IEEE P802.15  
Wireless Specialty Networks

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| IEEE 802.15.13  November, 2021 Plenary On-line Meeting Minutes | | | | |
| Date: 2022-01-03 | | | | |
| Author: | | | | |
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Abstract

# This document contains the TG13 Multi-Gigabit/s Optical Wireless Communications Meeting minutes from the Plenary on-line meeting in November 2021.

**Wednesday, November 10, 2021, 13:00-15:00 (ET) Session #1**

Attendance

* Volker Jungnickel (Fraunhofer HHI)
* Kai Lennert Bober (Fraunhofer HHI)
* Sang-Kyu Lim (ETRI)
* Tero Kivinen (Self)
* Around 10 to 12 people

1. The Chair, Volker Jungnickel (Fraunhofer HHI), called the meeting to order.
2. The Chair read the IP and patent policy, the logistics, and TG13 operating rules.
   * No one came forward.
3. Chair informed that the registration should be paid.
4. Chair presented agenda 11-21/563r1
   * Group continue comment resolution 153 comments
   * 83 are resolved, 44 assigned, 20 open
5. Motion to approve the agenda for November TG13 virtual meeting in doc.11-21/563r1
   * Moved by: Tuncer Baykas (Kadir Has Uni)
   * Seconded by: Kai Lennert Bober (Fraunhofer HHI)
   * Motion passed with unanimous consent.
6. Move to request that 802.15 WG approves the formation of a Comment Resolution Group (CRG) for the Standards Association balloting of the P802.15.13\_D5 with the following membership: Volker Jungnickel as Chair, Chong Han, Tuncer Baykas, Sang-Kyu Lim, Tero Kivinen. The 802.15.13 CRG is authorized to approve comment resolutions, edit the draft according to the comment resolutions, and to approve the start of recirculation ballots of the revised draft on behalf of the 802.15 WG. Comment resolution on recirculation ballots between sessions will be conducted via reflector email and via teleconferences announced to the reflector as per the LMSC 802 WG P&P.

Moved: Kai Lennert Bober

Second: Tuncer Baykas

* + Motion passed with unanimous consent.

1. Group checked the CRG telcos shown in 15-21/563r2
   * From 29th November to 10th January weekly at 11:00 CET weekly
   * Except 27th of November
2. Chair explained ballot and comment resolution status shown in 15-21/563r2
3. Kai Lennert Bober start comment resolution using 15-21/524r4
   * R1-15, R1-166 and R1-167 are discussed.
     1. Resolution is to remodel TAIFS to become MIFS.
   * R1-112, R-115 are discussed
     1. A revised resolution is provided
   * R1-159 is discussed and revised resolution is provided
   * R1-169 and R1-174 discussed and assigned
   * R1-173 is discussed and assigned
   * R1-175 is discussed and is resolved with R1-100
   * R1-188 is discussed and a revised resolution is provided

Meeting is recessed.

**Thursday, November 11, 2021, 1-3 p.m Session #2**

Attendance

Volker Jungnickel (Fraunhofer HHI)

Kai Lenner Bober (Fraunhofer HHI)

Harry Bims (Bims Laboratories)

Hoichi Kitazawa (Muroran IT)

Tuncer Baykas (Khasir Has University)

Dries Neirynck (Novelda)

Rani Keren (Huawei)

Rober Müller (TU Ilmenau)

Sang-Kyu Lim (ETRI)

Shigenobu Sasaki (Niigata University)

Stefan Lemsitzer (NXP)

Jeng-Shiann Jiang (Vertexcomm)

1. The Chair, Volker Jungnickel (Fraunhofer HHI), called the meeting to order.
2. The Chair read the IP and patent policy, the logistics, and TG13 operating rules.
   * No one came forward.
3. Chair informed that the registration should be paid.
4. Chair presented agenda 11-21/563r1
5. Kai Lennert Bober start comment resolution using 15-21/524r5

Comments resolved:

* R1-164 restructure text
* R1-15 on inter-frame spaces, many detailed actions
* R1-168 created the following discussion, postpone and assign to Volker

**Discussion on clock speed selection for HB-PHY**

* the coordinator should define the max. clock speed in the network
* devices support their own max. clock rate. HB-PHY needs some overhauling
* missing functionality is that for each PPDU the bandwidth can be different
* HB-PHY should support that MCS and bandwidth can be different
* one could take the freedom in this standard to adopt the same mechanism like it is already defined for the PM PHY, i.e. use the lowest clock rate for the preamble and the header, communicate the intended clock rate in the header so that only the payload is using the intended clock rate. That would facilitate interoperability of different device classes supported by different vendors.
* R1-171 formula to compute the data rate of the PM-PHY is needed in the MAC layer 🡪 assigned to Volker

Meeting is recessed.

**Monday, November 15, 2021, 11 a.m -1 p.m. Session #3**

* Volker Jungnickel (Fraunhofer HHI)
* Kai Lennert Bober (Fraunhofer HHI)
* Sang-Kyu Lim (ETRI)
* Tero Kivinen (Self)
* Around 10 to 12 people

1. The Chair, Volker Jungnickel (Fraunhofer HHI), called the meeting to order and asked for attendance check.
2. The Chair brought the agenda doc. 15-21-0563-01-0013 to the screen and read the IP and patent policy, the logistics, and TG13 operating rules.
3. According to the IEEE 802.15 guideline, the Chair introduced a couple of slides to communicate the need for registering for 802 mtgs. and the consequences of not doing so.
4. The Chair updated the agenda doc., so the updated agenda doc. 15-21-0563-02-0013 will be uploaded to the mentor during the meeting.
5. Technical Editor brought the doc. 15-21-0524-06-0013 to the screen and continued the discussion on comment resolution.

Meeting is recessed.

**Tuesday, November 16, 2021, 09:00am-11:00am(EST) Session #4**

Attendance:

* Volker Jungnickel (Fraunhofer HHI)
* Kai Lennert Bober (Fraunhofer HHI)
* Sang-Kyu Lim (ETRI)
* Tero Kivinen (Self)
* Around 10 to 12 people

1. The Chair, Volker Jungnickel (Fraunhofer HHI), called the meeting to order and asked for attendance check.
2. The Chair brought the agenda doc. 15-21-0563-01-0013 to the screen and read the IP and patent policy, the logistics, and TG13 operating rules.
3. According to the IEEE 802.15 guideline, the Chair introduced a couple of slides to communicate the need for registering for 802 mtgs. and the consequences of not doing so.
4. The Chair updated the agenda doc., so the updated agenda doc. 15-21-0563-02-0013 will be uploaded to the mentor during the meeting.
5. The Chair asked Sang-Kyu Lim (ETRI) to take the meeting minutes for this session.
6. The Chair briefly introduced the current situation of TG13 for SA ballot 1st recirculation comment resolution. Especially, the issue was the comment resolution does not move forward speedily because a lot of comments were assigned to the contributors who mainly focus their attention on IEEE 802.11 TGbb and the comments are waiting to be resolved.
7. The Chair said they need time to prepare the resolutions for about a week. So, the discussion to resolve the comments assigned to them was postponed to next telco on November 29.
8. The group reviewed the meeting minutes for September Interim On-line Meeting and the CRG telcos minutes between October and November. The document numbers of the minutes were corrected for approval.
9. TG13 **Motion** to approve the meeting minutes for September Interim Meeting in document 15-21-0579-00-0013 and the CRG telcos minutes between October and November in document 15-21-0580-01-0013.  
     
   Moved by Tero Kivinen   
   Seconded by Sang-Kyu Lim  
   Approved by unanimous consent MOTION PASSES
10. The Technical Editor, Kai Lennert Bober (Fraunhofer HHI), took over the host position for SA ballot 1sr recirculation comment resolution from the Chair.
11. Technical Editor brought the doc. 15-21-0524-07-0013 to the screen for the discussion on comment resolution.
12. Technical Editor and Tero had a long discussion to resolve the comments, R1-169 and R1-151, but those were not completely resolved and assigned to the Technical Editor.
13. The discussion for comment resolution was stopped due to othe housekeeping issues.
14. The plan for finalization of TG13 Spec. was discussed.

* **D5.0 is in recirculation**
* Still some new inputs needed
* Decision on “wait” comments is expected next week
* 2nd recirc directed by CRG
* prepare D6.0, start 3rd recirc mid of December 2021
* result may be available in January 2022
* hopefully no more technical changes required
* 4th recirculation may be after January interim meeting
* Hope to get published in Q2 2022

1. The meeting adjourned.