IEEE P802.15
Wireless Specialty Networks

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| IEEE 802.15.13 2022 November Plenary Meeting Minutes |
| Date: 2022-11-17 |
| Author: |
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Abstract

# This document contains the TG13 Multi-Gigabit/s Optical Wireless Communications Meeting minutes during November Plenary.

**Tuesday, 15th Nov. 2022, 13:30 (Bangkok) PM#1 Session(9th FL Apt. #8, Virtual Rm. #4)**

Attendance in-person : Around 8 people

* Kai Lennert Bober (Fraunhofer HHI)
* Volker Jungnickel (Fraunhofer HHI)
* Sang-Kyu Lim (ETRI)
* Tuncer Baykas (Ofinno)
* Tero Kivinen (Self)
* Jonathan
* Clint Powell (Meta)

Attendance remotely by Webex :

* Ryuji Kohno (YNU)
* Chong Han (pureLiFi)
* Ankur (Samsung)
* rias AI-kadi
* Huan-Bang Li (NICT)
* Takumi Kobayashi (YNU)
1. Kai Lennert Bober supported the mixed-mode hybrid meeting by connecting the audio and video cables for the WebEx sharing with his laptop-PC. Chong Han remotely joined the meeting by WebEx. Then before starting the meeting, Kai Lennert Bober and Tero Kivinen checked whether the audio and display operation for mixed-mode is working correctly or not.
2. The IEEE 802.15.13 meeting was called to order by the Chair, Volker Jungnickel (Fraunhofer HHI). Sang-Kyu Lim (ETRI) recorded the minutes.

1. The Chair reviewed the IEEE-SA patent policy, logistics, and reminders, including meeting guidelines and attendance recording procedures.
	* No essential patents are claimed.
	* It is reminded all to record their attendance through the IMAT system.
	* Registration fee should be paid.
	* Deadbeat consequences in default of paying registration fee for a prior meeting
	* TG13 officers and operating rules
2. The Chair brought the agenda document (15-22/0590r0) and he updated the agenda document while introducing the overall agenda for the meeting. The Chair uploaded the updated agenda document 15-22/0590r1 to the document server.
3. The Group discussed the process for finishing SA Ballot and going to RevCom with Clint, WG Chair, and Tero. So, the Group looked through the template document 15-21/0624r0 for EC to RevCom. As a result of discussion, the Group decided that Volker fills the tables in doc. 15-21/0624r0 and e-mail to Clint for his review.
4. The Chair (Fraunhofer HHI) reported briefly the SA Ballot status of TG13 and the plan for November meeting.
* Initial SA letter ballot
	+ 82% return rate, 95% approval rate, 3 NO votes with 21 MBS comments
	+ 314 comments were received (9 general, 112 technical, 193 editorial)
* 1st Recirculation
	+ 83% return rate, 98% approval rate, 1 NO vote with 10 MBS comments
	+ 158 comments were received (1 general, 96 technical, 61 editorial)
* 2nd Recirculation
	+ 84% return rate, 97% approval rate, 2 NO votes with 6 MBS comments
	+ 94 comments were received (0 general, 45 technical, 49 editorial)
* 3rd Recirculation
	+ 85% return rate, 97% approval rate, 2 NO votes with MBS comments
	+ 153 comments were received (1 general, 78 technical, 74 editorial)

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* 5th Recirculation (end Nov. 14)
	+ 85% return rate, 98% approval rate, 1 NO vote with 1 MBS comment
	+ 17 comments were received (0 general, 11 technical, 6 editorial)
* Agenda in doc. 15-22/0590r0
	+ resolve comments against D9.0
	+ approve comment resolutions
	+ create D10.0
	+ Motion to start recirculation
	+ discuss timeline
* 4 slots this week
	+ TUE November-15 PM1
	+ WED November-16 PM2
	+ THUR November-17 AM1 🡪 cancelled on Wednesday, November 16
	+ THUR November-17 AM2
1. Kai Lennert Bober briefly mentioned the ITU-T issue which is related to coexistence and compatibility.
2. Motion to approve the agenda for November TG13 hybrid meeting in doc. 15-22-0590-01.
	* Moved by: Tuncer Baykas
	* Seconded by: Kai Lennert Bober
	* Approved by unanimous consent
3. TG Motion to reconfirm CRG

*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\_D10 with the following membership: Volker Jungnickel as Chair, 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 by: Kai Lennert Bober
	+ Seconded by: Tuncer Baykas
	+ Approved by unanimous consent
1. The Group prepared the WG Motion to reconfirm CRG

*Move that 802.15 WG approves the formation of a Comment Resolution Group (CRG) for the Standards Association balloting of the P802.15.13\_D10 with the following membership: Volker Jungnickel as Chair, 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.*

1. CRG teleconference dates are discussed. The telco dates should be announced at least 10 days before the telco meeting.
* TG13 CRG Telco dates
	+ 28 Nov. 2022, 11:00-12.30 CET (5:00-6:30 ET, 18:00-19:30 KT)
	+ 5 Dec. 2022, 11:00-12.30 CET (5:00-6:30 ET, 18:00-19:30 KT)
	+ 12 Dec. 2022, 11:00-12.30 CET (5:00-6:30 ET, 18:00-19:30 KT)
	+ 19 Dec. 2022, 11:00-12.30 CET (5:00-6:30 ET, 18:00-19:30 KT)
	+ 9 Jan 2023, 11:00-12.30 CET (5:00-6:30 ET, 18:00-19:30 KT)
	+ Meetings to be cancelled if not needed
1. Kai Lennert Bober (Fraunhofer HHI), TG13 Technical Editor, took over the host position for the discussion on SA ballot 5th recirculation comment resolution and the review of D9.0 draft.
2. Technical Editor opened the document, 15-22/0628r0 for the 5th SA ballot recirculation comment resolution, and then the Group started to resolve the comments.
3. 7 comments shown below were resolved and their resolutions were fixed.
* R5-17 : Accepted and see the doc. 15-22-0628/r1 for details.
* R5-16 : Rejected and see the doc. 15-22-0628/r1 for details.
* R5-15 : Revised and see the doc. 15-22-0628/r1 for details.
* R5-14 : Revised and see the doc. 15-22-0628/r1 for details.
* R5-13 : Revised and see the doc. 15-22-0628/r1 for details.
* R5-9 : Revised and see the doc. 15-22-0628/r1 for details.
* R5-1 : Rejected and see the doc. 15-22-0628/r1 for details.
1. The Group prepared Midweek Plenary Report.
* SA ballot
* 5th recirculation finished on Monday
* 17 comments received, 1 NO vote persisted with 1 MBS
* 1 meeting so far resolving those comments
* TG13 is preparing for final recirculation
* Hope to get onto RevCom Agenda in January
* Prepare EC package
* WG Motion to create D10 and start recirculation
* WG CRG Motion
* WG Motion for Conditional Approval to goto RevCom
* 2 slots for January
1. The Group recessed.

**Wednesday, 16th Nov. 2022, 16:00 (Bangkok) PM#2 Session (9th FL Apt. #8, Virtual Rm. #4)**

Attendance in-person :

* Kai Lennert Bober (Fraunhofer HHI)
* Volker Jungnickel (Fraunhofer HHI)
* Sang-Kyu Lim (ETRI)
* Tero Kivinen (Self)

Attendance remotely by Webex :

* Chong Han (pureLiFi)
1. Volker and Sang-Kyu Lim supported the mixed-mode hybrid meeting by connecting the audio and video cables for the WebEx sharing with Volker’s laptop-PC. Chong Han remotely joined the meeting by WebEx. Then before starting the meeting, Tero Kivinen checked whether the audio and display operation for mixed-mode is working correctly or not.
2. The IEEE 802.15.13 meeting was called to order by the Chair, Volker Jungnickel (Fraunhofer HHI). Sang-Kyu Lim (ETRI) recorded the minutes.

1. The Chair reviewed the IEEE-SA patent policy, logistics, and reminders, including meeting guidelines and attendance recording procedures.
	* No essential patents are claimed.
	* It is reminded all to record their attendance through the IMAT system.
	* Registration fee should be paid.
	* Deadbeat consequences in default of paying registration fee for a prior meeting
	* TG13 officers and operating rules
2. The Chair brought the agenda document (15-22/0590r1) and he updated the agenda document while introducing the overall agenda for the meeting. The Chair will upload the updated agenda document 15-22/0590r2 to the document server.
3. The Group had a short discussion again about LB PHY issue with Chong Han joined through Webex and they exchanged their own opinion on this issue.
4. The Chair, Volker Jungnickel (Fraunhofer HHI), requested that someone could present TG13 activities this week in the Closing Plenary tomorrow because he will not be in the Closing Plenary for his flight. Lennert will do so.
5. Kai Lennert Bober and Volker Jungnickel talked about the ITU-T frame type issue which is related to coexistence and compatibility.
6. Kai Lennert Bober (Fraunhofer HHI), TG13 Technical Editor, took over the host position for the discussion on EC package issue and SA ballot 5th recirculation comment resolution.
7. Technical Editor opened the document, 15-22/0648r0, which is not uploaded yet. The document is for the P802.15.13 Report to EC on Unconditional Approval to go to RevCom. So, the Group had some discussion to fill the tables in the doc. 15-22/0648r0 looking at the tables. Technical Editor uploaded the document, 15-22/0648r0, to the mentor after the Group completed the draft document.
8. Technical Editor opened the document, 15-22/0628r1 for the 5th SA ballot recirculation comment resolution, and then the Group continued to resolve the comments.
9. 10 comments shown below were resolved and their resolutions were fixed.
* R5-12 : Revised and see the doc. 15-22-0628/r2 for details.
* R5-11 : Rejected and see the doc. 15-22-0628/r2 for details.
* R5-10 : Rejected and see the doc. 15-22-0628/r2 for details.
* R5-8 : Rejected and see the doc. 15-22-0628/r2 for details.
* R5-7 : Accepted and see the doc. 15-22-0628/r2 for details.
* R5-6 : Accepted and see the doc. 15-22-0628/r2 for details.
* R5-5 : Accepted and see the doc. 15-22-0628/r2 for details.
* R5-4 : Accepted and see the doc. 15-22-0628/r2 for details.
* R5-3 : Accepted and see the doc. 15-22-0628/r2 for details.
* R5-2 : Accepted and see the doc. 15-22-0628/r2 for details.
1. TG13 Motion to approve comment resolution

*Move to accept comment resolutions in doc. 15-22-0628/r2 including the additional comments, and authorize the Technical Editor to include them in TG13 D10.0.*

* + Moved by: Sang-Kyu Lim
	+ Seconded by: Kai Lennert Bober
	+ Approved by unanimous consent
1. TG13 Motion to start recirculation

*Move to request that 802.15 WG start a Standards Association Recirculation Ballot of document P802.15.13-D10 (as edited in accordance with the instructions in document 15-22/0628r2) pending the completion and inclusion of the edits in the draft.*

* + Moved by: Sang-Kyu Lim
	+ Seconded by: Kai Lennert Bober
	+ Approved by unanimous consent
1. TG13 Motion to submit D10 to RevCom

*Move to request that 802.15 WG reviews and approves the CSD [15-17-0075-02-0000] and requests conditional approval from the EC to submit [P802.15.13]-D10 to RevCom.*

* + Moved by: Kai Lennert Bober
	+ Seconded by: Tero Kivinen
	+ Approved by unanimous consent
1. The Group reviewed the PAR and CSD documents with the latest version.
2. The Group decided to cancel the meeting for AM1 session on Thursday, 17th Nov. because the meeting is overlapped with TGbb meeting and the business for TG13 is almost done.
3. The Group recessed.

**Thursday, 17th Nov. 2022, 10:30 (Bangkok) AM#2 Session (9th FL Apt. #8, Virtual Rm. #4)**

Attendance in-person :

* Kai Lennert Bober (Fraunhofer HHI)
* Volker Jungnickel (Fraunhofer HHI)
* Sang-Kyu Lim (ETRI)
* Tuncer Baykas (Ofinno)
* Harry Bims (Bims Laboratories, Inc.)
* Clint Powell (Meta)
* Jodi Haasz (IEEE SA)

Attendance remotely by Webex :

* Chong Han (pureLiFi)
1. Volker and Sang-Kyu Lim supported the mixed-mode hybrid meeting by connecting the audio and video cables for the WebEx sharing with Volker’s laptop-PC. Chong Han remotely joined the meeting by WebEx. Then before starting the meeting, Tero Kivinen checked whether the audio and display operation for mixed-mode is working correctly or not.
2. The IEEE 802.15.13 meeting was called to order by the Chair, Volker Jungnickel (Fraunhofer HHI). Sang-Kyu Lim (ETRI) recorded the minutes.

1. The Chair reviewed the IEEE-SA patent policy, logistics, and reminders, including meeting guidelines and attendance recording procedures.
	* No essential patents are claimed.
	* It is reminded all to record their attendance through the IMAT system.
	* Registration fee should be paid.
	* Deadbeat consequences in default of paying registration fee for a prior meeting
	* TG13 officers and operating rules
2. The Chair brought the agenda document (15-22/0590r2) and he updated the agenda document while introducing the overall agenda for the meeting. The Chair will upload the updated agenda document 15-22/0590r3 to the document server.
3. Kai Lennert Bober (Fraunhofer HHI), TG13 Technical Editor, took over the host position for the discussion on EC package issue.
4. Kai Lennert Bober (Fraunhofer HHI), TG13 Technical Editor, opened the document, 15-22-0648/r0 to finalize the discussion on the EC package. The SC Maintenance Template Document for EC to RevCom., 15-21-0624/r0, and the Operations Manual Document, 15-10-0235/r31, were referenced for this EC package discussion.
5. The Group discussed and complete the report document, 15-22-0648/r1 for the EC package with the Working Group Chair, Clint Powell, while carefully reviewing the documents (15-22-0628/r2, 15-22-0641/r0, and 15-22-0429/r2) related to this EC package preparation.
6. The Group changed the dispositions for R5-1 and R5-7 comments in doc. 15-22-0628/r2, which was completed yesterday, while reviewing the comment resolution document, 15-22-0628/r2. So, the comment resolution document was updated to the doc. 15-22-0628/r3 and it was uploaded to the mentor again. The details on the changes are given in the doc. 15-22-0628/r2 and 15-22-0628/r3. Therefore, the new motions to approve comment resolution and start recirculation were needed.
7. TG13 Motion to approve comment resolution

*Move to accept comment resolutions in doc. 15-22-0628/r3 including the additional comments, and authorize the Technical Editor to include them in TG13 D10.0.*

* + Moved by: Sang-Kyu Lim
	+ Seconded by: Kai Lennert Bober
	+ Approved by unanimous consent
1. TG13 Motion to start recirculation

*Move to request that 802.15 WG start a Standards Association Recirculation Ballot of document P802.15.13-D10 (as edited in accordance with the instructions in document 15-22/0628r3) pending the completion and inclusion of the edits in the draft.*

* + Moved by: Sang-Kyu Lim
	+ Seconded by: Kai Lennert Bober
	+ Approved by unanimous consent
1. The Group prepared the WG15 Motion to start recirculation

*Move that 802.15 WG starts a Standards Association Recirculation Ballot of document P802.15.13-D10 (as edited in accordance with the instructions in document 15-22/0628r3) pending the completion and inclusion of the edits in the draft.*

1. The Group prepared the WG15 Motion to submit D10 to RevCom

*Motion: that 802.15 WG has reviewed and affirms the CSD https://mentor.ieee.org/802-ec/dcn/21/ec-21-0199-00-ACSD-p802-15-13.pdf and requests conditional approval from the LMSC to submit P802.15.13-D10 (or current revision) to RevCom.*

1. TG13 Motion to approve September meeting minutes

*Motion to approve the September meeting minutes of TG13 in doc. 15-22/0655r0.*

* + Moved by: Sang-Kyu Lim
	+ Seconded by: Kai Lennert Bober
	+ Approved by unanimous consent
1. Plan for finalization of TG13 Spec. 🡪 D10 goes to recirculation out of November
	* Prepare D10 until 30 November
	* Aim to get at RevCom agenda for January
	* Two meeting slots for January
	* Discuss final presentation of 802.15.13 in IEEE 802
2. The Chair, Volker Jungnickel (Fraunhofer HHI), decided to make the closing report for TG13 in the Closing Plenary this evening because he changed his flight schedule.
3. Motion to adjourn.
	* Approved with unanimous consent
4. The meeting adjourned.

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