IEEE P802.15  
Wireless Specialty Networks

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| IEEE 802.15.13  March 2021 Plenary Meeting Minutes | | | | |
| Date: 2021-03-17 | | | | |
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Abstract

# This document contains the TG13 Multi-Gigabit/s Optical Wireless Communications Meeting minutes from the plenary meeting in March 2021.

**Thursday, March 11, 2021, 05:00am-07:00am(EST) Session #1**

Attendance:

* Volker Jungnickel (Fraunhofer HHI)
* Sang-Kyu Lim (ETRI)
* Kai Lennert Bober (Fraunhofer HHI)
* Tuncer Baykas (Mediopol University)
* Chong Han (pureLiFi)
* Tero Kivinen (Self)
* Around 18 to 22 people

1. The Chair, Volker Jungnickel (Fraunhofer HHI), called the meeting to order and asked for attendance check.
2. The Chair presented the agenda doc. 15-21-0159-01-0013 and read the IP and patent policy, the logistics, and TG13 operating rules.
3. Kai Lennert Bober (Fraunhofer HHI) reported briefly the main points in the Opening Plenary on Tuesday at the request of the Chair because Kai Lennert Bober (Fraunhofer HHI) had took part in the Opening Plenary instead of the Chair.
4. The Chair briefly introduced the schedule of TG13 in this Plenary Meeting and the current situation of TG13 for SA ballot.
5. The Chair and Kai Lennert Bober (Fraunhofer HHI) asked Sang-Kyu Lim (ETRI) to take the meeting minutes because Kai Lennert Bober (Fraunhofer HHI) led the SA ballot comment resolution.
6. TG13 **Motion** to approve the agenda for this Plenary in document 15-21-0159-01-0013.  
     
   Moved by Sang-Kyu Lim   
   Seconded by Tero Kivinen  
   Approved by unanimous consent MOTION PASSES
7. The Motion to approve the meeting minutes for Interim On-line Meeting in January 2021 and the telco meeting minutes between January 2021 and March 2021 was postponed until next session.
8. Kai Lennert Bober (Fraunhofer HHI) took over the host position for SA ballot comment resolution from the Chair.
9. Tuncer Baykas (Mediopol University) asked Kai Lennert Bober (Fraunhofer HHI) how many comments have been resolved and unresolved.
10. Kai Lennert Bober (Fraunhofer HHI) reported briefly how the SA ballot comment resolution is going on.
11. The comments (I- 66, I-60, I-59, I-58, I-30, I-64, I-65, I-71, I-91, I-92, I-16, I-14, I-229, I-230) were discussed to resolve them.
12. The comment resolution for I-91 and I-92 was assigned to Chong Han (pureLiFi).
13. A new comment which is related to editorial issue in Table 33 was added to additional comment sheet because the editorial issue was detected in this resolution.
14. The approaches to achieve this comment resolution efficiently were discussed.
15. Please refer to the document 15-21-0033-08-0013 for details on the results of this comment resolution.
16. The meeting recessed.

**Monday, March 15, 2021, 06:00am-07:00am(EST) Session #2**

Attendance:

* Volker Jungnickel (Fraunhofer HHI)
* Sang-Kyu Lim (ETRI)
* Kai Lennert Bober (Fraunhofer HHI)
* Tuncer Baykas (Mediopol University)
* Chong Han (pureLiFi)
* Tero Kivinen (Self)
* Around 18 to 22 people

Chair called the metting to order.

1. The Chair, Volker Jungnickel (Fraunhofer HHI), called the meeting to order and asked for attendance check.
2. The Chair presented the agenda doc. 15-21-0159-02-0013 and read the IP and patent policy, the logistics, and TG13 operating rules.
   * No patents are claimed.
3. Motion:*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\_D4+D5 with the following membership: Volker Jungnickel as Chair, Nikola Serafimovski, 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: Tuncer Baykas**
   * **Second: Tero Kivinen**
   * Result: Motion passed unanimously.
4. Kai Lennert Bober presented in 15-21/0124r1 and CRG telcos in doc. 15-21/0123r3
5. Kai Lennert Bober continues comment resolution unsing Doc. 15-21-0033-09-0013
6. Group discussed what to do with HCM.
   * HCM could be removed to simplify with ON-OFF keying. Group discussed what can be done with new parts. Those sections can be put in mentor.
   * A new document will be prepared on how to remove HCM

* Group discussed what to do after March meeting
  + Work comments into D5.0
  + Start recirculation
  + Start comment resolution
* Group discussed the telcommunications dates.
  + 29 Mar. 2021, 11-13 CET (5-7 ET, 19-21 KT)
  + 05 Apr. 2021, 11-13 CET (5-7 ET, 19-21 KT)
  + 12 Apr. 2021, 11-13 CET (5-7 ET, 19-21 KT)
  + 19 Apr. 2021, 11-13 CET (5-7 ET, 19-21 KT)
  + 26 Apr. 2021, 11-13 CET (5-7 ET, 19-21 KT)
  + 02 May 2021, 11-13 CET (5-7 ET, 19-21 KT)

**Wednesday, March. 17, 2021, 6 a.m. ET**

Attendance:

* Volker Jungnickel (Fraunhofer HHI)
* Sang-Kyu Lim (ETRI)
* Kai Lennert Bober (Fraunhofer HHI)
* Tuncer Baykas (Mediopol University)
* Chong Han (pureLiFi)
* Tero Kivinen (Self)
* Around 18 to 22 people

Chair called the meeting to order.

1. The Chair presented the agenda doc. 15-21-0159-02-0013 and read the IP and patent policy, the logistics, and TG13 operating rules.
   * No patents are claimed.
2. Motion to approve of the meeting minutes from January in 15-21/0124r1 and CRG telcos in doc. 15-21/0123r3

Moved by Sang-Kyu Lim

Seconded by Tuncer Baykas

Motion passed with unanimous consent.

1. Group finalized CRG telco dates.
   * 29 Mar. 2021, 11-13 CET (5-7 ET, 19-21 KT)
   * 05 Apr. 2021, 11-13 CET (5-7 ET, 19-21 KT)
   * 12 Apr. 2021, 11-13 CET (5-7 ET, 19-21 KT)
   * 19 Apr. 2021, 11-13 CET (5-7 ET, 19-21 KT)
   * 26 Apr. 2021, 11-13 CET (5-7 ET, 19-21 KT)
   * 02 May 2021, 11-13 CET (5-7 ET, 19-21 KT)
2. Kai Lennert Bober presented Doc. 15-21-0033-09-0013 for comment resolution

I-289: A note for the resolution is provided. Group discussed how MAC should handle most of the thing. MLME-ASSOCIATE is handled. User shouldn’t need to reconnect everytime the commenction is lost. First association and others should be checked. Beacon should be transferred every X seconds. Make sure MAC fails association when beacon is not received anymore. Place an architechture that shows what DME expect from MAC. Add ne column to the table 16 for each MLME primitive.

I-343: The MCS is changed totally, PAM ID and LINE code ID is not needed. MCS ID is changed. Line coding ID is already removed.. We can have a table for MCS. List of MCS ID, 1 octet each would be enough. We will have a recirculation. Resolution copy resolution from A-19

I-238: Group decided to add a note, the symbol rate is fixed for all clock rates. The accuracy can be derived from the nominal clock rate in Table 40. Add explanatory sentence to the documents as shown in the noes.

I-347 Not added copy frpm A-19

I-19: Accepted

I-20: Not added left to the editor

I-1: Rejected no actionable input is provided. Please refer to clause 4.

1. Motion to adjourn. Approved.