IEEE P802.15
Wireless Specialty Networks

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| IEEE 802.15.13 November, 2018 Interim Meeting Minutes for Bangkok, Thailand |
| Date: 2018-11-13 |
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Abstract

# This document contains the TG13 Multi-Gigabit/s Optical Wireless Communications Meeting minutes from the November Plenary meeting in Bangkok, Thailand.

**IEEE 802.15.13**

**Tuesday, November 13, 2018, AM1**

Attendance

Volker Jungnickel (HHI)

Kai Lennert Bober (HHI)

Tuncer Baykas (Mediopol Uiversity)

Nikola Serafimovski (pureLiFi)

Chong Han (pureLiFi)

Xu Wang (VLNComm, remote)

Arturo Campos (GiGaLiFi)

Vinayagam Mariappan (SNUST)

YEONG MIN JANG (Kookmin University)

1. The Chair presented the agenda doc. 15-18/0530r0 and read the relevant attendance and IP elements.
2. The agenda (doc. 15-18/0530r1) was approved with unanimous consent.
3. Meeting minutes for September 2018 Interim (doc. 15-18/0525r1) were approved with unanimous consent.
4. Meeting minutes for the teleconferences between the September 2018 interim and the November 2018 plenary (doc. 15-18/0528r1) were approved with unanimous consent.
5. Xu presented doc. 15-18/0562r0 including GTS allocation/deallocation, HCM allocation frame,
	1. Xu proposed to remove receive GTS, requirement of ACK for GTS request.
	2. Xu proposed to balance the requests from all devices in the GTS assignment mechanism, and accept based on capacity.
	3. Xu proposed new frame for HCM allocation. Volker questioned the concept that how to combine the GTS with HCM. Volker concerns that HCM is good for UL, but no difference for DL. Xu agreed with the benefits of HCM. This proposal is for DL. Chong commented on the type and subtype are to be confirmed once we have a comprehensive list of frames. Lennert commented that type 00 is for management frames which has up to 16 in terms of numbers in total. Chong responded that the list of the management frames is to be agreed since many of them may not be needed. Volker questioned if necessary to duplicate the HCM info in both PHY and MAC. Lennert and Xu confirmed duplication of the info is necessary; every device needs to know the info before decoding.
	4. Xu proposed new frame for MCS request command to adjust MCS based on cannel condition. Lennert commented this frame could be control frame instead of management frame. Xu agreed to deem this as control frame.
	5. Xu proposed new frame for LED selection request/respond in the multi-LED transmitter. Volker asked whether to select one or a group of LEDs. Xu answered it does not have to be a group of LEDs; delay is not considered in the proposal. Offline discussion is arranged on Thursday AM1.

The meeting is in recess.