALOHA
	* Reservations in the CAP (as originally proposed by Xu) should be moved to the CFP
	* The proposal existing now should be confirmed by Xu
	* CFP contains uplink, downlink data, control and mgmt. frames
	* Direction of GTS should be kept
	* GTS allocation is organized via control frames
	* SIFS shall be regarded in the gap between GTSs to take turnaround time into account
	* Spatial reuse of GTS is allowed in different areas of the room
	* Synchronization to the coordinator clock via beacon frame

The meeting is in recess.