**IEEE 802.15**

**Wireless Specialty Networks (WSN)**

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| Project | IEEE P802.15 Working Group for Wireless Specialty Networks (WSN) | |
| Title | **802.15 WG & CAC Minutes September 2024** | |
| Date Submitted | [24 September 2024] | |
| Source | [Joerg Robert]  [TU Ilmenau] | Email: [joerg.robert@ieee.org]  Voice: [+49 3677 69 4260] |
| Re: | [September 802.15 Session] | |
| Abstract | [IEEE 802.15 Working Group & CAC Minutes] | |
| Purpose | [Official minutes of the Working Group Opening/Mid-week/Closing/Joint and CAC Sessions] | |
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**152nd IEEE 802.15 WSN SESSION**

**Hilton Waikoloa Village; Waikoloa, Hawaii (all times in local)**

**September 08-13, 2024**

# 802.15 WG Opening

# Monday, 9th September 2024

**10:33AM** WG Chair, Clint Powell (PWC; LLC), called the meeting to order and opened the WG Agenda (Doc #[*15-24-0429-01*](https://mentor.ieee.org/802.15/dcn/24/15-24-0429-01-0000-sept-2024-802-15-agenda.xlsx))

## Announcements

Welcome to the 152nd session.

Do not forget to log in to IMAT to record your attendance. Do not log attendance if you do not attend.

Use the microphone when you speak, stating your name and affiliation.

You must be registered to participate in any of these session meetings. If you do not, you are classified as a “dead-beat”.

* Mixed mode meeting.
* Using Direct Vote Live (DVL) for closing Plenary.
* TG and SC chairs, get motions to the WG chairs as soon as possible and immediately after your TG closing meeting. Send to Phil Beecher and copy Clint and Ann.
* >= 75% Attendance = min 12 time slots (of 15)

Motions for the closing plenary should be send to Phil Beecher and Ann Krieger as soon as possible.

The social is on Wednesday. Do not forget your badges and the badge for your guest.

There is one SA ballot going on. It is open until 4th October.

WG Chair asked for new participants to speak up; one new attendee online

## Legal

WG Chair informed the group of and displayed the IEEE-SA patent policy presentation  
slides 0-5 ([*http://standards.ieee.org/board/pat/pat-slideset.ppt*](http://standards.ieee.org/board/pat/pat-slideset.ppt)).

* WG Chair asked the participants who wished to declare a Letter of Assurance (LoA) or to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for any of the ongoing activities within the 802.15 WG.
* No essential patent claims were brought forth.

WG Chair displayed and read the standard IEEE Anti-Trust statement and the standard IEEE Copyright Policy, including Code of Ethics.

TG/SG/SC must show them, but do not need to reread through them all.

The question for patent claims has to be done at every single meeting.

## WG Approvals

Motion to *approve the agenda* (doc #[*15-24-0429-02*](https://mentor.ieee.org/802.15/dcn/24/15-24-0429-02-0000-sept-2024-802-15-agenda.xlsx))

* Moved by: Ben Rolfe (BCA)
* Seconded by: Joerg Robert (TU Ilmenau)
* Discussion: none
* Approved by unanimous consent.

Motion to *approve the previous meeting minutes (*doc #[*15-24-0425-00*](https://mentor.ieee.org/802.15/dcn/24/15-24-0425-00-0000-802-15-wg-cac-joint-1-15-minutes-july-2024.docx)*)*

* Moved by: Ann T Krieger (U.S. DoD)
* Seconded by: Joerg Robert (TU Ilmenau)
* Discussion: none
* Approved by unanimous consent.

WG Chair presented the SASB dates, on a tab in the agenda (doc #[*15-24-0429-02*](https://mentor.ieee.org/802.15/dcn/24/15-24-0425-00-0000-802-15-wg-cac-joint-1-15-minutes-july-2024.docx))

* Updates are given in Doc #[*15-24-0429-02*](https://mentor.ieee.org/802.15/dcn/24/15-24-0425-00-0000-802-15-wg-cac-joint-1-15-minutes-july-2024.docx)

## General and Administrative

WG Chair presented the general meeting information:

* Voters: (voters: 122, nearly: 3, aspirant: 25)
* For questions regarding voting rights contact Ann Krieger

Treasurer’s report

* Ben Rolfe (BCA) tried to give the treasurer’s report
* Currently problems with the banking system
* Slight negative trend, potential increase of meeting fees in the future required
* C: We may not have to pay the full refund, as meetings could take place online
* Q: Are online attendees positive or negative for the financial budget
* A: Most likely positive

Chair reminds everybody to reply on letter ballots, otherwise voting rights may be lost

The May 802.15 CAC meeting minutes are included in the WG minutes   
*(this document) –* Everyone is welcome, but chairs are required.

The Wireless Chairs Steering Committee meeting minutes for September will be posted tiot the EC mentor soon.

Chair shows opening report (doc #[*15-24-0430-01*](https://mentor.ieee.org/802.15/dcn/24/15-24-0430-01-0000-sept-2024-802-15-opening-report.pptx))

* WG Chair shows 802.15 Org. Chart and Standards Pipeline, WG officers, WG operations, LMSC 802 Annual Review
* Graphical agenda is shown
* One individual expert during this meeting that will give a presentation during WNG
* Passing through general objectives

## Future Meetings and Polls

Future Meetings:

* E-Poll on preference for dinner during the in Spain will be circulated soon
* Next meeting will be held in Vancouver, Canada
* Registration open, meeting discount for people staying at the hotel
* Website to book the Kobe meeting in January 2025will open soon, different hotels available, no real conference hotel

Running Subgroup meeting:

* Every Subgroup mtg. requires a Chair, Vice-Chair, or other Subgroup Officer (in person or remote) to run each mtg. of the Subgroup.
* Every Subgroup mtg. requires a designated person in person to run the video and audio for the virtual component.
* All Subgroup Chairs must identify who will be Chairing (if not the Chair) and who will be running the video and audio portion of virtual component in person and send info to WG Chair and Vice Chairs no later than 30 days prior to the start of the mtg.

## 802.15 Status Reports (Goals/Objectives for the Week)

**TG 4ab (NG-UWB)**: Ben Rolfe (BCA)

* Focus will be on comment resolution
* Approx. ¼ of the 1400 comments resolved

**SC WNG**: Ben Rolfe (BCA)

* Two presentations planned

**IG Access:** Ben Rolfe (BCA)

* No agenda time requests received yet

**Joint 802.11/802.15 Mtg**. Ben Rolfe (BCA)

* Meeting times have changed
* Slots may be canceled

**TG 4ac (Privacy Amendment):** Tero Kivinen (Wi-SUN)

* Two slots this week
* Draft should be ready after the meeting

**SC IETF:** Tero Kivinen (Wi-SUN)

* No updates

**TG 4ae Ascon Cryptographic Algorithms Amendment:** Tero Kivinen (Wi-SUN)

* One session
* Call for proposals and call for participation
* Chair proposes presentation to WNG

**TG 9a EDHOC KMP Amendment:** Tero Kivinen (Wi-SUN)

* One session
* Call for proposals and call for participation

**WG15 TG Editors:** Tero Kivinen (Wi-SUN)

* Each technical editor shall attend the session
* TG chairs should attend the session, TG chair shall attend if technical editor is not able to attend

**TG 4ad**: Phil Beecher (Wi-SUN)

* Four meetings scheduled
* Work on Technical Requirements Document and Call for Propsals

**Joint 802.1/802.15 Mtg**. Phil Beecher (Wi-SUN)

* Does not meet this week

**SC (Maintenance& Rules)**: Phil Beecher (Wi-SUN)

* Discussion on comments received from JTC1

**TG 4me (Revision to 2020)**: Phil Beecher (Wi-SUN)

* SA ballot process completed
* One meeting to form CRG

**TG 6ma (BAN/VAN)**: Ryuji Kohno (YNU/YRP-IAI)

* Four sessions for the week
* Start of Letter Ballot planned for the end of the week

**TG 7a (OCC)**: Yeong Min Jang (Kookmin University)

* Second SA recirculation completed; no comments received
* One meeting planned
* Motion planned to send documents to RevCom

**IG NG-OCC:** Yeong Min Jang (Kookmin University)

* Two meetings planned
* Multiple presentations planned

**TG 16t (802.16 Lic-NB Amendment)**: Tim Godfrey (EPRI)

* First SA ballot still active
* Work on editorial changes
* Plans for new revision project after 16t

## New Business

No new business

## AOB

The public visibility standing committee asks everybody to follow the IEEE802 group on LinkedIn.

Discussion on response of IEEE802 to FCC concerning NextNav. General possibility to comment to FCC is closed. Review of FCC comments can start. Everybody is encouraged to take a look at the comments. Approx. 900 negative comments received.

## WG Recess

**11:52 PM** WG Chair recessed the meeting until the mid-week on Wednesday.

# 802.15 WG Mid-week (& WNG)

# Wednesday, 11th September 2024

**10:30 am** WG Chair, Clint Powell (PWC; LLC) called the session to order. He is displaying the agenda (doc #[*15-24-0429-03*](https://mentor.ieee.org/802.15/dcn/24/15-24-0429-03-0000-sept-2024-802-15-agenda.xlsx)).

1. **Announcements**

Registration is required to attend this session. State your name and affiliation when you speak. IMAT is used to record attendance.

Please do not register to IMAT if you are not participating to the meeting.

Direct Vote Live will be using for the voting during Closing Plenary.

## Chair Reminders

Please follow the policies.

Send Closing Plenary motions to Phil Beecher as early as possible.

## General and Administrative

Remember the social tonight.

Registration is open for Vancouver.

If the chair is not attending the meeting, the subgroup has to identify somebody running the business in Vancouver.

Technical editors shall attend the WG Technical Editor meeting.

There will be a straw poll on the schedule in Madrid. Please respond to the e-poll.  
It option 1 is chosen, the WG chair will schedule the meetings to start at AM2.

Please do not forget to vote on the LB, otherwise voting rights may be lost.

## Midweek Subgroup Status Updates

**TG 4ab**: Resolving comments. CRG motion during Closing Plenary.

**SC WNG**: Two presentations planned.

**IG Access**: 20 people attended the meeting. Interest in continuing the work.

**Joint .15/.11 Mtg.:** Did not meet.

**TG 4ac:** Draft will most likely be finished this week. Pre-ballot comment collection will start soon.

**SC IETF:** No IETF agenda yet.

**TG4ae/TG9a:** Call for proposals and participation.

**TG 4ad:** Different presentations. Work on call for proposals.

**Joint 802.1/802.15 Mtg**.: Did not meet.

**SC MAINTANCE/RULES:** Response to JTC1. Work on call for proposals template and new website.

**TG 4me**: On RevCom agenda for September. Publication expected soon. CRG motion in  
 case of any comments.

**TG 6ma**: Motion to start LB.

**TG 7a OCC**: Second SA recirculation completed without comments. LMSC slide packet

will be prepared.

**IG NG-OWC**: Multiple presentations

**TG 16t**: SA ballot is currently ongoing. Motion to form CRG. Process for revision PAR will start soon.

## Any Other Business

WG Chair asked if there was any other business. Nothing was raised.

## WG Recess

**11:03am** 802.15 Midweek recessed by WG Chair Clint Powell (HID) until Thursday 4:00pm.

**Wireless Next Generation (WNG)**

**11:10 am** WNG Chair, Ben Rolfe (BCA) called the session to order. He is displaying the agenda (Doc #[*15-24-0511-00*](https://mentor.ieee.org/802.15/dcn/24/15-24-0511-00-wng0-september-meeting-slides.pptx)).

## Announcements

* The chair reminds everybody of the required registration and the meeting rules.
* The proposed agenda is approved.

## Contribution: Diversified Range IoT for Disaster Response Operations

* Presentation of Mineo Takai (Space-Time Engineering) and Shoichi Kitazawa (Muroran IT) (doc. #[15-24-0507-01](https://mentor.ieee.org/802.15/dcn/24/15-24-0507-01-wng0-diversified-range-iot-dr-iot-for-disaster-response-applications.pptx))
* The concept proposes to change data rates by scaling the bandwidth by factors of two
* Discussion on actual requirements, as modes may be already covered by current 15.4 systems.
* Discussion if gaps can be included in 802.15.4ad.
* Discussion on high-rate suitability of FSK in long communication

## Contribution: Introduction to LDSW

* Presentation of Jason Liao (Chengdu West Valley Digital Tech. Inc.) (doc. #[15-24-0513-00](https://mentor.ieee.org/802.15/dcn/24/15-24-0513-00-wng0-introduction-to-ldsw.pptx))
* Discussion on required extensions to existing IEEE 802.15.4 standards
* Contributor will share more information to the group

## AoB

* No topics were raised

**12:25pm** The WNG chair adjourns the session.

# 802.15 WG Closing

# Thursday, 12th September 2024

**4:00 PM** WG Chair, Clint Powell (PWC; LLC) called the meeting to order displaying the closing agenda document (doc #[*15-24-0429-03*](https://mentor.ieee.org/802.15/dcn/24/15-24-0429-03-0000-sept-2024-802-15-agenda.xlsx))

## Announcements

Registration is required to attend this meeting.

Please log into DVL now. If you have not received an email, please contact the vice chair.

## General and Administrative

The TG chairs should respond to email of Ann Krieger.

## Future Meetings and Polls

Straw Polls:

* Do you want to come back to this venue? Y 9; N 1
* Did you go to the social? Y 15; N 0
* Did you like the social? Y 15; N 0

802.15 WG will hold its session Nov. 10-15, 2024, with the in-person part being held at the Hyatt Regency Vancouver, Canada.

For the TG chairs: If not present in person, please ensure somebody is there to run the meeting in the room.

## Sub-Groups and Committees Closing Reports

**TG4ab Closing Report**: Ben Rolfe (BCA) presented doc #[*15-24-0473-01*](https://mentor.ieee.org/802.15/dcn/24/15-24-0473-01-04ab-tg4ab-meeting-slides.pptx)

* Group worked on comment resolution
* 70% not resolved yet
* Weekly calls on Tuesdays and Thursdays

**WNG Closing Report**: Ben Rolfe (BCA) verbal report

* Two presentations
* No concrete actions

**IG Access**: Ben Rolfe (BCA) verbal report.

* Objective to look at spectrum access with focus on coexistence
* Two potential contributions for November

**Joint 802.15/802.11 Closing Report**: Ben Rolfe (BCA) verbal report.

* Did not meet
* Contributions for the next meeting appreciated

**TG4ac Closing Report:** Tero Kivinen (Wi-SUN Alliance) presented doc #[*15-24-0464-02*](https://mentor.ieee.org/802.15/dcn/24/15-24-0464-02-04ac-september-opening-and-closing.pptx)

* Discussed different issues
* Plan to start LB in November
* Tutorial planned during November plenary

**TG4ae Closing Report:** Tero Kivinen (Wi-SUN Alliance) presented doc #[*15-24-0465-03*](https://mentor.ieee.org/802.15/dcn/24/15-24-0465-03-04ae-september-opening-and-closing.pptx)

* Working on call for participation and call for proposals document
* Start of LB planned for March 2025
* Plan for November is to finish draft
* Chair asks for one-pager to show the differences between AES and ASCOM

**TG9a Closing Report:** Tero Kivinen (Wi-SUN Alliance) presented doc #[*15-24-0467-02*](https://mentor.ieee.org/802.15/dcn/24/15-24-0467-02-009a-september-opening-and-closing.pptx)

* Working on call for participation and call for proposals document, list of changes needed to IEEE Std 802.15.9
* Start of letter ballot planned for March 2025

**TG4ad Closing Report**: Phil Beecher (Wi-SUN Alliance) presented doc #[*15-24-0460-01*](https://mentor.ieee.org/802.15/dcn/24/15-24-0460-01-04ad-tg4ad-opening-and-closing-report-interim-september-2024.pptx)

* Consensus on channel and interference model
* Working on technical guidance document
* Two conference calls scheduled
* Final deadline for proposals will be March 2023

**TG4me Closing Report**: Gary Steubing (Cisco) presented doc #[*15-24-0399-05*](https://mentor.ieee.org/802.15/dcn/24/15-24-0399-05-04me-sept-2024-802-15-4me-opening-and-closing.pptx)

* CRG formed for potential RevCom comments
* **TG4me Motion:** TG4me CRG formation
  + Move that 802.15 WG approve the formation of a Comment Resolution Group (CRG) for the Standards Association balloting of the P802.15.4me\_D07 with the following membership: Gary Stuebing(Chair), Alex Krebs, Ann Krieger, Ben Rolfe, Phil Beecher, Billy Verso. The 802.15.4me 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: Gary Stuebing
  + Seconded: Phil Beecher
  + Discussion: None
  + Result: Y 26; N 0; A 1
  + Motion passes
* Gary Stuebing thanks the group for the professional and successful work

**TG6ma Closing Report**: Ryuji Kohno (YNU/YRP-IAI) presented doc #[*15-24-0533-01*](https://mentor.ieee.org/802.15/dcn/24/15-24-0533-01-006a-tg15-6ma-closing-report-for-september-2024.pptx)

* Draft prepared for LB
* **TG6ma Motion:** TG6ma to Letter Ballot
  + Move that 802.15 WG start a WG Letter Ballot requesting approval of CA document 15-24-0348-02 and document P802-15-6ma\_D03 and to forward document P802-15-6ma\_D03, to Standards Association ballot.
  + Moved: Ryuji Kohno
  + Seconded: Phil Beecher
  + Discussion: None
  + Result: Y 27; N 0; A 1
  + Motion passes

**TG7a Closing Report:** Yeong Min Jang (Kookmin University) doc# [*15-24-0539-00*](https://mentor.ieee.org/802.15/dcn/24/15-24-0539-00-007a-15-7a-higher-rate-longer-range-occ-tg-closing-report-sept-2024.pptx)

* + Telephone conference scheduled
  + Formed CRG group
  + **TG7a Motion:** TG7a RevCom submission
    - Motion: that 802.15 WG has reviewed and approves the CSD 15-19-0297-r3 and requests unconditional approval from the IEEE 802 LMSC to submit P802.15.7-D8 to RevCom.
    - Moved: Yeong Min Jang
    - Second: Phil Beecher
    - Discussion: None
    - Result: Y 23; N 0; A 2
    - Motion passes
  + **TG7a Motion:** TG7a CRG
    - 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.
    - Moved: Yeong Min Jang
    - Second: Phil Beecher
    - Discussion: None
    - Result: Y 23; N 0; A 2
  + Motion passes

**IG NG-OWC Closing Report:** Yeong Min Jang (Kookmin Univ.) doc #[*15-24-0542-00*](https://mentor.ieee.org/802.15/dcn/24/15-24-0542-00-07ma-ieee-802-15-ig-ng-owc-closing-report-sept-2024.pptx)

* + Seven contributions
  + Plan it to create TG in 2025

**TG16t Closing Report:** Tim Godfrey (EPRI) presented doc #[*15-24-0544-01*](https://mentor.ieee.org/802.15/dcn/24/15-24-0544-01-016t-sept-2024-tg16t-meeting-closing-report.pptx)

* + SA ballot currently running
  + Discussed input from MEC review
  + New draft 4.1
  + Plan to revise base standard as it reached its lifetime
  + **TG16t Motion:** TG16t CRG
    - Move that 802.15 WG approve the formation of a Comment Resolution Group (CRG) for the SA balloting of the P802.15.16t\_D04 with the following membership: Tim Godfrey (Chair), Vishal Kalkundrikar, Harry Bims, Tero Kivinen, and Joerg Robert. The 802.15.16 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: Tim Godfrey
    - Seconded: Phil Beecher
    - Discussion: None
    - Result: Y 24; N 0; A 1
    - Motion passes
  + **TG16t Motion:** 802.16 Revision PAR
    - Move that the Revision PAR contained in document 802.15-24-0519-00 be approved by the IEEE 802.15 WG and that the LMSC be requested to forward the PAR to NesCom. The 802.15 working group chair and technical editor are authorized to make additional modifications to the PAR as needed to reflect LMSC discussion at its closing meeting.
    - Moved by: Tim Godfrey
    - Second by: Phil Beecher
    - Discussion:
      * Q: Does the revision PAR change the scope of the standard.
      * A: No
    - Result: Y 25; N 0; A 2
    - Motion passes

**SC-Maintenance:** Phil Beecher (Wi-SUN Alliance) presented doc # [*15-24-0461-01*](https://mentor.ieee.org/802.15/dcn/24/15-24-0461-01-0mag-scm-opening-and-closing-report-interim-september-2024.pptx)

* + Resolved comment from JTC1
  + Review of motion templates
  + Added website management
  + **SC-Maintenance Motion:** SC Maintenance
    - 802.15 WG approves the following resolution to comment CN1 contained in document ISO/IEC JTC 1/SC 6 N 18278, Summary of Voting on Submission of IEEE 802.15.7-2018, and request LMSC approval to forward to ISO/IEC JTC 1 /SC6 if required.

Comment Resolution: Reject

Reason for Rejection: AES-CCM\* is a widely used security algorithm and was chosen for its proven strength and interoperability. Minimum protocol level interoperability is ensured by having a mandatory-to-implement algorithm, but this does not preclude the use of national and regional algorithms within IEEE 802.15.7-2018.

* + - Moved by: Phil Beecher
    - Second by: Ann Krieger
    - Discussion: None
    - Result: Y 19; N 0; A 2
    - Motion passes

**Liaison Reports**

**802.19 Coexistence TAG Liaison Report –** Ben Rolfe (BCA) gave a verbal report.

* One active task group
* No CA documents to review

**802.24 Liaison Report –** Tim Godfrey (EPRI) gave a verbal report.

* Finalized white papers
* Additional work on other white papers

**802.11 Liaison Report** – None.

**802.18 Liaison Report** – None.

## New Business

Reminder to answer the request for meeting start times for the Madrid meeting.

## Any Other Business

The chair thanks the officers for their support.

## Adjourn

**5:15 PM** The WG Chair adjourned the meeting.

# 802.15 CAC Mtg.

# Sunday, 8th September 2024

## Attendance (12)

Clint Powell

Phil Beecher

Ann Krieger

Ben Rolfe

Tero Kivinen

Gary Stuebing

Clint Chapman

Ryuji Kohno

Christy Bahn

Yeong Min Jang

Tim Godfrey

~~James Glib~~

Joerg Robert

~~Thomas Kürner~~

## Minutes

**5:44 pm**: WG Chair, Clint Powell (PWC; LLC) called the mtg. to order and presented the WG Agenda (Doc #[*15-24-0429-01*](https://mentor.ieee.org/802.15/dcn/24/15-24-0429-01-0000-sept-2024-802-15-agenda.xlsx))

General Announcements:

* Chair reminds everybody of the IEEE policy
* Chair asks for potentially essential patents. No response from the group.
* Chair reminds everybody to pay registration fees.
* Problems with financial system software, no treasury report prepared yet.
* Technical editors shall attend the editors’ corner on Tuesday.

NesCom/RevCom Meetings:

* Dates are available in Doc #TBD

September Meetings:

* 802.15 WG Prep 2pm to 3:00pm on Sun., Sep. 08, 2024
* 802 Wireless Chairs (WCSC) meeting: 4pm to 5:30pm on Sun., Sep. 08, 2024
* Opening 802.15 WG AC meeting: 5:30pm to 6:30pm on Sun., Sep. 08, 2024
* Opening 802 LMSC: n/a
* Opening 802 Wireless: 8:00am to 10:00am on Mon., Sep. 09, 2024
* Opening 802.15 WG meeting: 10:30am to 12:30pm on Mon., Sep. 09, 2024
* Mid-Week 802.15 WG AC meeting: 9:00am to10:00am on Wed., Sep. 11, 2024
* Mid-Week 802.15 WG meeting: 10:30am to 11:30am on Wed., Sep. 11, 2024
* 802.15 WNG meeting: 11:30am to 12:30pm on Wed., Sep. 11, 2024
* Closing 802.15 WG meeting: 4:00pm to 6:00pm on Thu., Sep. 12, 2024
* Closing 802 LMSC: n/a

Subgroup Status and Objectives for September Interim.

* TG 4ab UWB-NG Amendment – Comment Resolution
* SC WNG – Two presentations
* IG Access – Zero responses for contributions
* Joint .15/.11 Mtg. – No agenda requests yet
* TG 4ac Privacy Amendment – Try to finish draft this week
* SC IETF – Nothing to report
* TG 4ae Ascon Cryptographic Algorithms Amendment – Nothing to report
* TG 9a EDHOC KMP Amendment – Nothing to report
* TG 4ad NG-SUN PHYs Amendment – Nothing to report
* Joint .15/.1 Mtg. – Not meeting in Waikoloa
* SC MAINT/RULES – Discussion of issued in JTC1
* TG 4me Revision to 2020 – Only one comment
* TG 6ma BAN/VAN Revision – Start of LB planned for the end of the week
* TG 7a OCC Amendment – Start RevCom
* IG NG-OWC – Nothing to report
* TG 16t Lic-NB Amendment – Nothing to report
* SC THz – Not meeting in Waikoloa

Upcoming Meetings:

* Social on Wednesday, guest tickets have to be picked early

AOB:

* 802.15.4ab wants to request publication of the draft

**6:13pm** WG chair recessed until Wednesday (8:00-9:00am)

# 802.15 Mid-Week CAC Mtg.

# Wednesday, 11th September 2024

## Attendance (11)

Clint Powell

Phil Beecher

Ann Krieger

Ben Rolfe

Tero Kivinen

Gary Stuebing

Clint Chapman

Ryuji Kohno

Christy Bahn

Yeong Min Jang

~~Tim Godfrey~~

~~James Gilb~~

Joerg Robert

~~Thomas Kürner~~

## Minutes

**9:01am**: WG Chair, Clint Powell (PWC; LLC) called the meeting to order.

General Announcements:

* Please keep in mind to show the patent policy slide at the beginning of each session and call for essential patents
* Remind people that they have to register to attend the session
* If comments are shifted from LB to SA ballot, the WG will upload them if the person is not SA member
* Social tonight, ticket required
* Technical editor meetings will continue, attendance is **mandatory for technical editors** of the groups
* E-Poll does not work, poll on starting times in Spain will be done during closing plenary
* Progress on new Website and automatic voting rights calculator

SASB Updates:

* Two PARs and one draft going to NesCom

Midweek Subgroup Status Updates

* **TG 4ab UWB-NG Amendment –** CRG motion
* **SC WNG –** Two presentations
* **IG Access –** Potential SG formation
* **TG 4ac –** No motions, LB will most likely start in November, potential tutorial
* **TG 4ae/9a –** Draft potentially ready in January
* **TG 4ad –** Call for proposal will be issued
* **SC Maintenance –** Work on response from JTC1, problems with security protocols
* **TG 4me Revision to 2020 –** One meeting left, single comment resolved, motion for CRG
* **TG 6ma BAN/VAN Revision –** Motion to start LB
* **TG 7A OCC –** Motion for CRG, LMSC package will be created
* **IG NG OWC** – Different presentations planned
* **TG 16t Lic-NB Amendment –** Motion for CRG, plan for motion to start a revision PAR

Any Other Business:

* Proposals for TG should consider CA things
* For IG groups there has to be a manual list of attendees and their affiliation, as the list is public anyhow, it should also go into the minutes

**9:45am** WG chair adjourned the CAC meeting.

# Annex A Total attendance (in-person + remote) =

|  |  |  |
| --- | --- | --- |
| Last Name | First Name | Affiliation |
| Akhavan | Koorosh | Qualcomm Incorporated |
| Aldana | Carlos | Meta Platforms Inc. |
| Almholt | Thomas | Texas Instruments Inc. |
| Amezawa | Yasuharu | Mobile Techno Corp. |
| Anzai | Daisuke | Nagoya Institute of Technology |
| Au | Kwok Shum | Huawei Technologies Co.; Ltd |
| Bahn | Christy | IEEE STAFF |
| Baik | Eugene | Qualcomm Technologies; Inc. |
| BEECHER | PHILIP E | Wi-SUN Alliance |
| Bettesh | Ido | Apple Inc. |
| Bims | Harry | Bims Laboratories; Inc. |
| Chaplin | Clint | Samsung Electronics |
| Chen | Run | New Radio Technology Co.; Ltd. |
| CHERIAN | GEORGE | Qualcomm Technologies Inc |
| Chitrakar | Rojan | Huawei International Pte Ltd |
| Chou | Tzu-Hsuan | Qualcomm |
| Godfrey | Tim | Electric Power Research Institute; Inc. (EPRI) |
| Gruber | Josef | Infineon Technologies |
| Guo | Jianlin | Mitsubishi Electric Research Laboratories (MERL) |
| Ha | Taeyoung | Samsung Electronics Co.; Ltd. |
| Harada | Hiroshi | National Institute of Information and Communications Technology (NICT) |
| Helwa | Sherief | Qualcomm Technologies Inc. |
| Hirata | Masayuki | Osaka University Graduate School of Medicine; Dept of Neurological Diagnosis and Restoration |
| Huang | Lei | Huawei Technologies Co.; Ltd |
| Ikegami | Tetsushi | Meiji University |
| Jiang | Jinjing | Apple Inc. |
| Jungnickel | Volker | Fraunhofer Heinrich Hertz Institute |
| Kabbinale | Aniruddh | Samsung Electronics |
| Kadampot | Ishaque Ashar | Qualcomm Technologies; Inc. |
| KAJITA | SHUGO | Space-Time Engineering Japan; Inc. |
| Kalamkar | Sanket | Qualcomm Technologies Inc. |
| Kalkundrikar | Vishal | Ondas Networks |
| Kim | Youhan | Qualcomm Technologies; Inc. |
| Kishida | Akira | NTT |
| Kitazawa | Shoichi | Muroran IT |
| Kivinen | Tero | Wi-SUN Alliance |
| KOBAYASHI | Takumi | YRP International Alliance Institute |
| Kohno | Ryuji | YNU/YRP-IAI |
| Krebs | Alexander | Apple Inc. |
| Krieger | Ann | US Department of Defense |
| kristem | vinod | Apple Inc. |
| Lee | Hong Won | LG ELECTRONICS |
| Lee | Jaegook | SAMSUNG ELECTRONICS |
| Leong | Frank | NXP Semiconductors |
| Li | Huan-Bang | National Institute of Information and Communications Technology (NICT) |
| Li | Jialing | Qualcomm Technologies; Inc. |
| Li | Panpan | Huawei Technologies Co.; Ltd |
| Li | Wenzheng | Calterah Semiconductor Technology (Shanghai) Co.; Ltd. |
| Liu | Yong | Apple; Inc. |
| Luo | Xiliang | Apple; Inc. |
| Ma | Li | MediaTek Inc. |
| Maman | Mickael | STMicroelectronics |
| Megahed | Abdelfattah | Renesas Electronics Corporation |
| Motozuka | Hiroyuki | Panasonic Holdings Corporation |
| Murali | Sriram | Texas Instruments |
| Murray | Carl | Qorvo |
| Nomura | Tetsuya | DENSO TEN LIMITED |
| Pakrooh | Pooria | Qualcomm Technologies; Inc. |
| Patel | Tushar | Teradyne; Inc. |
| Patil | Abhishek | Qualcomm Incorporated |
| Pirhonen | Riku | NXP Semiconductors |
| Portier | Fabrice | Silicon Laboratories |
| Powell | Clinton | PWC; LLC |
| Robert | Joerg | Technische Universitaet Ilmenau |
| Rolfe | Benjamin | Blind Creek Associates |
| Sand | Stephan | German Aerospace Center (DLR) |
| Sayrafian | Kamran | National Institute of Standards and Technology |
| SHAHAR | MENASHE | Ondas Networks |
| Shirakawa | Atsushi | Sharp Corporation |
| So | Youngwan | Samsung Electronics Co.; Ltd. |
| Stuebing | Gary | Cisco Systems; Inc. |
| Sumi | Takenori | Mitsubishi Electric Corporation |
| Sun | Li-Hsiang | MediaTek Inc. |
| Suzuki | Takafumi | NICT |
| Takabayashi | Kento | Toyo University |
| Takai | Mineo | Space-Time Engineering |
| Tang | Weidong | NewRadio Techologies Co.; Ltd. |
| Verso | Billy | Qorvo |
| Wendt | Matthias | Signify |
| Xiao | Libra | NewRadio Technology Co.; Ltd. |
| Yang | Shang-Te | Apple; Inc. |
| Yong | Su Khiong | Apple; Inc. |
| Yoon | Kangjin | Spark Microsystems |
| Yu | zhongxing | Calterah Semiconductor Technology (Shanghai) Co.; Ltd. |
| Zakaib | Larry | SPARK Microsystems |