IEEE P802.15
Wireless Specialty Networks

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| IEEE 802.15.7a TG7a May 2024 Wireless Interim Meeting Minutes |
| Date: 2024-05-20 |
| Author: |
| Name | Affiliation | Address | Phone | Email |
| Sang-Kyu Lim | ETRI |  |  | sklim@etri.re.kr |
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Abstract

# This document contains the TG7a Optical Camera Communications meeting minutes during May 2024 Wireless Interim Meeting.

**Tuesday, 14th May 2024, 08:00 (Warsaw) AM#1 (Syrena, Virtual Rm. #3)**

Attendance in-person :

* Sangsung Choi (A2UICT)
* Sang-Kyu Lim (ETRI)
* James Gilb (General Atomics Aeronautical Systems, Inc.)
* Christy Bahn (IEEE SA)

Attendance remotely by Webex :

* Yeong Min Jang (Kookmin University)
* Huy Nguyen (Kookmin University)
* Herfandi
* Ida Bagus Krishna Yoga Utame
* Khairi
* Rangga
* Sven Zeisberg. Zigpos
1. The Vice-Chair, Sangsung Choi (A2UICT), supported the mixed-mode hybrid meeting by connecting the audio and video cables for the WebEx and testing its audio quality. At that time, there is a problem on the audio testing, but it has been resolved after the local side disconnected their audio connection. Then, Sangsung Choi shared his screen on his laptop-PC.
2. The IEEE 802.15.7a meeting was called to order by the Chair, Yeong Min Jang (Kookmin University). The Vice-Chair, Sang-Kyu Lim (ETRI), recorded the minutes.

1. The Chair read 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
2. The Chair brought the agenda document (15-24/0258r1) showing TG7a schedule for May 2024 Wireless interim meeting and he updated the agenda items while introducing the overall agenda for the meeting. The Chair will upload the updated agenda document 15-24/0258r2 to the document server after this session.
* Agenda in doc. 15-24/0258r1
* 3 slots for TG7a this week
* TUE May 14, AM#1 08:00-10:00 a.m.
* Meeting Objectives and Agenda Approval (258-01)
* Review and approval for TG7a January 2024 Wireless Interim Meeting Minutes (172-03)
* Review and approval for TG7a CRG Telco minutes from January to February 2024 (173-01)
* Review and approval for TG7a March 2024 Plenary Meeting Minutes (194-00)
* Review and approval for TG7a CRG Telco minutes from March to May 2024 (242-00)
* Discussion issues on the initial SA ballot comment resolution for CIDs I-93 to I-114 and IEEE P802.15.7a D7 redline draft (241-00)
* Comment Resolution for the initial SA Ballot comment resolution (072-13)
* Discussion of TG and WG Motion
* Any of Business and Recess
* WED May 15, AM#1 09:00-10:00 a.m.
* Meeting Objectives and Agenda Approval (377-02)
* Review the initial SA Ballot comment resolution (072-13) and the updated draft
* Discussion of TG and WG Motion
* Any of Business and Recess
* THUR May 16, AM#1 08:00-10:00 a.m.
* Meeting Objectives and Agenda Approval (377-03)
* Plan for Teleconference Schedule
* Plan for July Meeting
* Any of Business and Adjourn
1. TG7a Motion to approve the agenda for May 2024 TG7a hybrid meeting:

*Motion to approve the agenda for May 2024 hybrid meeting as described in doc. 15-24/0258r1*

* + Moved by: Yeong Min Jang (Kookmin University)
	+ Seconded by: Sang-Kyu Lim (ETRI)
	+ Approved by unanimous consent
1. The Vice-Chair, Sang-Kyu Lim (ETRI), said, “the January meeting minutes, the March meeting minutes, the teleconference minutes for February, and the teleconference minutes between March and May have already been uploaded to the document server before this May meeting. In addition, what we have uploaded them was announced by e-mail reflector, and we had enough time to review them. So, we can go directly to the approvals for these meeting minutes and teleconference minutes.”. There was no objection.
2. TG7a Motion to approve TG7a January 2024 Wireless Interim Meeting Minutes:

*Motion to approve January 2024 Wireless Interim Meeting Minutes of TG7a as described in IEEE P802.15-24-172-03-007a*

* + Moved by: James Gilb (General Atomics Aeronautical Systems, Inc.)
	+ Seconded by: Sang-Kyu Lim (ETRI)
	+ Approved by unanimous consent
1. TG7a Motion to approve the CRG Teleconference minutes from January to February 2024:

*Motion to approve the CRG Teleconference minutes from January to February 2024 as described in IEEE P802.15-24-173-01-007a*

* + Moved by: James Gilb (General Atomics Aeronautical Systems, Inc.)
	+ Seconded by: Sang-Kyu Lim (ETRI)
	+ Approved by unanimous consent
1. TG7a Motion to approve TG7a March 2024 Plenary Meeting Minutes:

*Motion to approve March 2024 Plenary Meeting Minutes of TG7a as described in IEEE P802.15-24-194-00-007a*

* + Moved by: James Gilb (General Atomics Aeronautical Systems, Inc.)
	+ Seconded by: Sang-Kyu Lim (ETRI)
	+ Approved by unanimous consent
1. TG7a Motion to approve the CRG Teleconference minutes from March to May 2024:

*Motion to approve the CRG Teleconference minutes from March to May 2024 as described in IEEE P802.15-24-242-00-007a*

* + Moved by: James Gilb (General Atomics Aeronautical Systems, Inc.)
	+ Seconded by: Sang-Kyu Lim (ETRI)
	+ Approved by unanimous consent
1. The Group had three teleconferences between March to May before this face-to-face meeting in order to resolve the initial SA ballot comments. So far, the Group has fixed the resolutions for 92 comments, so we still have 24 unsolved comments and D7 draft update issues.
2. So, Sang-Kyu Lim (ETRI) made his presentation (doc. 15-24-0241-00-007a) to clearly complete the initial SA ballot comment resolution and the draft update issues while keeping the SA ballot comment resolution guideline. Sang-Kyu Lim (ETRI) addressed that the important thing in the comment resolution and the draft update is what the reviewers or readers can follow ‘what has been changed to what and why’, ‘what has been deleted why’, and ‘what has been added why’. In this respect, there are so many things making some conflicts between the comment resolution and the updated D7 redline draft. So, Sang-Kyu Lim (ETRI) suggested the solutions to resolve the conflicts between the comment resolution and the updated D7 redline draft. Consequently, the Group has accepted his solutions, and the details are shown in doc. 15-24-0241-00-007a.
3. Huy Nguyen (Kookmin University), TG7a Technical Editor, took over the host position for the discussion on the initial SA ballot comment resolution from the Chair.
4. The Technical Editor opened the comment resolution document (15-24-0072/r13), where all comments had been aggregated, to initiate the review and discussion of comment resolution details and the corresponding redline sections from the I-92 to the I-114, which is based on the doc. 15-24-0241-00-007a. The final results of the comment resolution for I-92 to I-114 comments are shown in doc. 15-24-0072/r14. The Group decided to upload the revised comment resolution document (15-24-0072/r14) to the mentor after this session.
5. Unfixed 22 comments shown below were resolved.
* CID-93 to CID-102 : Revised and see the doc. 15-24-0072/r14 for its resolution detail.
* CID-103 and CID-104 : Accepted
* CID-105 to CID-108 : Revised and see the doc. 15-24-0072/r14 for its resolution detail.
* CID-109 and CID-110 : Accepted
* CID-111 : Revised and see the doc. 15-24-0072/r14 for its resolution detail.
* CID-112 : Accepted
* CID-113 : Revised and see the doc. 15-24-0072/r14 for its resolution detail.
* CID-114 : Accepted
1. The Group decided to have the final review for the comment resolution document and the revised D7 draft tomorrow AM#1 session before the TG and WG motion request.
2. The Group had a brief discussion on the PAR extension issue and decided to discuss the issue again in the Mid-week CAC meeting with the WG Chair.
3. The Group recessed.

**Wednesday, 15th May 2024, 09:00 (Warsaw) AM#1 (Syrena, Virtual Rm. #3)**

Attendance in-person :

* Sangsung Choi (A2UICT)
* Sang-Kyu Lim (ETRI)
* Christy Bahn (IEEE SA)

Attendance remotely by Webex :

* Yeong Min Jang (Kookmin University)
* Huy Nguyen (Kookmin University)
1. The Vice-Chair, Sangsung Choi (A2UICT), supported the mixed-mode hybrid meeting by connecting the audio and video cables for the WebEx and testing its audio quality. Then, Sangsung Choi shared his screen on his laptop-PC.
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.

1. The Chair read 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
2. The Chair brought the agenda document (15-24/0258r2) showing TG7a schedule for May 2024 Wireless interim meeting and he briefly explained the agenda items while introducing the overall agenda for the meeting.
* Agenda in doc. 15-24/0258r2
* 3 slots for TG7a this week
* TUE May 14, AM#1 08:00-10:00 a.m.
* Meeting Objectives and Agenda Approval (258-01)
* Review and approval for TG7a January 2024 Wireless Interim Meeting Minutes (172-03)
* Review and approval for TG7a CRG Telco minutes from January to February 2024 (173-01)
* Review and approval for TG7a March 2024 Plenary Meeting Minutes (194-00)
* Review and approval for TG7a CRG Telco minutes from March to May 2024 (242-00)
* Discussion issues on the initial SA ballot comment resolution for CIDs I-93 to I-114 and IEEE P802.15.7a D7 redline draft (241-00)
* Comment Resolution for the initial SA Ballot comment resolution (072-13)
* Any of Business and Recess
* WED May 15, AM#1 09:00-10:00 a.m.
* Meeting Objectives and Agenda Approval (258-02)
* Comment Resolution for the initial SA Ballot comment resolution (072-14)
* Any of Business and Recess
* THUR May 16, AM#1 08:00-10:00 a.m.
* Meeting Objectives and Agenda Approval (258-02)
* Discussion of TG and WG Motion
* Plan for Teleconference Schedule
* Plan for July Meeting
* Any of Business and Adjourn
1. TG7a Motion to approve the agenda for May 2024 TG7a hybrid meeting:

*Motion to approve the agenda for May 2024 hybrid meeting as described in doc. 15-24/0258r2*

* + Moved by: Yeong Min Jang (Kookmin University)
	+ Seconded by: Sang-Kyu Lim (ETRI)
	+ Approved by unanimous consent
1. The Group decided to have the final review on the comment resolution document (15-24-0072/r14).
2. The Vice-Chair, Sang-Kyu Lim (ETRI), said, “There are some issues in the comment resolution document (15-24-0072/r14) that we need to discuss, and it will look better if we edit the disposition details on some comments.”
3. Huy Nguyen (Kookmin University), TG7a Technical Editor, took over the host position for the discussion on the initial SA ballot comment resolution from the Chair.
4. The Technical Editor opened the comment resolution document (15-24-0072/r14), where all comments had been aggregated, to review and discuss the disposition status and the comment resolution details. The updated comment resolution document is shown in doc. 15-24-0072/r15.
5. The Group decided to request the WG Chair and the Technical Editor to have a pre-review on the comment resolution document (15-24-0072/r15), D7 redline version, and D7 clean version.
6. The Group recessed.

**Thursday, 16th May 2024, 08:00 (Warsaw) AM#1 (Syrena, Virtual Rm. #3)**

Attendance in-person :

* Sangsung Choi (A2UICT)
* Sang-Kyu Lim (ETRI)
* Tero Kivinen (Self)
* Clint Powell (HID Global)

Attendance remotely by Webex :

* Yeong Min Jang (Kookmin University)
* Huy Nguyen (Kookmin University)
* Ida Bagus Krishna Yoga Utame
1. The Vice-Chair, Sangsung Choi (A2UICT), supported the mixed-mode hybrid meeting by connecting the audio and video cables for the WebEx and testing its audio quality. Then, Sangsung Choi shared his screen on his laptop-PC.
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.

1. The Chair read 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
2. The Chair brought the agenda document (15-24/0258r3) showing TG7a schedule for May 2024 Wireless interim meeting and he briefly explained the agenda items while introducing the overall agenda for the meeting.
* Agenda in doc. 15-24/0258r3
* 3 slots for TG7a this week
* TUE May 14, AM#1 08:00-10:00 a.m.
* Meeting Objectives and Agenda Approval (258-01)
* Review and approval for TG7a January 2024 Wireless Interim Meeting Minutes (172-03)
* Review and approval for TG7a CRG Telco minutes from January to February 2024 (173-01)
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* Comment Resolution for the initial SA Ballot comment resolution (072-13)
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* WED May 15, AM#1 09:00-10:00 a.m.
* Meeting Objectives and Agenda Approval (258-02)
* Comment Resolution for the initial SA Ballot comment resolution (072-14)
* Any of Business and Recess
* THUR May 16, AM#1 08:00-10:00 a.m.
* Meeting Objectives and Agenda Approval (258-03)
* Comment Resolution for the initial SA Ballot comment resolution (072-15)
* Discussion of TG and WG Motion
* Plan for Teleconference Schedule
* Plan for July Meeting
* Any of Business and Adjourn
1. TG7a Motion to approve the agenda for May 2024 TG7a hybrid meeting:

*Motion to approve the agenda for May 2024 hybrid meeting as described in doc. 15-24/0258r3*

* + Moved by: Yeong Min Jang (Kookmin University)
	+ Seconded by: Sang-Kyu Lim (ETRI)
	+ Approved by unanimous consent
1. Huy Nguyen (Kookmin University), TG7a Technical Editor, took over the host position for the discussion on the initial SA ballot comment resolution from the Chair. The Technical Editor opened the comment resolution document (15-24-0072/r15).
2. The Group decided to discuss first some issue related to comment resolution details on the comment IDs 323775 and 323776 which Benjamin Rolfe have made. The Vice-Chair, Sang-Kyu Lim (ETRI), suggested that it's reasonable to change the disposition status from "Rejected" to "Revised" and to put the sentence, "Delete L21 to L24 on page 11.", to Disposition detail because this part should disappear in D7 draft. The Group decided to accept his suggestion.
3. Thus, the comment resolution document has been revised to doc. 15-24-0072/r16, and it has been uploaded to the mentor.
4. Tero began to review the comment resolution document (15-24-0072/r15) and D7 redline draft, but he didn’t have enough time to review all of the changes.
5. So, the Group decided to do the conditional approvals for the SA Ballot 1st recirculation.
6. TG7a Motion to approve the comment resolutions for the initial SA Ballot:

*Move that the TG7a approve the comment resolutions for the initial SA ballot as described in document IEEE P802.15-24-0072-016-007a.*

* + Moved by: Sang-Kyu Lim
	+ Seconded by: Tero Kivinen
	+ Approved by unanimous consent
1. TG7a Motion to approve the formation of CRG for the SA recirculation ballot:

*Move that 802.15.7a TG approve the formation of a Comment Resolution Group (CRG) for the SA balloting of the P802.15.7a with the following membership: Yeong Min Jang(Chair), Sangsung Choi, 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: Sang-Kyu Lim
	+ Seconded by: Tero Kivinen
	+ Approved by unanimous consent
1. TG7a Motion to start the SA ballot 1st recirculation:

*Move that TG7a formally requests that 802.15 WG start a Standards Association Recirculation Ballot of CA document [15-22-0292-r3] and document P802-15-7a\_D7 (as edited in accordance with the instructions in document 15-24-0072-16-007a) pending the completion and inclusion of the edits in the draft.*

* + Moved by: Sang-Kyu Lim
	+ Seconded by: Tero Kivinen
	+ Approved by unanimous consent
1. The Group prepared the WG Motion to confirm CRG formation for the SA Ballot:

*Move that 802.15 WG approve the formation of a Comment Resolution Group (CRG) for the SA balloting of the P802.15.7a with the following membership: Yeong Min Jang (Chair), Sangsung Choi, 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.*

1. The Group prepared the WG Motion to start the SA recirculation ballot as follows:

*Move that 802.15 WG start a Standards Association Recirculation Ballot of CA document [15-22-0292-r3] and document P802.15.7a\_D7 (as edited in accordance with the instructions in document 15-24-0072-16-007a) pending the completion and inclusion of the edits in the draft.*

1. The Group discussed the future plan and the schedule for TG7a. Please see the doc. 15-24-0320r1.
2. In order to resolve the SA ballot 1st recirculation comments and to prepare the D8 draft, the CRG teleconference schedule was discussed. The telco dates should be announced at least 10 days before the telco meeting.
* 2 times between May and July 2024
	+ June 12 Wednesday 06:00 EST
	+ June 26 Wednesday 06:00 EST
1. The Group discussed the plan for July Meeting.
* 3 slots (AM#1 8:00 am on Tue., Wed., and Thur.)
	+ Complete the comment resolution for the SA ballot 1st recirculation
	+ Complete the D8 document for the SA ballot 2nd recirculation
1. The Group discussed the draft document for the Closing Report of TG7a this week. Please see the doc. 15-24-0320r1.
2. Motion to adjourn.
	* Approved with unanimous consent
3. The meeting adjourned.

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