**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **<802.15 TG4ab (NG-UWB) Conf. Call Mins. Sep. to Nov. 2024>** |
| Date Submitted | [7 Nov, 2024] |
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| Re: | [802.15 TG4ab Conf. Call Mins] |
| Abstract | [Official Minutes of the Call] |
| Purpose | [Record the main points of the call] |
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 **802.15 TG4ab (NG-UWB) Conf. Call Minutes**

**between Sep. and Nov. 2024 Mtgs.**

# Tuesday, 24 Sep 2024

**Opening**

**9:01 AM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order.

**Minutes**

~15 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-24-0548-00, the Chair conducted the following business:

* Opening
* Reviewed IEEE Patent Policy
	+ Made call for claims with no responses
* Reviewed IEEE SA Participation Policy
* Reviewed IEEE SA Copyright Policy
* Reviewed 802 Rules

**Announcement**

Chair reviewed the proposed agenda (doc. # 15-24-0547-00). There were several presentation requests to change the agenda. There was no objection to the updated agenda (doc. # 15-24-0547-01). It was approved with unanimous consent.

Vice Chair Clint Chaplin (Samsung) and Editor Billy Verso (Qorvo) reviewed the status quo of comments.

Kangjin Yoon (Spark) presented “Proposed Resolution for Bitmap-based Slot Scheduling”

(doc. # 15-24-0504-01)

There was no objection to comment resolutions in doc. # 15-24-0504-01

Rojan Chitrakar (Huawei) presented the updates in “Proposed Resolutions for common message fields”

(doc. # 15-24-0505-01)

There was no objection to comment resolutions in doc. # 15-24-0505-01

Rojan Chitrakar (Huawei) presented “Proposed Resolution for Hyper-block comments - Part2”

(doc. # 15-24-0550-00)

There were some editorial changes based on comments.

There was no objection to comment resolutions in doc. # 15-24-0550-01

Alexander Krebs (Apple) presented “LB207/D01 comment resolution -- Revise -- CIDs 74, 76, 77, 78, 243, 244, 514, 546, 653, 654, 661, 662, 663, 929, 1000, 1005, 1006, 1007, 1009, 1010, 1011, 1135, 1136, 1213, 1374, 1375, 1395”

(doc. # 15-24-0514-00)

Chair recessed the call @10:01am ET until 6pm, 26 Sep ET.

# Thursday, 26 Sep 2024

**Opening**

**6:02 PM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order

**Minutes**

~25 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-24-0548-01, the Chair conducted the following business:

* Opening
* Reviewed IEEE Patent Policy
	+ Made call for claims with no responses
* Reviewed IEEE SA Participation Policy
* Reviewed IEEE SA Copyright Policy
* Reviewed 802 Rules

**Announcement**

Chair reviewed the proposed agenda (doc. # 15-24-0547-01). There was no objection to the agenda.

Alex Krebs (Apple) presented “LB207/D01 comment resolution -- Revise -- CIDs 74, 76, 77, 78, 243, 244, 514, 546, 653, 654, 661, 662, 663, 929, 1000, 1005, 1006, 1007, 1009, 1010, 1011, 1135, 1136, 1213, 1374, 1375, 1395”

(doc. # 15-24-0514-01)

Discussion on the resolutions.

Xiliang Luo (Apple) presented “Proposed Resolutions for CID 93, 174, etc.”

(doc. # 15-24-0452-02)

There was no objection to the comment resolutions as in doc. # 15-24-0452-02.

Billy Verso (Qorvo) presented “UWB packet format configuration”

(doc. # 15-24-0552-00)

Discussion on the resolutions.

Chair recessed the call @7:00pm ET until 9am, 1 Oct, ET.

# Tuesday, 1 Oct 2024

**Opening**

**9:02 AM ET** 802.15 TG4ab Vice Chair, Clint Chaplin (Samsung), called the meeting to order.

**Minutes**

22 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-24-0548-02, the Vice Chair conducted the following business:

* Opening
* Reviewed IEEE Patent Policy
	+ Made call for claims with no responses
* Reviewed IEEE SA Participation Policy
* Reviewed IEEE SA Copyright Policy
* Reviewed 802 Rules

**Announcement**

Vice Chair reviewed the proposed agenda (doc. # 15-24-0547-03). There was no discussion on the agenda.

Alex Krebs (Apple) presented the updates in “LB207/D01 comment resolution -- Revise -- CIDs 74, 76, 77, 78, 243, 244, 514, 546, 653, 654, 661, 662, 663, 929, 1000, 1005, 1006, 1007, 1009, 1010, 1011, 1135, 1136, 1213, 1374, 1375, 1395”

(doc. # 15-24-0514-03)

There was no objection to the comment resolutions as in doc. # 15-24-0514-03.

Alex Krebs (Apple) presented “LB207/D01 comment resolution -- MAC variable ranges -- CIDs 74, 76, 77, 78, 661, 662, 663, 1006, 1007, 1009, 1010, 1374, 1375”

(doc. # 15-24-0555-01)

Discussion on the resolutions.

There was no objection to the comment resolutions as in doc. # 15-24-0555-02.

Alex Krebs (Apple) presented his changes to Billy’s doc “UWB packet format configuration” (doc. # 15-24-0553-00).

Billy Verso (Qorvo) presented his updates in “UWB packet format configuration” (doc. # 15-24-0552-01)

Discussion on the competing proposals.

Vice Chair recessed the call @10:04am ET until 6pm 3 Oct, ET.

# Thursday, 3 Oct 2024

**Opening**

**6:02 PM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order

**Minutes**

22 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-24-0548-02, the Vice Chair conducted the following business:

* Opening
* Reviewed IEEE Patent Policy
	+ Made call for claims with no responses
* Reviewed IEEE SA Participation Policy
* Reviewed IEEE SA Copyright Policy
* Reviewed 802 Rules

**Announcement**

Vice Chair reviewed the proposed agenda (doc. # 15-24-0547-03). There was no discussion on the agenda.

Carl Murray (Qorvo) presented “Draft 1 comment resolutions”

(doc. # 15-24-0518-01)

There was no objection to the comment resolutions as in doc. # 15-24-0518-01.

Billy Verso (Qorvo) presented “Sensing MSC and description”

(doc. # 15-24-0557-00)

There was no objection to the comment resolutions as in doc. # 15-24-0557-00.

Vice Chair recessed the call @6:54pm ET until 9am 8 Oct, ET.

# Tuesday, 8 Oct 2024

**Opening**

**9:02 AM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order

**Minutes**

22 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-24-0548-03, the Vice Chair conducted the following business:

* Opening
* Reviewed IEEE Patent Policy
	+ Made call for claims with no responses
* Reviewed IEEE SA Participation Policy
* Reviewed IEEE SA Copyright Policy
* Reviewed 802 Rules

**Announcement**

Vice Chair reviewed the proposed agenda (doc. # 15-24-0547-04). There was no discussion on the agenda.

Clint went through 24-0371r20 to review the status of some contributions.

The group discussed the packet format related comments.

Vice Chair recessed the call @9:50am ET until 6pm 10 Oct, ET.

# Thursday, 10 Oct 2024

**Opening**

**6:02 PM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order

**Minutes**

>20 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-24-0548-05, the Chair conducted the following business:

* Opening
* Reviewed IEEE Patent Policy
	+ Made call for claims with no responses
* Reviewed IEEE SA Participation Policy
* Reviewed IEEE SA Copyright Policy
* Reviewed 802 Rules

**Announcement**

Chair reviewed the proposed agenda (doc. # 15-24-0547-05). There was no discussion on the agenda.

Xiliang Luo (Apple) presented “Proposed Resolutions for CID 279, 885, etc.”

(doc. # 15-24-0490-00)

Some updates were needed based on discussion.

Wenzheng Li (Calterah Semiconductor) presented “Proposed resolution for CID 187”

(doc. # 15-24-0470-00)

Wenzhen was going to work with Billy offline to improve the text in the next version.

Vice Chair recessed the call @6:50pm ET until 9am 15 Oct, ET.

# Tuesday, 15 Oct 2024

**Opening**

**9:02 AM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order.

**Minutes**

>25 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-24-0548-05, the Chair conducted the following business:

* Opening
* Reviewed IEEE Patent Policy
	+ Made call for claims with no responses
* Reviewed IEEE SA Participation Policy
* Reviewed IEEE SA Copyright Policy
* Reviewed 802 Rules

**Announcement**

Chair reviewed the proposed agenda (doc. # 15-24-0547-06). There was no objection heard.

There was no objection to the comment resolutions as in doc. # 15-24-0490-01.

Billy Verso (Qorvo) discussed with people on related primitives in Table 12-8 of P802-15-04me. (doc. # 15-24-0552-01)

Riku Pirhonen (NXP) presented “Non-interleaved MMS comment resolution”

(doc. # 15-24-0532-01)

Riku planed to come back in the next week.

Chair recessed the call @10:02am ET until 6pm 17 Oct, ET.

# Thursday, 17 Oct 2024

**Opening**

**6:02 PM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order.

**Minutes**

>25 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-24-0548-06, the Chair conducted the following business:

* Opening
* Reviewed IEEE Patent Policy
	+ Made call for claims with no responses
* Reviewed IEEE SA Participation Policy
* Reviewed IEEE SA Copyright Policy
* Reviewed 802 Rules

**Announcement**

Chair reviewed the proposed agenda (doc. # 15-24-0547-07). There was no objection heard.

Kangjin Yoon (Spark Microsystems) presented “Proposed resolution for Discovery”

(doc. # 15-24-0411-03)

There was no objection to the comment resolutions as in doc. # 15-24-0411-03.

Vinod Kristem (Apple) presented “HCS generation for Dynamic PHR”

(doc. # 15-24-0558-01)

Vinod Kristem (Apple) presented “Proposed text to clarify the HCS generation for dyamic data mode PHR”

(doc. # 15-24-0559-01)

The document was updated to doc. # 15-24-0559-02 based on comments.

There was no objection to the comment resolutions as in doc. # 15-24-0559-02.

Vice chair Clint Chaplin (Samsung) went through comments that are not resolved.

Chair recessed the call @7:00pm ET until 9am 22 Oct, ET.

# Tuesday, 22 Oct 2024

**Opening**

**9:02 AM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order.

**Minutes**

>15 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-24-0548-06, the Chair conducted the following business:

* Opening
* Reviewed IEEE Patent Policy
	+ Made call for claims with no responses
* Reviewed IEEE SA Participation Policy
* Reviewed IEEE SA Copyright Policy
* Reviewed 802 Rules

**Announcement**

Chair reviewed the proposed agenda (doc. # 15-24-0547-09). There was no objection heard.

Panpan Li (Huawei) presented “draft 1.0 comment resolution cids 1000 929 1395 514 546”

(doc. # 15-24-0562-01)

There was no objection to the comment resolutions as in doc. # 15-24-0562-01.

Vice chair Clint Chaplin (Samsung) went through comments that are not resolved.

(doc. # 15-24-0371-23)

Discussion on the schedule of next meetings.

Chair recessed the call @9:39am ET until 6pm 24 Oct, ET.

# Thursday, 24 Oct 2024

**Opening**

**6:02 PM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order.

**Minutes**

>20 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-24-0548-07, the Chair conducted the following business:

* Opening
* Reviewed IEEE Patent Policy
	+ Made call for claims with no responses
* Reviewed IEEE SA Participation Policy
* Reviewed IEEE SA Copyright Policy
* Reviewed 802 Rules

**Announcement**

Chair reviewed the proposed agenda (doc. # 15-24-0547-10). There was no objection heard.

Vice chair Clint Chaplin (Samsung) went through comments in doc. # 15-24-0371-23.

Chair proposed to skip the calls on Oct 29 and 31. No objection heard. Chair planned to announce the final result in the reflector.

Chair recessed the call @6:28pm ET.

# Tuesday, 5 Nov 2024

**Opening**

**9:02 AM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order.

**Minutes**

>20 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-24-0548-08, the Chair conducted the following business:

* Opening
* Reviewed IEEE Patent Policy
	+ Made call for claims with no responses
* Reviewed IEEE SA Participation Policy
* Reviewed IEEE SA Copyright Policy
* Reviewed 802 Rules

**Announcement**

Chair reviewed the proposed agenda (doc. # 15-24-0547-11). There was no objection heard.

Larry Zakaib (Spark Microsystems) presented updates in “Draft 1.0 Proposed LE PHY Comments Resolution CID 856”

(doc. # 15-24-0563-01)

There was no objection to the comment resolutions as in doc. # 15-24-0563-01.

Wenzheng Li (Calterah Semiconductor) presented updates in “Proposed resolution for CID 187”

(doc. # 15-24-0470-01)

There was a request to present the alternative resolution to the same comment.

Riku Pirhonen (NXP Semiconductors) presented “Comment resolution - 31, 40, 137, 957, 1400, 958, 671, 963”

(doc. # 15-24-0576-00)

Wenzheng and Riku would check the resolution offline.

Vice chair Clint Chaplin (Samsung) went through editorial comments with Editor Billy Verso (Qorvo) in doc. # 15-24-0371-25.

Panpan Li (Huawei) presented “draft 1.0 comment resolution cids 965-1421-1422-1278”

(doc. # 15-24-0578-00)

There was no objection to the comment resolutions as in doc. # 15-24-0578-00.

Chair went through the schedule for telecon.

Chair recessed the call @10:03am ET until 6pm 7 Nov, ET.

# Thursday, 7 Nov 2024

**Opening**

**6:02 PM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order.

**Minutes**

>20 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-24-0548-08, the Chair conducted the following business:

* Opening
* Reviewed IEEE Patent Policy
	+ Made call for claims with no responses
* Reviewed IEEE SA Participation Policy
* Reviewed IEEE SA Copyright Policy
* Reviewed 802 Rules

**Announcement**

Chair reviewed the proposed agenda (doc. # 15-24-0547-12). There was no objection heard.

Hongwon Lee (LG) presented “Proposed Resolution for MMS - Public part 2”

(doc. # 15-24-0569-01)

There was no objection to the comment resolutions as in doc. # 15-24-0569-01.

Panpan Li (Huawei) presented “Draft 1.0 comment resolution\_frequency stitching”

(doc. # 15-24-0579-00)

Need more discussion.

Chair reminded that there will be coexistence meeting between 802.11 and 802.15 next week.

Chair adjourned the call @7:00pm ET.