**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **<IEEE802.15 SG 14 (NS-UWB) minutes>** | |
| Date Submitted | [19 May 2021] | |
| Source | [Clint Powell] [] [Chandler, AZ] | Voice: [+1.480.586.8457] Fax: [--] E-mail: [cpowell@ieee.org] |
| Re: | [May 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, 13 May 2021 – PM2

**Opening**

**3:05 PM** Chair, Clint Powell (Facebook), called the meeting to order and opened the SG Agenda (*15-21-0243-00-0014*)

* > 70 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 and making a few changes to the agenda, no one objected to approving the modified agenda  
*(doc. # 15-21-0243-01-0014)*.

**SG Meeting Activity**

Using the meeting slides *(doc. # 15-21-0273-00-0014)* Chair proceeding with running the meeting.

Chair reviewed status and objectives for the week.

Chair reviewed PAR and CSD dates:

* June 8 Pre-circulation of PARs to all WGs
* July 14 All comments on any 802 PAR and CSD are due

(802.15 SC Maint. will need to setup a couple of interim telco’s to rvw.)

* July 21 Responses to comments due back to WG’s and EC
* July 23 EC approval of Study Groups to be proposed to NesCom
* Aug 13 NesCom submission deadline
* Sept 21-23 NesCom approval

SG worked on developing:

PAR *(doc. # 15-21-0274-01-0014)*

CSD *(doc. # 15-21-0278-00-0014)*

Chair recessed the mtg. @ 4:33pm, until Fri. PM1

# Friday, 14 May 2021 – PM1

**Opening**

**1:05 PM** Chair, Clint Powell (Facebook), called the meeting to order and opened the SG Agenda (*15-21-0243-01-0014*)

* ~ 60 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 and making a few changes to the agenda, no one objected to approving the modified agenda  
*(doc. # 15-21-0243-02-0014)*.

**SG Meeting Activity**

Chair reviewed status and objectives for the week.

SG worked on developing:

PAR *(doc. # 15-21-0274-02-0014)*

CSD *(doc. # 15-21-0278-02-0014)*

Chair held a discussion on sequences and dependencies

* Conclusion:
* Focus on PAR and CSD
* Work in parallel for now and see how things progress

Chair recessed the mtg. @ 2:03pm, until Mon. AM2

# Monday, 17 May 2021 – AM2 (Joint .4ab/.14/.15 Session)

**Opening**

**11:05 AM** Chairs, Ben Rolfe (Blind Creek Associates), Clint Powell (Facebook), Phil Beecher (WiSun), called the meeting to order and opened the SG Agenda (*15-21-0243-03-0014*)

* > 50 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**

Reviewed draft 802.15.14 and draft 802.15.15 PARs side-by-side and updated both based on comments/feedback from participants.

Reviewed changes to 802.15.4 Cor1 PAR

Started update to 802.15.4 CSD – completed on 802.15.14 mtg. immediately after this following one.

Chairs recessed the mtg. @ 1pm, until Mon. PM1

**Monday, 17 May 2021 – PM1**

**Opening**

**1:05 PM** Chair, Clint Powell (Facebook), called the meeting to order and opened the SG Agenda (*15-21-0243-04-0014*)

* > 60 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.

After reviewing and making a few changes to the agenda, no one objected to approving a modification to the updated agenda:  
*(doc. # 15-21-0243-05-0014)*

**SG Meeting Activity**

Chair reviewed status and objectives for the week.

SG worked on developing:

PAR *(doc. # 15-21-0274-03-0014)*

CSD *(doc. # 15-21-0278-03-0014)*

Modified PAR and CSD were saved to mentor as *doc. # 15-21-0274-04-0014* and PAR *doc. # 15-21-0278-04-0014*

SG - PAR and CSD Motion

*MOTION: “Request that the PAR and CSD contained in documents [15-21-0274-04-0014] and [15-21-0278-04-0014], respectively, be approved for submission to the WG for its approval and that the EC be requested to forward the PAR to NesCom.”*

Moved by: Ben Rolfe (Blind Creek Associates)

Seconded by: Don Sturek (Itron)

Discussion: Kunal Shah inquired about authorizing chair to make changes. Chair responded that it is covered in WG motion.

Vote: No objections, unanimously approval – motion passes (>75%), with 51 participants on call

WG - PAR and CSD Motion

*MOTION: “Request that the PAR and CSD contained in documents [15-21-0274-04-0014] and [15-21-0278-04-0014], respectively, be approved by the IEEE 802.15 WG and that the EC be requested to forward the PAR to NesCom. The 802.15 working group chair and technical editor are authorized to make additional modifications to the PAR and CSD as needed to reflect EC discussion at its closing meeting.”*

Moved by: Clint Powell

Discussion:

Vote:

Chair and SG prepared closing report slides

* Discussed next steps
* Discussed June meetings and topics
  + 4 meeting slots needed
* Set weekly call cadence
  + Weekly on Wed. @ 7am Pacific, starting June 9th

Chair adjourned the mtg. @ 2:28pm