**IEEE 802.15**

**Wireless Specialty Networks (WSN)**

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| Project | IEEE P802.15 Working Group for Wireless Specialty Networks (WSN) |
| Title | **IEEE 802.15 SG 14 (UWB-AHN) minutes** |
| Date Submitted | [22 September, 2021] |
| Source | [Clint Powell][Facebook][Chandler, AZ] | Voice: [+1.480.586.8457]Fax: [--]E-mail: [cpowell@ieee.org] |
| Re: | [September 802.15 Interim Meeting held virtually] |
| Abstract | [IEEE 802.15 Study Group 14 minutes] |
| Purpose | [Official minutes of IEEE 802.15 SG 14] |
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# Thursday, 16 September 2021 – PM1 (Joint .4ab, .14, .15)

**Opening**

**1:05 PM** SG Chairs, Ben Rolfe (Blind Creek Associates), Clint Powell (Facebook), Phil Beecher (Wi-Sun Alliance), called the meeting to order and opened the agenda
(*doc. # 15-21-0494-00-0000*)

* > 80 attendees joined the meeting

## Legal

SG Chairs reminded the group of the following from the 802.15 opening meeting:

* IEEE-SA patent policy
* Submission of Letter(s) of Assurance (LoA) or to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for any of the ongoing activities within the 802.15 WG.
	+ No essential patent claims were brought forth
* IEEE Anti-Trust statement
* IEEE Copyright Policy, including Code of Ethics

**Announcements**

Don’t forget to turn on your mic and announce your name and affiliation before you speak.

**SG Meeting Activity**

Chairs took turns addressing each of the agenda’s main items:

* Review/Discuss Template for Call for Chair
* Call for participation to external SDO’s
* SG15 Content Dev. Update
* Next Steps
	+ Maintenance of .4., .14, .15 going forward – need to start thinking about how to handle this
		- Will potentially be a topic starting at the Nov. Plenary

Chairs adjourned the joint mtg. @ 1:45pm.

# Friday, 17 September 2021 – PM2

**Opening**

**3:05 PM** Chair, Clint Powell (Facebook), called the meeting to order and opened the SG Agenda (*doc. # 15-21-0460-03-0014*)

* > 30 attendees joined the meeting

## Legal

Chair reminded the group of the following from the 802.15 opening meeting:

* IEEE-SA patent policy
* Submission of Letter(s) of Assurance (LoA) or to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for any of the ongoing activities within the 802.15 WG.
	+ No essential patent claims were brought forth
* IEEE Anti-Trust statement
* IEEE Copyright Policy, including Code of Ethics

**Announcements**

Don’t forget to turn on your mic and announce your name and affiliation before you speak.

Chair announced the agenda doc. # for the week. After reviewing no changes were made and a motion to approve was heard:

Moved by: Ben Rolfe (Blind Creek Associates)

Seconded by: Stuart Kerry (OK-Brit-, Self)

No one objected to approving the modified agenda, approved by unanimous consent
*(doc. # 15-21-0460-03-0014)*.

Chair asked for approval of prior mtg. mins. No changes were requested and a motion to approve was heard:

No one objected to approving the modified agenda, approved by unanimous consent
*(doc. # 15-21-0414-00-0014)*.

**SG Meeting Activity**

Using the meeting slides *(doc. # 15-21-0460-03-0014)* Chair proceeding with running the meeting.

Chair reviewed status and objectives for the week.

Chair recessed the mtg. @ 3:59pm, until Tues. PM2

# Monday, 20 September 2021 – AM2 (Joint .4ab, .6a, .15)

**Opening**

**11:05 AM** SG Chairs, Clint Powell (Facebook), Ben Rolfe (Blind Creek Associates), Ryuji Kohno (YNU), called the meeting to order and opened the agenda
(*doc. # 15-21-0503-00-0000*)

* > 50 attendees joined the meeting

## Legal

SG Chairs reminded the group of the following from the 802.15 opening meeting:

* IEEE-SA patent policy
* Submission of Letter(s) of Assurance (LoA) or to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for any of the ongoing activities within the 802.15 WG.
	+ No essential patent claims were brought forth
* IEEE Anti-Trust statement
* IEEE Copyright Policy, including Code of Ethics

**Announcements**

Don’t forget to turn on your mic and announce your name and affiliation before you speak.

Chairs announced the agenda doc. # for the week. After reviewing and making a few changes to the agenda, no one objected to approving the modified agenda, so it was approved by unanimous consent.
*(doc. # 15-21-0503-01-0000)*

**SG Meeting Activity**

Marco Hernandez (YNU) and Ryuji gave an overview of the following doc:

*(doc. # 15-21-0497-00-006a)*

* The document reviews the motivation behind the proposed amendment to 802.15.6: Collocated HBAN and VBAN networks operating independently within a vehicle and interacting with each other
* Topics for collaboration between .6a, .4ab, and .14 include:
	+ Common PHY
		- .6a will determine if there is a consensus on adopting the 15.4 UWB PHY
	+ Channel model
		- Channel models used by .6a include:
			* *doc. # 15-08-0780-12-0006* – used for BAN (802.15.6)
			* *doc. # 15-21-0244-05-006a* – proposed for HBAN/VBAN (.6a)
	+ Coexistence
* Goal is to meet again during Nov. Plenary
	+ Update on PHY direction (common w/15.4 UWB or not) from .6a
	+ Update on channel model development for HBAN/VBAN applications from .6a
	+ Once the PHY and Channel Model(s) are determined, this will help in paving the way to discussing coexistence

Chairs asked if there was any other business?

* Ryuji asked “What about coexistence with other UWB standards using UWB technology, such as 802.11?”
	+ Clint and Ben replied there are several general options that can be employed and that this topic may also be brought/taken up in the 802.19 WG

Chairs adjourned the joint mtg. @ 12:50pm.

# Monday, 20 September 2021 – PM2 - CANCELED

# Tuesday, 21 September 2021 – PM2

**Opening**

**4:05 PM** Chair, Clint Powell (Facebook), called the meeting to order and opened the SG Agenda (*doc. # 15-21-0460-03-0014*)

* > 35 attendees joined the meeting

## Legal

Chair reminded the group of the following from the 802.15 opening meeting:

* IEEE-SA patent policy
* Submission of Letter(s) of Assurance (LoA) or to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for any of the ongoing activities within the 802.15 WG.
	+ No essential patent claims were brought forth
* IEEE Anti-Trust statement
* IEEE Copyright Policy, including Code of Ethics

**Announcements**

Don’t forget to turn on your mic and announce your name and affiliation before you speak.

**SG Meeting Activity**

Using the working meeting slides *(doc. # 15-21-0460-03-0014)* Chair proceeding with running the meeting.

Chair discussed the next steps:

* Call for TG Chair
* Call for TG Officers
* Outreach to external SDOs
* Nov. Plenary mtg. proposed # of sessions
* Call schedule

Chair asked if there was any additional business, and none was raised.

Chair adjourned the mtg. @ 4:30pm