**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. Jul to Sep. 2022>** | |
| Date Submitted | [26 Jul, 2022] | |
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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 Jul and Sep. Mtgs.**

# Tuesday, 26 Jul 2022

**Opening**

**9:05 AM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order

**Minutes**

~35 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-22-0472-00, 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. There was no further discussion. There was no objection to the agenda. It passed with unanimous consent.

Chair reviewed the schedule milestones. No questions/comments heard.

Kangjin Yoon (Meta) recapped “Inter Frame Spacing for HRP UWB PHY”

(*doc. # 15-22-0369-00*)

**Strawpoll**: Which option do you prefer for the choice of AIFS:

* 1. Option 1: Use legacy IFS values
  2. Option 2: Find new fixed IFS values
  3. Option 3: Have different IFS values for different PHY usage
  4. Option 4: Make IFS values negotiable
  5. Abstain

Results: Opt 1: 0, Opt 2:17, Opt 3:1, Opt 4: 8

Chair reviewed the map of topic areas and volunteer list.

Chair reviewed the conference call schedule.

Chair asked if there is any other business to discuss. No request heard.

Chair adjourned the call @ 9:41am ET.

# Tuesday, 2 Aug 2022

**Opening**

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

**Minutes**

~30 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-22-0436-00, 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. There was no further discussion. There was no objection to the agenda. It passed with unanimous consent.

Chair reviewed the schedule milestones. No questions/comments heard.

Chair checked with some presenters on their progress of offline discussions and asked for questions.

* Questions for Huan-Bang on NB CCA
* Questions for Rani (# fragments, I impact on power)
* Impact of interference on link margin assumptions

Chair reviewed the map of topic areas and volunteer list.

Chair reviewed the conference call schedule.

Chair asked if there is any other business to discuss. No request heard.

Chair adjourned the call @ 9:32am ET.

# Tuesday, 16 Aug 2022

**Opening**

**9:06 AM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order.

**Minutes**

~30 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-22-0439-00, 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. There was no further discussion. There was no objection to the agenda. It passed with unanimous consent.

Chair reviewed the schedule milestones. No questions/comments heard.

Chair and editor Billy Verso (Qorvo) clarified the documents of TFD and Draft, introduced their thoughts on how to move forward.

Chair reviewed the schedule of Sep meeting. Discussions on moving the morning sessions to the evenings.

Chair reviewed the conference call schedule.

Chair asked if there is any other business to discuss. No request heard.

Chair adjourned the call @ 9:32am ET.

# Tuesday, 23 Aug 2022

**Opening**

**9:05 AM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order.

**Minutes**

~40 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-22-0443-00, 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. There was no further discussion. There was no objection to the agenda. It passed with unanimous consent.

Chair reviewed the schedule milestones, goals for Draft 0 and draft steps. No questions/comments heard.

Vinod Kristem (Apple) presented “Simulation Framework for Recommending Preambles for 4ab”

(*doc. # 15-22-0446-01*)

This presentation discusses evaluation framework and simulation results for preamble sequences.

Questions/comments raised include results with limited set of Golay pairs, autocorrelation evaluation, applicability of Monte Carlo simulations, and common framework.

Chair reminded that only two conference calls are left before Sep interim. Chair also encouraged people to request timeslots for Sep interim.

Chair asked if there is any other business to discuss. No request heard.

Chair adjourned the call @ 10:03am ET.

# Tuesday, 30 Aug 2022

**Opening**

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

**Minutes**

~40 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-22-0443-00, 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. There was no further discussion. There was no objection to the agenda. It passed with unanimous consent.

Chair reviewed the schedule milestones. No questions/comments heard.

Claudio da Silva (Meta) presented “4ab Channelization Discussion - Continuation”

(*doc. # 15-22-0444-00*)

This presentation discusses potential channel plans that take advantage of a potential extension of the UWB band beyond 10.6 GHz in certain regulatory domains.

Igor Dotlic (Qorvo) presented “Supercomplementary Zero-sum Cross-correlation (SZC) Code Blocks Generation”

(*doc. # 15-22-0449-00*)

This presentation promotes usage of SZC code blocks in IEEE 802.15.4ab standard.

Chair showed that there are 10 requests received and reminded that only one conference call is left before Sep interim. The key dates are Sep 2 and Sep 9, which are for presentation requests and presentation posted, respectively.

Chair asked if there is any other business to discuss. No request heard.

Chair adjourned the call @ 10:00am ET.

# Tuesday, 6 Sep 2022

**Opening**

**9:05 AM ET** 802.15 TG4ab Chair, Ben Rolfe (BCA), called the meeting to order.

**Minutes**

~40 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-22-0453-00, 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. There was no further discussion. There was no objection to the agenda. It passed with unanimous consent.

Chair reviewed the schedule milestones. No questions/comments heard.

Chair reviewed the agenda for Sep interim sessions. There were some more requests received on-line. The updates are included in r2.

Chair asked if there is any other business to discuss. WG chair Clint Powell (Meta) introduced the celebration activities next week.

Chair adjourned the call @ 9:48am ET.