**IEEE 802.15**

**Wireless Specialty Networks (WSN)**

|  |  |  |
| --- | --- | --- |
| Project | IEEE 802.15 Working Group for Wireless Specialty Networks (WSN) | |
| Title | **IEEE 802.15 TG 4ab (NG-UWB) minutes** | |
| Date Submitted | [25 July, 2025] | |
| Source | [Panpan Li, Rojan Chitrakar] [Huawei] [Singapore] | Voice: [] Fax: [--] E-mail: [lipanpan25@huawei.com] |
|  |  |  |
| Re: | [2025 May 802.15 Interim Meeting held in Hybrid Mode] | |
| Abstract | [IEEE 802.15 Task Group 4ab minutes] | |
| Purpose | [Official minutes of IEEE 802.15 TG 4ab] | |
| Notice | This document has been prepared to assist the IEEE 802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. | |
| Release | The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by 802.15. | |

# Monday, 12 May, 2025 – PM1

**Opening**

**1:30 PM EST** Chair, Ben Rolfe (Blind Creek Associates), called the meeting to order and opened the TG Agenda.  
(*15-25-0223-00-04ab*)

* >20 attendees joined the meeting

Chair introduced the hybrid meeting logistics.

Chair reminded the group of registration for 802 LMSC and wireless interim.

## Legal

Chair reminded the group of the following from the 802.15 opening meeting:

* IEEE-SA patent policy
* Submission of Letter(s) 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
* IEEE Anti-Trust statement
* IEEE Copyright Policy, including Code of Ethics

**Announcements**

Chair announced the agenda doc. *#15-25-0190-03-04ab* for the week. There were several requests on the time slots for presentations. The agenda was updated to doc. *#15-25-0190-04-04ab.* There was no further discuss on the agenda. It was passed with unanimous consent.

Chair reviewed the plans and objectives of this week.

Vice Chair reviewed the comment submission progress and summary.

Editor reviewed the editorial comments.

Chair raised the motion of minutes for Mar plenary *(doc. # 15-25-0176-00-04ab)* and telecons between Mar and May 2025 *(doc. # 15-25-0205-00-04ab)*. No discussion heard.

No one objected to approve the minutes.

**TG Meeting Activity**

Using the agenda *(doc. # 15-25-0190-04ab)* Chair proceeded with running the meeting.

Rojan Chitrakar (Huawei) presented “CRs for Status fields and Long term parameters updates - 12 CIDs”

(*doc. # 15-25-0209-00-04ab*)

There was no objection to the comment resolutions as in *doc. # 15-25-0209-00-04ab.*

Rojan Chitrakar (Huawei) presented “CRs for Miscellaneous MMS Comments - 4 CIDs”

(*doc. # 15-25-0210-00-04ab*)

There was no objection to the comment resolutions as in *doc. # 15-25-0210-00-04ab.*

Rojan Chitrakar (Huawei) presented “CRs for CIR Report - 1 CID”

(*doc. # 15-25-0211-00-04ab*)

There was no objection to the comment resolutions as in *doc. # 15-25-0211-00-04ab.*

Alex Krebs (Apple) presented “LB213/D02 comment resolution -- Handling of TX/RX of compact frames -- CIDs 51, 52, 320”

(*doc. # 15-25-0226-00-04ab*)

There was no objection to the comment resolutions as in *doc. # 15-25-0226-00-04ab.*

Alex Krebs (Apple) proposed to accept comment CID 148, 62.

There was no objection to the proposed comment resolutions

there were some discussions regarding breakout sessions.

Chair recessed the mtg. @ 3:27PM EST, until Mon. PM2.

# Monday, 12 May, 2025 – PM2

**Opening**

**3:30 PM EST** Chair, Ben Rolfe (Blind Creek Associates), called the meeting to order and opened the TG Agenda.  
(*15-25-0223-00-04ab*)

* >20 attendees joined the meeting

Chair introduced the hybrid meeting logistics.

Chair reminded the group of registration for 802 LMSC and wireless interim.

## Legal

Chair reminded the group of the following from the 802.15 opening meeting:

* IEEE-SA patent policy
* Submission of Letter(s) 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
* IEEE Anti-Trust statement
* IEEE Copyright Policy, including Code of Ethics

**TG Meeting Activity**

Using the agenda (doc. # 15-2425-0190-04-04ab) Chair proceeded with running the meeting.

Hongwon Lee (LGE) presented “Proposed Resolutions-MMS Public part1”

(*doc. # 15-25-0206-00-04ab*)

Hongwon will revise the disposition of 550 to Reject and bring back as r1.

Hongwon Lee (LGE) presented “Proposed Resolutions-MMS Public part2”

(*doc. # 15-25-0207-00-04ab*)

There was no objection to the comment resolutions as in *doc. # 15-25-0207-00-04ab.*

Hongwon Lee (LGE) presented “Proposed Resolutions-Bitmap-based-Block-Scheduling”

(*doc. # 15-25-0208-00-04ab*)

There was no objection to the comment resolutions as in *doc. # 15-25-0208-00-04ab.*

Mickael (STM) presented “proposed resolution for MMS without report”

(*doc. # 15-25-0224-00-04ab*)

Some discussions on the motivation, technical feasibility and need for the new modes.

Mickael: Motivation is to save power.

A request was made for more time to review the proposal.

Hongwon Lee (LGE) presented “Proposed Resolutions-MMS Public part1”

(*doc. # 15-25-0206-01-04ab*)

There was no objection to the comment resolutions as in *doc. # 15-25-0206-01-04ab.*

Alex Krebs (Apple) presented “LB213/D02 comment resolution -- Note on MessageContent subfields -- CIDs 284, 328” (*doc. # 15-25-0233-00-04ab*)

Alex modified the resolution for CID 284 to revised and uploaded r1.

There was no objection to the comment resolutions as in *doc. # 15-25-0233-01-04ab.*

Chair recessed the meeting at 5.30pm till 13 May AM1.

# Tuesday, 13 May, 2025 – AM1

**Opening**

**8:00 AM EST** Chair, Ben Rolfe (Blind Creek Associates), called the meeting to order and opened the TG Agenda.  
(*15-25-0223-01-04ab*)

* >20 attendees joined the meeting

Chair introduced the hybrid meeting logistics.

Chair reminded the group of registration for 802 LMSC and wireless interim.

## Legal

Chair reminded the group of the following from the 802.15 opening meeting:

* IEEE-SA patent policy
* Submission of Letter(s) 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
* IEEE Anti-Trust statement
* IEEE Copyright Policy, including Code of Ethics

**TG Meeting Activity**

Using the agenda (*doc. # 15-2425-0190-07-04ab*) Chair proceeded with running the meeting.

Huan-Bang Li (NICT, Japan) presented “Proposed Resolutions for D02 CIDs 123 and 135”

(*doc. # 15-25-0220-00-04ab*)

There was no objection to the comment resolutions as in *doc. # 15-25-0220-00-04ab.*

Jinjing Jiang (Apple Inc.) presented “one-to-many CIDs in D02”

(*doc. # 15-25-0213-01-04ab*)

Some updates are needed.

Rojan Chitrakar (Huawei) presented “LB213 - CRs for MMS SMC TLVs”

(*doc. # 15-25-0234-00-04ab*)

There was no objection to the comment resolutions as in *doc. # 15-25-0234-00-04ab.*

Chair recessed the meeting at 3.15 AM till 13 May AM2.

# Tuesday, 13 May, 2025 – AM2

This is a breakout session.

# Tuesday, 13 May, 2025 – PM2

This is an ad hoc session led by Riku Pirhonen (NXP).

There were some discussions regarding some comments.

# Wednesday, 14 May, 2025 – AM1.5

**Opening**

**9:00 AM EST** Chair, Ben Rolfe (Blind Creek Associates), called the meeting to order and opened the TG Agenda.  
(*15-25-0223-01-04ab*)

* >20 attendees joined the meeting

Chair introduced the hybrid meeting logistics.

Chair reminded the group of registration for 802 LMSC and wireless interim.

## Legal

Chair reminded the group of the following from the 802.15 opening meeting:

* IEEE-SA patent policy
* Submission of Letter(s) 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
* IEEE Anti-Trust statement
* IEEE Copyright Policy, including Code of Ethics

**TG Meeting Activity**

Chair announced the agenda doc. *#15-25-0190-07-04ab* for the week. There were several requests on the time slots for presentations. The agenda was updated to doc. *#15-25-0190-08-04ab.* There was no further discuss on the agenda. It was passed with unanimous consent.

Using the agenda (doc. # 15-2425-0190-08-04ab) Chair proceeded with running the meeting.

Jinjing Jiang (Apple Inc.) updated “one-to-many CIDs in D02”

(*doc. # 15-25-0213-02-04ab*)

There was no objection to the comment resolutions as in *doc. # 15-25-0213-02-04ab.*

Mickael Maman (STMicroelectronics) presented “Proposed resolution for RCM related comments: CIDs 353 and 354”

(*doc. # 15-25-0246-00-04ab*)

There was no objection to the comment resolutions as in *doc. # 15-25-0246-00-04ab.*

Billy Verso (Qorvo) presented “A modified Compact frame encoding”

(*doc. # 15-25-0229-00-04ab*)

There were some discussions. Alex expressed concerns of proposed changes. Billy encouraged group to take more time to think about the corresponding comment.

Chair recessed the meeting at 1:30 PM till 14 May PM1.

# Wednesday, 14 May, 2025 – PM1

**Opening**

**1:30 PM EST** Chair, Ben Rolfe (Blind Creek Associates), called the meeting to order and opened the TG Agenda.  
(*15-25-0223-01-04ab*)

* >20 attendees joined the meeting

Chair introduced the hybrid meeting logistics.

Chair reminded the group of registration for 802 LMSC and wireless interim.

## Legal

Chair reminded the group of the following from the 802.15 opening meeting:

* IEEE-SA patent policy
* Submission of Letter(s) 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
* IEEE Anti-Trust statement
* IEEE Copyright Policy, including Code of Ethics

**TG Meeting Activity**

Chair announced the agenda (*doc.* *#15-25-0190-09-04ab)* for the week. There were several requests on the time slots for presentations. The agenda was updated to *doc.* *#15-25-0190-010-04ab.* There was no further discuss on the agenda. It was passed with unanimous consent.

Using the agenda (doc. *# 15-2425-0190-10-04ab*) Chair proceeded with running the meeting.

Larry Zakaib (Spark Microsystems) updated “Draft 2.0 CIDs 225, 658, 663 Proposed Resolutions”

(*doc. # 15-25-0214-01-04ab*)

There were some discussions. Editor and Larry will update the document offline.

Riku Pirhonen (NXP) presented “Resolutions-to-14-CIDs”

(*doc. # 15-25-0258-00-04ab*)

There were some discussions.

Regarding CID 234, Pooria need more time to consider of the proposed resolution. More offline discussions are needed.

Regarding CID 311, Pooria proposed concerns on the proposed resolution (rejected). More offline discussions are needed.

Riku will remove three CIDs without consensus yet and the document will be updated to *doc. # 15-25-0258-00-04ab.* There was no objection to the comment resolutions as in *doc. # 15-25-0258-01-04ab.*

Tero Kivinen (Wi-SUN Alliance) presented “Alternate proposal to replace compact frames”

(*doc. # 15-25-0173-01-04ab*)

There were some discussions.

Rojan had questions on the motivation of reusing existing frame frameworks. More offline discussions are needed.

Mickael Maman (STMicroelectronics) presented “presentation supporting DCN224”

(*doc. # 15-25-0261-00-04ab*)

There were some discussions. More offline discussions are needed.

Chair recessed the meeting at 10:30 AM till 15 May PM1.

# Wednesday, 14 May, 2025 – PM2

This is an ad hoc session led by Pooria Pakrooh (Qualcomm).

* ~50 attendees joined the meeting.

Pooria Pakrooh (Qualcomm) presented “Discussions on NB Channel Access Comments on D2.0”

(*doc. # 15-25-0xxx-00-04ab*)

This document is not loaded to mentor.

Menzo Wentink (Qualcomm) presented “NB with LBT”

(*doc. # 11-23-1279-00-04ab*)

There were some discussions.

Carlos Aldana (Meta) presented “Towards NB Channel Access Convergence”

(*doc. # 15-25-0248-00-04ab*)

There were some discussions.

# Thursday, 15 May, 2025 – AM2

**Opening**

**10:30 AM EST** Chair, Ben Rolfe (Blind Creek Associates), called the meeting to order and opened the TG Agenda.  
(*15-25-0223-01-04ab*)

* >20 attendees joined the meeting

Chair introduced the hybrid meeting logistics.

Chair reminded the group of registration for 802 LMSC and wireless interim.

## Legal

Chair reminded the group of the following from the 802.15 opening meeting:

* IEEE-SA patent policy
* Submission of Letter(s) 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
* IEEE Anti-Trust statement
* IEEE Copyright Policy, including Code of Ethics

**TG Meeting Activity**

Chair announced the agenda (*doc.* *#15-25-0190-10-04ab)* for the week. There were several requests on the time slots for presentations. The agenda was updated to *doc.* *#15-25-0190-011-04ab.* There was no further discuss on the agenda. It was passed with unanimous consent.

Using the agenda (doc. *# 15-2425-0190-11-04ab*) Chair proceeded with running the meeting.

Billy Verso (Qorvo) presented “D02 Miscellaneous Comment Resolutions II”

(*doc. # 15-25-0230-00-04ab*)

There were some discussions.

Regarding CID 312, group prefer to reject this comment.

With some changes, the document will be updated to *doc. # 15-25-0230-01-04ab.*

There was no objection to the comment resolutions as in *doc. # 15-25-0230-01-04ab.*

Youngwan So (SAMSUNG Elec.) presented “Some miscell comment resolutions : 169, 265, 405, 408, 572”

(*doc. # 15-25-0254-01-04ab*)

There was no objection to the comment resolutions as in *doc. # 15-25-0254-01-04ab.*

Pooria Pakrooh (Qualcomm) gave the report of breakout session happened on Wednesday PM2. Three presentations are presented, while no proposed resolutions to those comments regarding channel access are agreed on. Pooria noted that providing a definitive schedule would be challenging but recommended continuing with the comment resolution process and offering more specific proposals in the meantime.

Chair recessed the meeting at 2:40 PM till 15 May PM1.

# Thursday, 15 May, 2025 – PM1

**Opening**

**1:30 PM EST** Chair, Ben Rolfe (Blind Creek Associates), called the meeting to order and opened the TG Agenda.  
(*15-25-0223-01-04ab*)

* >20 attendees joined the meeting

Chair introduced the hybrid meeting logistics.

Chair reminded the group of registration for 802 LMSC and wireless interim.

## Legal

Chair reminded the group of the following from the 802.15 opening meeting:

* IEEE-SA patent policy
* Submission of Letter(s) 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
* IEEE Anti-Trust statement
* IEEE Copyright Policy, including Code of Ethics

**TG Meeting Activity**

Chair announced the agenda (*doc.* *#15-25-0190-11-04ab)* for the week. There were several requests on the time slots for presentations. The agenda was updated to *doc.* *#15-25-0190-012-04ab.* There was no further discuss on the agenda. It was passed with unanimous consent.

Using the agenda (doc. *# 15-2425-0190-10-04ab*) Chair proceeded with running the meeting.

Larry Zakaib (Spark Microsystems) presented the updates of “Draft 2.0 CIDs 225, 658, 663 Proposed Resolutions”

(*doc. # 15-25-0214-02-04ab*)

Accepted .

Mickael Maman (STMicroelectronics) presented “presentation supporting DCN224”

(*doc. # 15-25-0267-01-04ab*)

There were some discussions. More offline discussions are needed.

Chair recessed the meeting at 3:30 PM.