**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. Sept. to Nov. 2021>** |
| Date Submitted | 2nd Nov. 2021] |
| Source | [Clint Powell][][Chandler, AZ] | Voice: [+1.480.586.8457]Fax: [--]E-mail: [cpowell@ieee.org] |
| 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 Sept. and Nov. Mtgs.**

# Tuesday, 2 November 2021

**Opening**

**7:05 AM** 802.15 TG4ab Chair, Ben Rolfe (UWB Alliance), called the meeting to order

**Minutes**

~38 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-21-0542-00, 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

TG Recap

Chair gave a recap of the current TG status

Technical Contributions

Carlos Aldana (Facebook) presented an update to “Advanced Coding for Data comm”.

*(doc. # 15-21-0506-01-04ab)*,

first presented during the Sept. mtg.

This presentation discussed use of various codes and their performance. The motivation is to perform link budget for time stamps and ranging. A question was posed at the end of the presentation “Are you in favor of having an optional LDPC coding scheme introduced on 802.15.4ab? Comments/feedback was that it’s possible, but more aspects need to be looked at before considering.

Several questions were asked and answered.

Considering the comments made the question was revised to “Are you in favor of an optional non-BCC coding scheme (e.g. LDPC, Turbo) introduced on 802.15.4ab?

Y - 21

N - 0

A – 3

Based on the above poll results Carlos will continue investigating.

Chair asked if there were any further comments/questions on the presentation given by Jean-Marie Andre (ST Microelectronics), Sven Zeisberg (Zigpos) on “DL-TDOA positioning TDMA scheme”,

*(doc. # 15-21-0530-00-04ab)*

presented in the last call. No one spoke up. Topic will be revisited during the Nov. mtg.

Review for November Mtg

* Chair reviewed TG4ab schedule for Nov. mtg.
	+ There is still plenty of presentation time available - please get your requests into the Chair
		- Ersen Ekrem requested time during the Fri. PM1 mtg. on the topic of narrowband

Participants were reminded to register for Nov. mtg.

* The $75 regular fee is in effect until Fri. Nov. 5th, after which the $125 (late) fee will go into effect
* Reminder that registration and paying of fee are required to participate in Nov. Virtual mtg.

Chair adjourned the call @ 8:00am

# Tuesday, 19 October 2021

**Opening**

**7:05 AM** 802.15.4ab TG Chair, Ben Rolfe (UWB Alliance), called the meeting to order

**Minutes**

~35 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-21-0534-00, 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
* Asked if others needed time for a presentation on the call today
	+ There was no response

Chair reviewed the call for TG leadership

* Ben commented that he would continue as Chair of the TG

Chair asked if there were any requests for presentations for this call, none were heard

Chair asked that any requests for presentations for future calls be sent to him

Participants were reminded to register for Nov. mtg.

* $50 early fee will close on Oct. 21st, after which the $75 regular fee will go into effect until Fri. Nov. 5th, after which the $125 (late) fee will go into effect

Participants were encouraged to add contact info to documents posted on mentor

Technical Contributions

Carlos Aldana, Qiyue Zou (both Facebook) presented an update to “Preamble codes for Data Communications”, originally presented during the July Plenary Mtg. and previously updated/presented for/at the Sept. Interim Mtg.

*(doc. # 15-21-0377-02-04ab)*

This presentation updated the proposed codes and subsequent analysis.

Several questions were asked and answered.

Jean-Marie Andre (ST Microelectronics), Sven Zeisberg (Zigpos) presented “DL-TDOA positioning TDMA scheme”.

*(doc. # 15-21-0530-00-04ab)*

This purpose of the presentation was to motivate compatible enhancements of 802.15.4(z) for a scalable TDMA based access scheme description for industrial positioning systems, including the concept of battery powered satellites for harsh environments with a higher density of anchors, that is currently sued in omlox v2.0

Question was raised on background on Omlox

* omlox v1.0 was dev. w/o 802.15.4 in mind. omlox v2.0 is based on 802.15.4z. omlox was formed in Europe backed by a large number of industrial groups, including several German based companies.

Chair reminded TG of call schedule:

* 11/2 @ 10am ET

Reminder that registration and paying of fee are required to participate in Nov. Virtual mtg.

Chair adjourned the call @ 8:00am

# Tuesday, 5 October 2021

**Opening**

**7:05 AM** 802.15.4ab TG Chair, Ben Rolfe (UWB Alliance), called the meeting to order

**Minutes**

~20 participants were noted during the duration of the call

Utilizing the meeting and agenda doc. # 15-21-0526-00, 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
* Asked if others needed time for a presentation on the call today
	+ There was no response

Chair gave a recap of the Sept. 802 Wireless Interim Mtg.

Chair reviewed the call for TG leadership

* Ben commented that he would continue as Chair of the TG

Chair asked if there were any requests for presentations for this call, none were heard

Chair asked that any requests for presentations for future calls be sent to him

Chair reminded TG of call schedule:

* 10/19 @ 10am ET
* 11/2 @ 10am ET

Chair queried about changing time and/or day. Will be added as topic to the TG4ab agenda for the Nov. Virtual Mtg.

Chair reminded everyone to register for Nov. mtg.

* $50 early fee will close on Oct. 21st, after which the $75 regular fee will go into effect until Fri. Nov. 5th, after which the $125 (late) fee will go into effect

Chair adjourned the call @ 7:50am