**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 & WNG Minutes January 2025** |
| Date Submitted | [27 November 2024] |
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| Re: | [] |
| Abstract | [IEEE 802.15 Working Group & CAC & WNG Minutes] |
| Purpose | [Official minutes of the Working Group Opening/Mid-week/Closing/Joint and CAC Sessions] |
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**154th IEEE 802.15 WSN SESSION**

**Kobe International Convention Center, Kobe, Japan (all times in local)**

**January 12-16, 2025**

# 802.15 WG Opening

# Monday, 13th January 2025

**10:30AM** WG Vice-Chair, Phil Beecher (Wi-SUN), calls the meeting to order and opens the WG Agenda (doc #[*15-24-0669-04*](https://mentor.ieee.org/802.15/dcn/24/15-24-0669-04-0000-jan-2025-802-15-agenda.xlsx))

## Announcements

Welcome to the 154th 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 when you speak the first time.

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 Powell and Ann Krieger.
* >= 75% Attendance = min 12 time slots (of 16)

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

WG Vice-Chair asks for new participants to speak up: Several new attendees in the room

## 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)).

* The WG Chair asks the participants who wishes 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 are brought forth.

The WG Chair displays and reads the standard IEEE Anti-Trust statement and the standard IEEE Copyright Policy, including Code of Ethics.

The WG Chair reminds the TG/SG/SC chair that they must show the policies at every session, but they do not need to reread through them all.

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

## WG Approvals

Motion to *approve the agenda* (doc #[*15-24-0669-04*](https://mentor.ieee.org/802.15/dcn/24/15-24-0669-04-0000-jan-2025-802-15-agenda.xlsx))

* Moved by: Ann T Krieger (U.S. DoD)
* Seconded by: Ben Rolfe (BCA)
* Discussion: none
* Approved by unanimous consent.

Motion to *approve the previous meeting minutes (*doc #[*15-24-0676-00*](https://mentor.ieee.org/802.15/dcn/24/15-24-0676-00-0000-802-15-wg-cac-joint-1-15-minutes-november-2024.docx)*)*

* Moved by: Joerg Robert (FAU Erlangen-Nuernberg)
* Seconded by: Ann T Krieger (U.S. DoD)
* Discussion: none
* Approved by unanimous consent.

WG Chair presents the SASB dates (doc #[*15-24-0669-04*](https://mentor.ieee.org/802.15/dcn/24/15-24-0669-04-0000-jan-2025-802-15-agenda.xlsx))

* Exact dates are given on the sheet “2024 & 2025 SASB Dates”
* No current tasks for WG15

## General and Administrative

WG Vice-Chair presents the general meeting information:

* 802.15 Voters:
	+ Voters: 114
	+ Nearly: 12
	+ Aspirant: 22
* For questions regarding voting rights contact Ann Krieger

Vice-Chair reminds everybody to reply on Letter Ballots, otherwise voting rights may be lost!

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

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

Ben Rolfe (BCA) presents the treasurer report (doc #[ec-25-0001-00](https://mentor.ieee.org/802-ec/dcn/25/ec-25-0001-00-WCSG-wireless-treasurer-report-2025.pptx))

The conference building will be closed between 9pm and 6:30am. There is no housekeeping.

In case of issues with IMAT contact Ann Krieger.

The social is on Wednesday. Registration is required for the social.

Document doc #[15-25-0037-00](https://mentor.ieee.org/802.15/dcn/25/15-25-0037-00-0000-restaurants-in-sannomiya-and-other-information.pptx) gives information about sights and restaurants in Kobe.

Vice-Chair shows opening report (doc #[*15-24-0670-04*](https://mentor.ieee.org/802.15/dcn/24/15-24-0546-01-0000-nov-2024-802-15-opening-report.pptx))

Discussion on required motions on draft sharing with external entities. Motions will be done on Wednesday. Additional clarification may be required.

## Future Meetings and Polls

Future Meetings:

* Next meeting will be held in Atlanta, GA
* Registration is open
* In-Hotel stay discount available on registration fees

Polls:

* No polls today

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

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

* Work will focus on comment resolution, recirculation before March unlikely

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

* Several presentations on SUN and THz
* THz demonstrations during Wednesday afternoon

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

* Does not meet in Kobe

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

* Discussion of pre-ballot comments
* Letter Ballot after the meeting

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

* Does not meet in Kobe

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

* Preparing draft

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

* Preparing draft

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

* Technical editors shall attend the session

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

* Review of proposals

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

* Two meetings
* ISO JTC1 Comment on 15.3 and preparation of PAR for 15.4 corrigendum

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

* Four meetings, several presentations
* Still working on draft for recirculation

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

* One session for administrative things

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

* Does not meet in Kobe

**TG 16t (802.16 Lic-NB Amendment)**: Phil Beecher (Wi-SUN)

* Received unexpected comments
* One meeting to form CRG

**SC THz:** Thomas Kürner (TU Braunschweig)

* Three sessions
* Discussion of liaisons statements and technical presentations

## New Business

* The Vice-Chair reminds of the 802 LinkedIn page, Photos of the THz demonstration will be published on LinkedIn
* Update on FCC Petition by NextNav, between 800 and 900 comments against NextNav received by FCC

## AOB

* No AOB

## WG Recess

**11:42 AM** WG Vice-Chair recessed the meeting until the mid-week on Wednesday.

# 802.15 WG Mid-week

# Wednesday, 15th January 2025

**9:00 am** WG Vice-Chair, Phil Beecher (Wi-SUN) calls the session to order. He displays the agenda (doc #[*15-24-0669-04*](https://mentor.ieee.org/802.15/dcn/24/15-24-0669-04-0000-jan-2025-802-15-agenda.xlsx)).

1. **Announcements**

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

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

People attending AdHoc meetings will not be granted Attendance Credit.

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

## General and Administrative

Remember the social tonight. The busses leave at 6:00pm from the Portopia Hotel.

The new voting right system will be in operation soon. Please do not forget to vote on Letter Ballots. Otherwise voting rights may be lost.

## Future Meetings and Polls

Do not forget to register for the Atlanta meeting in March. Registration is open.

There is a discount for staying at the meeting hotel.

The future venue meeting AdHoc is on Thursday at 7:30am.

## Midweek Subgroup Status Updates

**TG 4ab**:

* Resolving comments. Still many comments left to resolve
* CRG will be formed at the end of the week

**SC WNG**:

* Separate session today
* Several presentations and demonstrations

**TG 4ac:**

* Initial draft is almost ready for Letter Ballot and posted in private area

**TG 9a:**

* Draft is almost ready, pre-Letter Ballot comment collection will start after this meeting

**TG4ae:**

* Text for draft is in Mentor document
* Test vectors are missing, these will be most likely be available in March

**TG 4ad:**

* Presentation of initial proposals

**SC Maintenance/Rules:**

* Working on templates for Power Point and Word
* Started to work on corrigendum PAR for 802.15.4me
* Reminder of ANA process, Ben Rolfe is now responsible

**TG 6ma**:

* Almost completed comment resolution
* CRG motion required during the closing

**TG 7a OCC**:

* One short meeting to form CRG

**IG NG-OWC**:

* No meeting in Kobe

**TG 16t**:

* No meeting in Kobe
* CRG motion at the end of the week

**SC THz:**

* Technical presentations and liaison documents
* Demonstrations in the afternoon

## New Business

No topics are raised

## Any Other Business

No topics are raised

## WG Recess

**11:21am** 802.15 Midweek recessed by WG-Vice Chair until Thursday 4:00pm.

# 802.15 WNG

# Wednesday, 15th January 2025

**10:32 am** SC WNG Chair, Ben Rolfe (BCA) calls the session to order. He displays the agenda (doc #[*15-25-0039-00*](https://mentor.ieee.org/802.15/dcn/25/15-25-0039-00-wng0-wireless-next-generation-meeting-slides.pptx)).

1. **Announcements and Agenda**

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

The chair reminds everybody of the meeting policies.

The chair presents the agenda. The group agrees on the agenda.

## Chairs Welcome

The 802 LMSC chair James Gilb (GA-ASI) welcomes the group.

The 802.15 WG Vice-Chair Phil Beecher (WiSUN) also welcomes the group and thanks the presenters.

## THz Presentations

* Thomas Kürner (TU-BS) and Iwao Hosako (NICT) present doc. #[15-25-0001-01](https://mentor.ieee.org/802.15/dcn/25/15-25-0001-01-wng0-introduction-to-the-thz-presentations-and-demonstrations-at-802-15-wng-tech-focus.pptx) and give and introduction to the history of THz in IEEE 802.15, as well as an overview of the three planned presentations
* Keitarou Kondou (NICT) presents the “Current Status of 3e Device” (doc. #[15-25-0051-01](https://mentor.ieee.org/802.15/dcn/25/15-25-0051-01-wng0-current-status-of-3e-device.pptx))
* Tetsuya Kawanishi (Waseda Univ.) presents „Results of the ThoR Project” (doc. #[15-25-0026-01)](https://mentor.ieee.org/802.15/dcn/25/15-25-0026-01-wng0-results-of-the-thor-project.pptx)
	+ Q: What is the benefit of THz?
	+ A: Extremely high rates for short distances.
* Yoro Shoji (NICT) presents “Progress of 3d; New Use Cases” (doc. #[15-25-0048-00](https://mentor.ieee.org/802.15/dcn/25/15-25-0048-00-wng0-progress-of-3d-new-use-case.pptx))
* Thomas Kürner (TU-BS) and Iwao Hosako (NICT) again present doc. #[15-25-0001-01](https://mentor.ieee.org/802.15/dcn/25/15-25-0001-01-wng0-introduction-to-the-thz-presentations-and-demonstrations-at-802-15-wng-tech-focus.pptx) and show the missing items for making THz a communications reality, they also give a brief introduction to the demonstrations in the lobby, and they thank all people that made the demonstrations possible

## WiSUN Presentation

* Phil Beecher (WiSUN) gives a verbal introduction to the history of SUN
* Hiroshi Harada (Kyoto University / NICT) presents “Wi-SUN: An IoT network that has been successfully commercialized on a large scale by IEEE 802.15.4” (doc. #[15-25-0034-01](https://mentor.ieee.org/802.15/dcn/25/15-25-0034-01-wng0-wi-sun-a-iot-network-that-has-been-successfully-commercialized-on-a-large-scale-by-ieee-802-15-4.pdf))
* Q: Question on security. Are there any special security mechanisms?
* A: The current concept is very similar to IEEE 802.11.

## AoB

No topics are raised.

## SC WNG Adjourn

The SC WNG Chair adjourns the meeting at 12:27pm.

# 802.15 WG Closing

# Thursday, 16th January 2025

**4:01 PM** WG Vice-Chair, Phil Beecher (Wi-SUN) calls the session to order and displays the closing agenda document (doc #[*15-24-0669-05*](https://mentor.ieee.org/802.15/dcn/24/15-24-0669-05-0000-jan-2025-802-15-agenda.xlsx))

## Announcements

The Vice-Chair reminds everybody of the meeting policies.

Registration is required to attend this meeting.

Check the attendance for the meeting, as 75% is required for the voting rights.

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

The group thanks the organizers of the 802 Interim in Kobe for the excellent organization.

## General and Administrative

No topics are discussed

## Future Meetings and Polls

Registration for the March plenary in Atlanta is open. Early bird registration finishes at the end of the month. 300$ discount if you stay at the conference hotel.

Strawpoll on the Kobe meeting:

* Strawpoll: Did you like the venue? Y: 37; N: 0
* Strawpoll: Did you go to the social? Y: 32; N: 0
* Strawpoll: How many people liked the social? Y: 31, N: 1

## Sub-Groups and Committees Closing Reports

**TG4ab Closing Report**:

* Ben Rolfe (BCA) gives the TG4 ab closing report (doc. #[*15-25-0032-02*](https://mentor.ieee.org/802.15/dcn/25/15-25-0032-02-04ab-tg4ab-meeting-slides-jan-2025.pptx)*)*
* Group worked on comment resolution
* 130 comments were addressed, 20% of the comments are still left
* Discussion on the formation of a CRG
* The final CRG is being edited and will be done later

**TG4ac Closing Report:**

* Tero Kivinen (Wi-SUN Alliance) presents the TG4ac closing report (doc. #[*15-25-0029-03*](https://mentor.ieee.org/802.15/dcn/25/15-25-0029-03-04ac-january-opening-and-closing.pptx)*)*
* Draft created in the group is ready for Letter Ballot
* **TG4ac Motion:** **Start Letter Ballot**
	+ Move that 802.15 WG start a WG Letter Ballot requesting approval of document P802-15-4ac\_D00 and to forward document P802-15-4ac\_D00, to Standards Association ballot.
	+ Moved: Tero Kivinen
	+ Seconded: Ann Krieger
	+ Discussion: None
	+ Result: Y 34; N 1; A 2
	+ Motion passes
* Updated timeline is presented

**TG4ae Closing Report:**

* Tero Kivinen (Wi-SUN Alliance) presents the TG4ae closing report (doc. #[15-25-0031-02](https://mentor.ieee.org/802.15/dcn/25/15-25-0031-02-04ae-january-opening-and-closing.pptx))
* Updated timeline is presented
* Test vectors are missing before Letter Ballot can start

**TG9a Closing Report:**

* Tero Kivinen (Wi-SUN Alliance) presents the TG4ae closing report (doc. #[*15-25-0030-03*](https://mentor.ieee.org/802.15/dcn/25/15-25-0030-03-009a-january-opening-and-closing.pptx)*)*
* Updated timeline is presented

**TG6ma Closing Report**:

* Ryuji Kohno (YNU/YRP-IAI) presents the TG6ma closing report (doc. #[15-25-0063-00](https://mentor.ieee.org/802.15/dcn/25/15-25-0063-00-006a-tg15-6ma-closing-report-for-january-2025.pptx))
* Resolved comments
* Plan to resolve remaining comments in CRG
* **TG6ma Motion: Motion to approve formation of CRG**
	+ Move that 802.15 WG approve the formation of a Comment Resolution Group (CRG) for the WG balloting of the P802.15.6ma\_D04 with the following membership: Ryuji Kohno (Chair), Huan-Bang Li , Seong-Soon Joo, and Takumi Kobayashi. The 802.15.6ma 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: Ryuji Kohno
	+ Seconded: Ann Krieger
	+ Discussion: None
	+ Result: Y 35; N 0; A 2
	+ Motion passes

**TG4ad Closing Report**:

* Phil Beecher (Wi-SUN Alliance) presents the TG4ad closing report (doc. #[*15-25-0022-01*](https://mentor.ieee.org/802.15/dcn/25/15-25-0022-01-04ad-tg4ad-agenda-opening-and-closing-report-january-2025.pptx))
* Review of initial proposals
* Conference calls scheduled
* Timeline is presented

**TG7a Closing Report:**

* + Yeong Min Jang (Kookmin University) presents the TG7a closing report (doc. #[15-25-0070-00](https://mentor.ieee.org/802.15/dcn/25/15-25-0070-00-007a-15-7a-higher-rate-longer-range-occ-tg-closing-report-jan-2025.pptx))
	+ Reviewed RevCom comments
	+ **TG7a Motion: Motion to approve the formation of CRG**
		- Move that 802.15 WG approve the formation of a Comment Resolution Group (CRG) for the SA balloting of 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
		- Seconded: Ann Krieger
		- Discussion: None
		- Result: Y 38; N 0; A 1
		- Motion passes

**SC THz Closing Report:**

* + Thomas Kürner (TU Braunschweig) presents the SC THz closing report (doc. #[15-25-0056-02](https://mentor.ieee.org/802.15/dcn/25/15-25-0056-02-0thz-sc-thz-closing-plenary-slides-meeting-january-2025.pptx))
	+ Several contributions and work on liaison statements
	+ Presented hardware demonstrations during the week
	+ **SC THz Motion: ITU-R Liaison**
		- Move that 802.15 WG reviews and approves the response to the liaison from ITU-R WP5C in doc. IEEE 802.15-25-0688-05 and forward it to 802.18 TAG for submission to 802 LMSC.
		- Moved: Thomas Kürner
		- Seconded: Ann Krieger
		- Discussion: None
		- Result: Y 36; N 0; A 2
		- Motion passes
	+ **SC THz Motion: ITU-R WP5A and WP5C**
		- Move that 802.15 WG reviews and approves the liaison from ITU-R WP5A and WP5C in doc. IEEE 802.15-25-0689-03 and forward it to 802.18 TAG for submission to 802 LMSC.
		- Moved: Thomas Kürner
		- Seconded: Ann Krieger
		- Discussion: None
		- Result: Y 33; N 0; A 2
		- Motion passes
	+ The next meeting will be in July

**SC-Maintenance Closing Report:**

* + Phil Beecher (Wi-SUN Alliance) presents the SC-Maintenance closing report (doc. #[*15-25-0044-00*](https://mentor.ieee.org/802.15/dcn/25/15-25-0044-00-0mag-scm-agenda-opening-and-closing-report-january-2025.pptx))
	+ Review of JTC1 question and prepared JTC motions
	+ Work on Power Point and Word template
	+ Developed PAR for 802.15.4 Corrigenda
	+ Formed CRG for 16t
	+ **SC-Maintenance Motion: Motion to approve the formation of CRG for TG 16t**
		- Move that 802.15 WG approve the formation of a Comment Resolution Group (CRG) for the SA balloting of the P802.15.16t with the following membership: Tim Godfrey (Chair), Vishal Kalkundrikar, Harry Bims, Tero Kivinen, and Joerg Robert. The 802.15.16t 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: Harry Bims
		- Seconded: Ann Krieger
		- Discussion: None
		- Result: Y 34; N 0; A 2
		- Motion passes
	+ **SC-Maintenance Motion: Motion to Approve 802.15.4-2024 Corrigendum PAR**
		- Move that the PAR contained in document 15-25-0054-01-0mag-par-for-802-15-4-2024-corrigendum-1.pdf 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 and CSD as needed to reflect LMSC discussion at its closing meeting.
		- Moved: Tero Kivinen
		- Seconded: Ann Krieger
		- Discussion: None
		- Result: Y 38; N 0; A 0
		- Motion passes
	+ **SC-Maintenance Motion: Motion to approve comment response to IEC/ISO JTC1/SC6 for 802.15.3**
		- 802.15 WG approves the comment response in document https://mentor.ieee.org/802.15/dcn/25/15-25-0060-00-0mag-response-to-iso-802-15-3-comment.docx and requests 802 LMSC to forward the response to IEC/ISO JTC1 under the PSDO agreement. 802.15WG authorizes the 802.15 WG Chair and Technical Editor to make edits as agreed by 802 LMSC.
		- Moved: Thomas Kürner
		- Seconded: Ann Krieger
		- Discussion: None
		- Result: Y 32; N 0; A 1
		- Motion passes
	+ **SC-Maintenance Motion: IEC/ISO Adoption of IEEE Std 802.15.4-2024 (Information)**
		- Move that the IEEE 802.15 WG requests IEEE 802 LMSC approval to forward submission IEEE Std 802.15.4™-2024 to ISO/IEC JTC1/SC6 for information as an ISO/IEC/IEEE standard under the PSDO agreement.
		- Moved: Ann Krieger
		- Seconded: Tero Kivinen
		- Discussion: None
		- Result: Y 37; N 0; A 1
		- Motion passes
	+ **SC-Maintenance Motion: IEC/ISO Adoption of IEEE Std 802.15.4-2024 (Adoption)**
		- Move that the IEEE 802.15 WG requests IEEE 802 LMSC approval to forward submission IEEE Std 802.15.4™-2024 to ISO/IEC JTC1/SC6 for adoption as an ISO/IEC/IEEE standard under the PSDO agreement.
		- Moved: Ann Krieger
		- Seconded: Tero Kivinen
		- Discussion: None
		- Result: Y 37; N 0; A 1
		- Motion passes

**TG4ab Motion: Motion to approve the formation of CRG**

* + Move that 802.15 WG approve the formation of a Comment Resolution Group (CRG) for the WG balloting of P802.15.4ab with the following membership: Ben Rolfe (chair), Billy Verso, Clint Chaplin, Riku Pirhonen, Mickael Maman, Bin Qian, Alex Krebs, Pooria Pakrooh, Carlos Aldana, Sven Zeisberg and Li-Hsiang Sun. The 802.15.4ab 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: Ben Rolfe
	+ Seconded By: Clint Chaplin
	+ Discussion: None
	+ Result: Y 38; N 0; A 1
	+ Motion passes

**Liaison Reports**

**802.24 Liaison Report:**

* Ben Rolfe (BCA) gives a verbal report.
* Worked on IoT whitepaper
* Discussed updates for smart grid paper

**802.19 Coexistence TAG Liaison Report**

* One active TG, Amendment to 802.19.3 on coexistence recommended practice
* No Coexistence Assessment Documents to Discuss

**802.11 Liaison Report**

* None

**802.18 Liaison Report**

* None

## New Business

* Nothing raised

## Any Other Business

* To keep the voting rights, you have to at least respond to one out of a series of letter ballots
* In case of questions on voting rights, please contact Ann Krieger

## Adjourn

**5:31 PM** The WG Vice-Chair adjourns the meeting.

# 802.15 CAC Mtg.

# Sunday, 12th January 2025

## Attendance (14)

~~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

Harry Bims

## Minutes

**5:40 pm**: WG Vice-Chair, Phil Beecher (Wi-SUN) calls the meeting to order and presented the WG Agenda (doc. #[*15-24-0669-02*](https://mentor.ieee.org/802.15/dcn/24/15-24-0669-02-0000-jan-2025-802-15-agenda.xlsx))

Vice-Chair reminds everybody to check the agenda. Agenda will be updated by Ann Krieger.

Attendance Requirements and Chair Reminders

* Chair reminds everybody of the IEEE policy. The patent slides must be shown in every session. The patent question must be asked in every session and the answer must be documented in the minutes.
* Chair reminds everybody to pay registration fees.
* Attendance of social requires social ticket.

The NesCom/RevCom meetings and the January meeting are listed in on the “2024 & 2025 SABS Dates” table in doc. #[*15-24-0669-02*](https://mentor.ieee.org/802.15/dcn/24/15-24-0669-02-0000-jan-2025-802-15-agenda.xlsx)

Subgroup Status and Objectives for September Interim:

* **SC THz** – Demos and demonstrations during WNG. Work on liaison statements and technical contributions.
* **TG 16t Lic-NB Amendment** – Unexpected SA comments received, CRG call will be scheduled
* **IG Access** – No presentation requests yet. Session will be cancelled
* **TG 4ab UWB-NG Amendment** – Work on comment resolution
* **SC WNG** – Several presentations
* **TG 4ac Privacy Amendment** – Two meetings, going trough pre-letter ballot comments, start of letter ballot planned
* **TG 4ae Ascon Cryptographic Algorithms Amendment** – Waiting for comments from NIST
* **TG 9a EDHOC KMP Amendment** – Start working on draft
* **WG Tech Ed**. – One meeting this week
* **TG 6ma BAN/VAN Revision** – Four sessions, many new participants expected
* **TG 7a OCC Amendment** – One session, form of CRG only agenda item
* **IG NG-OWC** – No meeting planned in Kobe
* **TG 4ad NG-SUN PHYs Amendment** – Several initial proposals
* **SC MAINT/RULES** – ISO comments

AOB:

* The convention center opens at 6:30am and everybody has to leave before 9pm.
* The participants have to clean the meeting rooms themselves.
* The wireless chargers have to be put into the wireless charger after the meeting.
* Ben Rolfe volunteered to be responsible for ANA, has to be confirmed by chair.

**6:18pm** WG chair recessed until Wednesday (8:00-9:00am)

# 802.15 Mid-Week CAC Mtg.

# Wednesday, 14th January 2025

## Attendance (10)

Phil Beecher

Ann Krieger

Ben Rolfe

Tero Kivinen

Clint Chapman

Ryuji Kohno

Christy Bahn

James Gilb

Joerg Robert

Thomas Kürner

## Minutes

**8:00am**: WG Vice-Chair, Phil Beecher (Wi-SUN) calls the meeting to order.

Attendance Requirements and Chair Reminders:

* 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

During the mid-week update, please announce the required room-size and the number of meetings for Atlanta.

Midweek Subgroup Status Updates

* **TG 4ab UWB-NG Amendment –** Resolving comments
* **SC WNG –** Four presentations and technical demonstrations
* **IG Access** – No meeting this week, one slot for IG Access in Atlanta
* **TG 4ac –** Draft is ready and posted in private area, motion to start Letter Ballot
* **TG 4ae/9a –** Technical editor review
* **SC IETF –** No meeting or update in this session
* **TG 4ad –** Initial proposals, bigger room required
* **SC Maintenance –** Update on corrigendum PAR
* **TG 6ma BAN/VAN Revision –** Almost all comments resolved, CRG motion
* **TG 7A OCC –** CRG motion
* **IG NG OWC** – No meeting in Kobe
* **TG 16t Lic-NB Amendment –** No meeting
* **SC THz** – Multiple contributions and liaisons

Any Other Business:

* Discussion on AdHoc meetings, also AdHocs have to have meeting minutes, otherwise they cannot count for Attendance Credit

**8:24am** WG vice-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. |
| Amezawa | Yasuharu | Mobile Techno Corp. |
| Ansley | Carol | IEEE member / Self Employed |
| Anzai | Daisuke | Nagoya Institute of Technology |
| Aoyama | Hideki | Panasonic Corporation |
| Au | Kwok Shum | Huawei Technologies Co.; Ltd |
| Bahn | Christy | IEEE STAFF |
| Baykas | Tuncer | Ofinno |
| 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. |
| Chitrakar | Rojan | Huawei International Pte Ltd |
| Choi | Sangsung | A2UICT |
| Chou | Tzu-Hsuan | Qualcomm |
| Cui | Yaoshen | TP-Link Systems Inc. |
| Davis | Matthew | Allied Telesis; Inc. |
| de Vegt | Rolf | Qualcomm Incorporated |
| Dunna | Manideep | Qualcomm Incorporated; Qualcomm Technologies; Inc |
| Gilb | James | General Atomics Aeronautical Systems; Inc. |
| Golshan | Robert | Apple Inc |
| Gruber | Josef | Infineon Technologies |
| Guo | Jianlin | Mitsubishi Electric Research Laboratories (MERL) |
| Gupta | Pankaj | Texas Instruments (India) Pvt. Ltd.; Texas Instruments Inc. |
| Ha | Taeyoung | Samsung Electronics Co.; Ltd. |
| Hagino | Tatsuo | National Institute of Information and Communications Technology (NICT) |
| Halasz | David | Morse Micro |
| Harada | Hiroshi | National Institute of Information and Communications Technology (NICT) |
| Hirata | Masayuki | Osaka University Graduate School of Medicine; Dept of Neurological Diagnosis and Restoration |
| HOSAKO | IWAO | National Institute of Information and Communications Technology (NICT) |
| Ikegami | Tetsushi | Meiji University |
| Intaravanne | Yuttana | National Electronics and Computer Technology Center |
| Ishihara | Susumu | Shizuoka Univesity; Ministry of Internal Affairs and Communications; Japan |
| Jeffries | Timothy | Futurewei Technologies |
| Jiang | Jinjing | Apple Inc |
| Jones | Vincent Knowles IV | Qualcomm Incorporated; Qualcomm Technologies; Inc |
| Jornet | Josep Miquel | Northeastern University |
| Jungnickel | Volker | Fraunhofer Heinrich Hertz Institute |
| Kabbinale | Aniruddh | SAMSUNG ELECTRONICS |
| Kadampot | Ishaque Ashar | Qualcomm Technologies; Inc. |
| KAJITA | SHUGO | Space-Time Engineering Japan; Inc. |
| Kasamatsu | Akifumi | National Institute of Information and Communications Technology (NICT) |
| Kato | Arata | Space-Time Engineering Japan; Inc. |
| Kawashima | Yuki | Mitsubishi Electric Corporation |
| Kim | Minsoo | YRP International Alliance Institute |
| 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 |
| Kuerner | Thomas | TU Braunschweig |
| Lee | Hong Won | LG ELECTRONICS |
| Lee | Jaegook | SAMSUNG ELECTRONICS |
| Lee | Jihye | Samsung Electronics Co.; Ltd. |
| LEE | Mingyu | Samsung Electronics Co.; Ltd. |
| Leong | Frank | NXP Semiconductors |
| Li | Huan-Bang | National Institute of Information and Communications Technology (NICT) |
| Li | Panpan | Huawei Technologies Co.; Ltd |
| Li | Wenzheng | Calterah Semiconductor Technology (Shanghai) Co.; Ltd. |
| Luo | Xiliang | Apple Inc |
| Ma | Li | MediaTek Inc. |
| Maman | Mickael | STMicroelectronics |
| Matsunoshita | Masahiro | Renesas Electronics Corporation |
| Mohamed Hassan Salem | Nedime Pelin | Cisco Systems; Inc. |
| Morioka | Hitoshi | SRC Software |
| Murray | Carl | Qorvo |
| Nagai | Yukimasa | Mitsubishi Electric Corporation |
| Neirynck | Dries | Ultra Radio Ltd |
| Nomura | Tetsuya | DENSO TEN |
| Ogawa | Hiroyo | National Institute of Information and Communications Technology (NICT) |
| Ogawa | Masakatsu | Sophia University |
| Ohno | Kohei | Meiji University |
| Okuhara | Makoto | Denso Ten Limited |
| Pakrooh | Pooria | Qualcomm Technologies; Inc. |
| Pirhonen | Riku | NXP Semiconductors |
| Portier | Fabrice | Silicon Laboratories |
| QingLiang | shou | ZTE Corporation |
| Qureshi | Haneya | General Motors Company |
| Rattanawan | Patharakorn | National Electronics and Computer Technology Center (NECTEC) |
| Robert | Joerg | FAU Erlangen-Nuernberg / Fraunhofer IIS |
| Rolfe | Benjamin | Blind Creek Associates |
| Rosdahl | Jon | CSR Technologies Inc.; Qualcomm Technologies; Inc |
| Sand | Stephan | German Aerospace Center (DLR) |
| SANGWONGNGAM | PARAMIN | National Electronics and Computer Technology Center (NECTEC) |
| Sasaki | Shigenobu | Niigata University |
| Sato | Takuhiro | SHARP CORPORATION |
| Sawada | Hirokazu | Tohoku University |
| Sayrafian | Kamran | National Institute of Standards and Technology |
| Schmidt | Reinhold | Infineon Technologies |
| Sekine | Norihiko | National Institute of Information and Communications Technology (NICT) |
| Serafimovski | Nikola | pureLiFi |
| Srisuai | Nantarat | National Electronics and Computer Technology Center (NECTEC) |
| Stanley | Dorothy | Aruba Networks; Inc. |
| Stuebing | Gary | Cisco Systems; Inc. |
| Sumi | Takenori | Mitsubishi Electric Corporation |
| Sun | Li-Hsiang | MediaTek Inc. |
| Suzuki | Takafumi | NICT |
| Takabayashi | Kento | Toyo University |
| Takahashi | Kazuaki | National Institute of Information and Communications Technology (NICT) |
| Takai | Mineo | Space-Time Engineering |
| Takayama | Yasuyuki | Allied Telesis; Inc. |
| TAKEWA | TOMOAKI | Mitsubishi Electric Corporation |
| Tang | Weidong | NewRadio Techologies Co.; Ltd. |
| Tian | Bin | Qualcomm Incorporated |
| Tsunoda | Shunichi | Allied Telesis K.K. |
| Umeda | Shusaku | Mitsubishi Electric Corporation |
| Uno | Masanori | e-trees.Japan;inc |
| van der Geest | Dinah | Article 19 |
| Verma | Lochan | Apple Inc |
| Verso | Billy | Qorvo |
| Wang | Pu | Mitsubishi Electric Research Laboratories (MERL) |
| Wang | Yi-Hsiu | Calterah |
| Wendt | Matthias | Signify |
| Xiao | Libra | NewRadio Technology Co.; Ltd. |
| Yamada | Ryota | SHARP CORPORATION |
| Yang | Shang-Te | Apple Inc |
| Yang | Xun | Huawei Technologies Co.; Ltd |
| Yee | Peter | NSA-CSD |
| Yoshitake | Hiroaki | DENSO TEN Limited |
| Zakaib | Larry | SPARK Microsystems |
| Zeisberg | Sven | ZIGPOS GmbH |
| Zuniga | Juan Carlos | Cisco Systems; Inc. |