**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |  |
| --- | --- | --- |
| 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] | |
| Source | [David Xun Yang] [] [Bantian, Shenzhen, China] | Voice: [+86.159.1411.7462] Fax: [--] E-mail: [david.yangxun@huawei.com] |
|  | [Bin Qian] [Huawei] [Bantian, Shenzhen, China] | Voice: [+86.184.7639.7450] Fax: [--] E-mail: [qianbin14 @huawei.com] |
| Re: | [802.15 TG4ab Conf. Call Mins] | |
| Abstract | [Official Minutes of the Call] | |
| Purpose | [Record the main points of the call] | |
| Notice | This document has been prepared to assist the IEEE P802.15. 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 P802.15. | |

**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.