
**IEEE P802.15
Wireless Specialty Networks**

IEEE 802.15.7a

TG7a May 2023 Wireless Interim Meeting Minutes

Date: 2023-05-18

Author:

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Abstract

This document contains the TG7a Optical Camera Communications meeting minutes during May 2023 Wireless Interim Meeting.

Monday, 15th May 2023, 10:30 (Orlando) AM#2 (Edelweise-Mezzanine, Virtual Rm. #2)

Attendance in-person :

- Sang-Kyu Lim (ETRI)
- Tero Kevinin (Self)

Attendance remotely by Webex :

- Yeong Min Jang (Kookmin University)
- Huy Nguyen (Kookmin University)
- Herfandi (Kookmin University)
- Ida Bagus Krishna Yoga Utama (Kookmin University)
- Jarek Qorvo
- Ones Sangjerico

1. The Vice-Chair, Sang-Kyu Lim (ETRI) and Tero Kevinin supported the mixed-mode hybrid meeting by connecting the audio and video cables for the WebEx and testing its audio quality. Then, Sang-Kyu Lim shared his screen on his laptop-PC. However, at the beginning stage, there were some problems in audio connection due to the host key and the virtual room number issues. So, the virtual room number was changed from #3 to #2 by Tero's instruction. After the successful video and audio connection for the WebEx, Huy Nguyen and the Chair, Yeong Min Jang (Kookmin University), took over the host position from Sang-Kyu Lim.
2. The IEEE 802.15.7a meeting was called to order by the Chair, Yeong Min Jang (Kookmin University). Sang-Kyu Lim (ETRI) recorded the minutes.
3. The Chair reviewed the IEEE-SA patent policy, copyright 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
 - TG7a officers and operating rules
4. The Chair brought the agenda document (15-23/0255r0) showing TG7a schedule for May Interim meeting and he updated the agenda items while introducing the overall agenda for the meeting. The Chair will upload the updated agenda document 15-23/0255r1 to the document server.
 - Agenda in doc. 15-23/0255r1
 - 4 slots for TG7a this week
 - MON May 15, AM#2 10:30-12:30 a.m.
 - Meeting Objectives and Agenda Approval (255-00)
 - Approval of TG7a March 2023 Plenary Meeting Minutes (224-00)
 - Comment Resolution for 802.15 Letter Ballot 1st Recirculation (114-05)
 - Discussion of TG and WG Motion for the start of the 2nd Recirculation and the CRG formation

- Any of Business
 - TUE May 16, AM#1 08:00-10:00 a.m.
 - Meeting Objectives and Agenda Approval (255-01)
 - Plan for July meeting
 - Updating webpage
 - Discuss milestone
 - Any of Business
 - WED May 17, AM#1 09:00-10:00 a.m.
 - Meeting Objectives and Agenda Approval
 - Any of Business
 - THUR May 18, AM#1 08:00-10:00 a.m.
 - Meeting Objectives and Agenda Approval
 - Any of Business and Adjourn
5. TG7a Motion to approve the agenda for May 2023 TG7a hybrid meeting:
Motion to approve the agenda for May 2023 hybrid meeting in doc. 15-23/0255r1
- Moved by: Young Min Jang
 - Seconded by: Sang-Kyu Lim
 - Approved by unanimous consent
6. The Group reviewed and discussed March 2023 Plenary TG7a meeting minutes (doc. 15-23-0224r0).
7. TG7a Motion to approve March 2023 Plenary TG7a meeting minutes:
Motion to approve March 2023 Plenary Meeting Minutes of TG7a in IEEE P802.15-23-224-00-007a
- Moved by: Yeong Min Jang
 - Seconded by: Sang-Kyu Lim
 - Approved by unanimous consent
8. The Group reviewed and discussed the document of comment resolutions for LB#195 (doc. 15-23-0114r4). At this time, Sang-Kyu Lim (ETRI) said to the Technical Editor that the comment resolution document shown on the WebEx screen should be synchronized with the document uploaded to the Mentor. So, the Technical Editor uploaded the revised comment resolution document (doc. 15-23-0114r5) to the Mentor again. And then, the Group completed the review of the comment resolution document (doc. 15-23-0114r5).
9. The Group discussed the issue on when WG motions for the D4 draft, the 2nd recirculation start, and the CRG formation are accomplished. Tero Kevinin said the WG usually has WG motions through the Direct Vote system in the Closing Plenary meeting on Thursday. So, the Group decided to have the WG motions for the D4 draft, the 2nd recirculation start, and the CRG formation.

10. The Group discussed the sentences for TG and WG motions on the D4 draft approval, the 2nd recirculation start, and the CRG formation. The sentences were instructed by the WG15 operation manual document (doc. IEEE 802.15-10-0235-32).
11. The Group recessed.

Tuesday, 16th May 2023, 08:00 (Orlando) AM#1 (Iris-Mezzanine, Virtual Rm. #3)

Attendance in-person :

- Sang-Kyu Lim (ETRI)
- Tero Kevinin (Self)
- Thomas Almholt (Texas Instruments)

Attendance remotely by Webex :

- Yeong Min Jang (Kookmin University)
- Huy Nguyen (Kookmin University)
- Herfandi (Kookmin University)
- Ida Bagus Krishna Yoga Utama (Kookmin University)

12. The Vice-Chair, Sang-Kyu Lim (ETRI) and Tero Kevinin supported the mixed-mode hybrid meeting by connecting the audio and video cables for the WebEx and testing its audio quality. Then, Sang-Kyu Lim shared his screen on his laptop-PC. However, at the beginning stage, there was a problem in screen sharing due to the host key issue. So, the host key number has been changed to 364337 because Tero said the WG Chair, Clint, had sent the new host key number for virtual room #3 by e-mail. After the successful video and audio connection for the WebEx, Huy Nguyen and the Chair, Yeong Min Jang (Kookmin University), took over the host position from Sang-Kyu Lim.
13. The IEEE 802.15.7a meeting was called to order by the Chair, Yeong Min Jang (Kookmin University). Sang-Kyu Lim (ETRI) recorded the minutes.
14. The Chair reviewed the IEEE-SA patent policy, copyright 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
 - TG7a officers and operating rules
15. The Chair brought the agenda document (15-23/0255r1) showing TG7a schedule for May Interim meeting and he updated the agenda items while introducing the overall agenda for the meeting. The Chair will upload the updated agenda document 15-23/0255r2 to the document server.
 - Agenda in doc. 15-23/0255r2
 - 4 slots for TG7a this week

- MON May 15, AM#2 10:30-12:30 a.m.
 - Meeting Objectives and Agenda Approval (255-00)
 - Approval of TG7a March 2023 Plenary Meeting Minutes (224-00)
 - Comment Resolution for 802.15 Letter Ballot 1st Recirculation (114-05)
 - Discussion on TG and WG Motion for the start of the 2nd Recirculation and the CRG formation
 - Any of Business
- TUE May 16, AM#1 08:00-10:00 a.m.
 - Meeting Objectives and Agenda Approval (255-02)
 - Discussion on the document package for the start of the 2nd Recirculation
 - Any of Business
- WED May 17, AM#1 09:00-10:00 a.m.
 - Meeting Objectives and Agenda Approval (255-02)
 - Discussion on TG and WG Motion for the start of the 2nd Recirculation and the CRG formation
 - Plan for July meeting
 - Updating webpage
 - Discuss milestone
 - Any of Business
- THUR May 18, AM#1 08:00-10:00 a.m.
 - Meeting Objectives and Agenda Approval (255-02)
 - Any of Business and Adjourn

16. The Chair has sent the document package for the 2nd Recirculation to Clint, Tero, and James Gilb yesterday. However, Tero said there is some misunderstanding on the red-line version showing what has been changed between D3 draft and D4 draft. So, the Technical Editor created the red-line version for D4 draft again by Tero's instruction so that what has been changed between D3 draft and D4 draft can be shown.

17. The Group reviewed the new red-line version for D4 draft line by line, focusing mainly on the red-line parts. Tero requested that the Chair send the document package with the same file names including the new red-line version again.

18. The Group decided to discuss TG and WG motions on the D4 draft approval, the 2nd recirculation start, and the CRG formation next session again.

19. The Group recessed.

Wednesday, 17th May 2023, 09:00 (Orlando) AM#1 (Iris-Mezzanine, Virtual Rm. #3)

Attendance in-person :

- Sang-Kyu Lim (ETRI)
- Tero Kevinin (Self)
- Jonathan Segev (Intel)
- Clint Powell (WG15 Chair)

Attendance remotely by Webex :

- Yeong Min Jang (Kookmin University)
- Huy Nguyen (Kookmin University)
- Ida Bagus Krishna Yoga Utama (Kookmin University)

20. The Vice-Chair, Sang-Kyu Lim (ETRI) supported the mixed-mode hybrid meeting by connecting the audio and video cables for the WebEx and testing its audio quality. Then, Sang-Kyu Lim shared his screen on his laptop-PC. This WebEx meeting was hosted by the Chair.

21. The IEEE 802.15.7a meeting was called to order by the Chair, Yeong Min Jang (Kookmin University). Sang-Kyu Lim (ETRI) recorded the minutes.

22. The Chair reviewed the IEEE-SA patent policy, copyright 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
- TG7a officers and operating rules

23. The Chair brought the agenda document (15-23/0255r2) showing TG7a schedule for May Interim meeting and he updated the agenda items while introducing the overall agenda for the meeting. The Chair will upload the updated agenda document 15-23/0255r3 to the document server.

- Agenda in doc. 15-23/0255r3
- 4 slots for TG7a this week
 - MON May 15, AM#2 10:30-12:30 a.m.
 - Meeting Objectives and Agenda Approval (255-00)
 - Approval of TG7a March 2023 Plenary Meeting Minutes (224-00)
 - Comment Resolution for 802.15 Letter Ballot 1st Recirculation (114-05)
 - Discussion on TG and WG Motion for the start of the 2nd Recirculation and the CRG formation
 - Any of Business
 - TUE May 16, AM#1 08:00-10:00 a.m.
 - Meeting Objectives and Agenda Approval (255-02)

- Discussion on the document package for the start of the 2nd Recirculation
- Any of Business

- WED May 17, AM#1 09:00-10:00 a.m.
 - Meeting Objectives and Agenda Approval (255-03)
 - Discussion on TG and WG Motion for the start of the 2nd Recirculation and the CRG formation
 - Plan for July meeting
 - Updating webpage
 - Discussion the future plan and the schedule for TG7a
 - Any of Business

- THUR May 18, AM#1 08:00-10:00 a.m.
 - Meeting Objectives and Agenda Approval (255-03)
 - Any of Business and Adjourn

24. The Chair has sent again the document package including the new red-line D4 draft and its clean version for the 2nd Recirculation to Clint, Tero, and James Gilb yesterday. There was no comment for this issue related to the D4 draft approval and the 2nd recirculation start in the AC meeting this morning. So, the Group moved on to the TG and WG motions for this.

25. The Group reviewed and discussed the document of comment resolutions for LB#195 (doc. 15-23-0114r5).

26. TG7a Motion to approve the comment resolutions for LB#195:

Move that the TG7a approve the comment resolutions for LB195 as described in document IEEE P802.15-23-0114-05-007a.

- Moved by: Yeong Min Jang
- Seconded by: Sang-Kyu Lim
- Approved by unanimous consent

27. TG7a Motion to start the 2nd recirculation:

Move that TG7a formally request that the 802.15 WG start recirculation WG Letter Ballot requesting approval of CA document [15-22-0292-r3] and document P802-15-7a_D4 and to forward document P802-15-7a_D4, to Standards Association ballot

- Moved by: Yeong Min Jang
- Seconded by: Sang-Kyu Lim
- Approved by unanimous consent

28. TG7a Motion to approve the formation of CRG for the WG recirculation ballot:

Move that 802.15.7a TG approve the formation of a Comment Resolution Group (CRG) for the WG balloting of the P802.15.7a_D4 with the following membership: Yeong Min Jang(Chair), Sang-Kyu Lim, Ryuji Kohno, and Seongsoon Joo. The 802.15.7a 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: Yeong Min Jang
- Seconded by: Sang-Kyu Lim
- Approved by unanimous consent

29. The Group prepared the WG Motion to start recirculation as follows:

Move that 802.15 WG start a WG recirculation requesting approval of CA document [15-22-0292-r3] and document P802.15.7a_D4 and to forward document P802.15.7a_D4, to Standards Association ballot.

30. The Group prepared the WG Motion to confirm CRG formation for a WG Letter Ballot:

Move that 802.15 WG approve the formation of a Comment Resolution Group (CRG) for the WG balloting of the P802.15.7a_D4 with the following membership: Yeong Min Jang(Chair), Sang-Kyu Lim, Ryuji Kohno, and Seongsoon Joo. The 802.15.7a 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.

31. The plan for July 2023 Plenary Meeting was discussed.

- Plan for July Meeting
 - 3 Time Slots (AM#1 on Tue., Wed., and Thur.)
 - Complete Comment Resolution of WG LB 2nd Recirculation
 - Prepare the D5 draft for the 3rd Recirculation

32. The Group discussed the webpage update issue for TG7a as well.

33. Finally, the Group discussed and updated the future plan and the schedule for TG7a. In particular, Tero said that it would be better if the updated future plan and the schedule are shown in TG7a closing report of the Closing Plenary Session tomorrow because the WG Chair, officers, and other members are interested in the future plan and its schedule. So, the Group decided to put the future plan and its schedule into the closing report.

34. Tero introduced the doc. 15-23-0083-03-0mag-project-task-list to TG7a members in order to guide who need to do what and how at each stage.

35. The Group decided to discuss the contents of the closing report in the next session on Thursday AM#1.

36. The Group recessed.

Thursday, 18th May 2023, 08:00 (Orlando) AM#1 (Iris-Mezzanine, Virtual Rm. #3)

Attendance in-person :

- Sang-Kyu Lim (ETRI)

Attendance remotely by Webex :

- Yeong Min Jang (Kookmin University)
- Huy Nguyen (Kookmin University)
- Ida Bagus Krishna Yoga Utama (Kookmin University)
- Herfandi (Kookmin University)
- Le Duy Tuan Anh

37. The Vice-Chair, Sang-Kyu Lim (ETRI) supported the mixed-mode hybrid meeting by connecting the audio and video cables for the WebEx and testing its audio quality. Then, Sang-Kyu Lim shared his screen on his laptop-PC. This WebEx meeting was hosted by the Chair.

38. The IEEE 802.15.7a meeting was called to order by the Chair, Yeong Min Jang (Kookmin University). Sang-Kyu Lim (ETRI) recorded the minutes.

39. The Chair reviewed the IEEE-SA patent policy, copyright policy, logistics, and reminders, including meeting guidelines and attendance recording procedures.

- No essential patents are claimed.
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- TG7a officers and operating rules

40. The Chair brought the agenda document (15-23/0255r3) showing TG7a schedule for May Interim meeting and he updated the agenda items while introducing the overall agenda for the meeting. The Chair uploaded the updated agenda document 15-23/0255r4 to the document server.

- Agenda in doc. 15-23/0255r4
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 - Comment Resolution for 802.15 Letter Ballot 1st Recirculation (114-05)
 - Discussion on TG and WG Motion for the start of the 2nd Recirculation and the CRG formation
 - Any of Business
 - TUE May 16, AM#1 08:00-10:00 a.m.
 - Meeting Objectives and Agenda Approval (255-02)
 - Discussion on the document package for the start of the 2nd Recirculation

- Any of Business
- WED May 17, AM#1 09:00-10:00 a.m.
 - Meeting Objectives and Agenda Approval (255-03)
 - Discussion on TG and WG Motion for the start of the 2nd Recirculation and the CRG formation
 - Plan for July meeting
 - Updating webpage
 - Discussion on the future plan and the schedule for TG7a
 - Any of Business
- THUR May 18, AM#1 08:00-10:00 a.m.
 - Meeting Objectives and Agenda Approval (255-04)
 - Discussion on the future plan and the schedule for TG7a
 - Discussion on the teleconference schedule
 - Discussion on the Closing Report
 - Any of Business and Adjourn

41. The Group discussed and completed the future plan and the schedule for TG7a. Please see the doc. 15-23-0287r1.

42. In order to resolve the 2nd recirculation comments, prepare the D5 draft, the CRG teleconference schedule was discussed. The telco dates should be announced at least 10 days before the telco meeting.

- 3 times between June and July 2023
 - June 07 Wednesday 04:00 EST (17:00 KST)
 - June 21 Wednesday 04:00 EST (17:00 KST)
 - July 05 Wednesday 04:00 EST (17:00 KST)

43. The Group discussed and completed the draft document for the Closing Report of TG7a this week. Please see the doc. 15-23-0290r0.

44. Motion to adjourn.

- Approved with unanimous consent

45. The meeting adjourned.

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