**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. 2022>** |
| Date Submitted | [13 Nov, 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 Sep and Nov. Mtgs.**

# Tuesday, 27 Sep 2022

**Opening**

**9:04 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. # 15-22-0531-00, 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, current progress and topics identified for further discussion.

Chair introduced the 802.15 and 802.18 RRTAG. WG Chair Clint Powell (Meta) further introduced the influence of active participation.

Chair reviewed the updated conference call schedule, in which Oct. 4 meeting was cancelled. No objection heard.

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

Chair adjourned the call @ 9:53am ET.

# Tuesday, 11 Oct 2022

**Opening**

**9:05 AM ET** 802.15 TG4ab vice chair, Clint Powell (Meta), called the meeting to order

**Minutes**

~30 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-22-0539-00, 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**

The vice chair reviewed the proposed agenda. There was no further discussion. There was no objection to the agenda. It passed with unanimous consent.

The vice chair reviewed the schedule milestones. No questions/comments heard.

Xiaohui Peng (Huawei) presented “UWB Sensing Technical Framework Proposal”

(*doc. # 15-22-0538-02*)

This presentation discusses the updated text for UWB sensing framework.

The vice chair asked if there is any conflict to the next meetings. No response heard.

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

Chair adjourned the call @ 9:23am ET.

# Tuesday, 18 Oct 2022

**Opening**

**10:03 PM PT** 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. # 15-22-0540-00, 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 schedule of Nov meeting. There are five requests in the queue already.

(*doc. # 15-22-0541-00*)

Chair reviewed the conference call schedule. There are two requests in the queue of teleconference.

Chair reminded people to register the Nov meeting and make reservation of Bangkok hotel.

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

Chair adjourned the call @ 10:26pm PT.

# Tuesday, 25 Oct 2022

**Opening**

**9:03 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. # 15-22-0543-00, 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 Anliker (ETH Zurich) presented “Considerations of the STS in 802.15.4z”

(*doc. # 15-22-0544-00*)

This presentation discusses security concerns about the Scrambled Timestamp Sequence (STS).

Questions/comments raised include dynamic STS, attack scenarios, tests of secure ranging, etc.

Chair reminded people to review the schedule of Nov meeting.

(*doc. # 15-22-0541-01*)

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

Chair adjourned the call @ 10:04am ET.

# Tuesday, 1 Nov 2022

**Opening**

**10:04 PM PT** 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. # 15-22-0548-01, 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. 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.

Xiliang Luo (Apple) presented “Legacy PHRs for Several New Data Rates”.

(*doc. # 15-22-0546-01*)

This presentation discusses the legacy PHRs to support several new data rates introduced in 4ab.

Questions/comments raised include the indication of LDPC and rate, how to deal with the case of no out-of-band information, overhead saving, mandatory or optional, etc.

Chair reviewed the agenda for Nov. meeting. There were several discussions on COEX with 802.19 and the deadline for uploading slides in Nov F2F.

(*doc. # 15-22-0541-02*)

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

Chair adjourned the call @ 10:44pm PT.

# Tuesday, 8 Nov 2022

**Opening**

**9:03 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. # 15-22-0563-00, 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, draft steps and submitted TFD list. No questions/comments heard.

Bin Qian (Huawei) presented “Configuration of PHR Data Rate”

(*doc. # 15-22-0564-00*)

This presentation proposes to apply different SFD sequences to indicate PHR data rate dynamically.

Questions/comments raised include methods comparison and simulation results.

Wei Lin (Huawei) “Efficient 11n-648 Based LDPC Codes for 15.4ab”

(*doc. # 15-22-0565-00*)

This presentation further discusses the 11n-648 based LDPC code and its performance.

Questions/comments raised include CFO in the simulations, decoders other than layered decoder.

Benjamin A. Rolfe (BCA) presented “SSBD Latency Analysis”

(*doc. # 15-22-0558-02*)

This presentation is a follow-on to document 15-22-0485, Spectrum Sensing Based Deferral. This provides an analysis of performance relative to unslotted CSMA as defined in 802.15.4.

Chair reviewed the updated agenda and mentioned that there were three requests in the queue.

(*doc. # 15-22-0514-04*)

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

Chair adjourned the call @ 10:05am ET.