**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 WG minutes>** | |
| Date Submitted | [30 October 2020] | |
| Source | [Clint Powell] [<PWC LLC>] [Chandler, AZ] | Voice: [+1.480.586.8457] Fax: [--] E-mail: [cpowell@ieee.org] |
| Re: | [802.15 Plenary Meeting held virtually] | |
| Abstract | [IEEE 802.15 Working Group & CAC Minutes] | |
| Purpose | [Official minutes of the Working Group and CAC Sessions] | |
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**129th IEEE 802.15 WSN MEETING**

**Held Virtually via Webex (all times in EDT)**

**Nov 2-13, 2020**

# Monday, 2 November 2020

## Opening

**9:00 AM** WG chair, Pat Kinney (Kinney Consulting), called the meeting to order  
(*15-20-0232-03-0000*), there were 56 attendees at this meeting.

## Announcements

Don’t forget to announce your name and affiliation before you speak

Rick Alfvin (LineSpeed) informed the group of, and displayed the IEEE-SA patent policy presentation slides 0-5 (<http://standards.ieee.org/board/pat/pat-slideset.ppt>).

Rick Alfvin asked the participants who wished to declare a Letter 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. There were no attendant responses to this call.

WG Chair gave a heartwarming, tear jerking, remembrance of our esteemed past chair - Dr. Robert F. Heile’s life. Pat followed with a recognition of his everlasting contributions to IEEE 802.15, IEEE 802 in general, and the Wireless Internet of Everything.

To Bob, So Long and Thanks for all the fish…

Jodi Haasz (IEEE SA) presented the concept of live voting at virtual meetings via DirectVoteLive (DVL). She explained how the voting application works and how to register. DVL will only be used at the closing plenary meeting on Thursday, 12 November. She also noted that the motions would be loaded in advance of the meeting. This process will require that the TG chairs send Pat Kinney the motions for the closing meeting by end of Wednesday. Jodi has sent links to information on DVL

## Legal

Rick Alfvin displayed and read the standard IEEE Anti-Trust statement.

## WG Approvals

Rick Alfvin moved to *approve the agenda (document 15-20-0283-05-0000-nov-2020-agenda)* with Ben Rolfe (Blind Creek Associates) seconding the motion. Following no objection, the agenda was approved.

Rick Alfvin moved *to approve the previous meeting minutes (document 15-20-0259-01-0000)* and Ben Rolfe seconded the motion. Following neither discussion nor objection the minutes were approved. There were no matters resulting from the previous minutes.

## General and Administrative

Rick Alvin presented the general meeting information:

* Voters: (voters: 105, nearly: 3, aspirant: 25)
* Webex will be used for sessions
* IMAT will be used for attendance
  + 100% Attendance is established as 1 mtg. on 8 different days  
    (Fri. Nov. 6 and Sun. Nov. 8will count as extra credit days)
  + 75% Attendance = 1 mtg. on 6 different days
* All WG motions (especially those relating to PARS) need to be sent to the Chair (Pat Kinney), Vice-Chair (Rick Alfvin), and Secretary (Clint Powell) by Noon EST, Wed. 11/1 so that they may be entered into DVL (Direct Vote Live) by the EOD. If you are not able to meet this deadline please work with Pat beforehand.

Ben Rolfe gave the treasurers report *(ec-20-0xxx-…)*

WG Chair gave summary of the 802.15 CAC report  
*(minutes: 15-20-0298-00-0000)*

WG Chair gave the Wireless Chairs Steering Committee report  
*(minutes: ec-20-0221-00-WCSG-october-28-2020-minutes)*

## Status Reports (Goals and objectives for the week)

802.15 Status and Activities for the Week

* Task Group 15.4 Cor2 (2 sessions)
  + Develop draft based upon the proposals heard
* Task Group 15.4y – SECN (2 sessions)
  + Comment resolution on WG re-circulation or start SA Ballot
  + Form a CRG
* Task Group 15.4aa – JRE (3 sessions)
  + Discuss any comments on PAR/CSD
  + Hear proposals
* Task Group 15.7a – VAT (3 sessions)
  + Take stock of submissions received from Call for Applications (Deadline: Nov 4, 2020)
  + Appoint officers
* Task Group 15.9ma – KMP (1 session)
  + Finish comment resolution and hopefully get draft ready for SA Ballot
* Task Group 12 – ULI (0 sessions)
  + Not meeting during Plenary
* Task Group 13 – Multi Gigabit/sec OWC (3 sessions)
  + Complete comment resolution in CRG
  + Work all comments from WG and MEC into D4.0
  + Start LB recirculation
  + Start approvals to go to SA Ballot
* Task Group 16t – 802.16 Amendment (2 sessions)
  + Discuss any comments on PAR mod/CSD
  + Work on systems requirement document
* Interest Group – DEP (3 sessions)
  + TBD
* Standing Committee – THz (1 session)
  + Invited of 1 - 2 speakers on THz sensing
  + Brainstorming on future THz standards/amendments
* Standing Committee – IETF (1 session)
  + Discuss IETF activities
* Standing Committee – SC-M, Rules (1 session)
  + Discuss Operation Manual changes
* Standing Committee – WNG (1 session)
  + Invitations confirmed for 2 presentations

## Any Other Business

…

## WG Recess

**10:20 AM** The chair recessed the meeting

# Thursday, 12 November 2020

## Opening

**9:03 AM** WG chair, Pat Kinney (Kinney Consulting) called the meeting to order, there were 49 attendees at this meeting

**9:04 AM** Vice Chair, Rick Alfvin (LineSpeed) spoke to the attendance method (IMAT) and voting method (DVL)

## Announcements

#### WG chair presented his Lessons Learned from this week:

* Chair expressed that Bob Heile's shoes are still extremely large and difficult to fill

#### January Virtual Plenary plans

* Two 802.15 WG PARs to be considered by EC for NesCom (15.4aa, 15.16t)
* Revised 802.15 WG Operations Manual to be reviewed and voted upon
* Two 802.15 WG drafts to be considered by EC for SA balloting (TG4y, TG13)
* Wireless Chairs Committee meeting to be held 30 September at 15:00 - 16:30 EDT

## Closing Reports

**9:10 AM TG Cor2** closing report by Kunal Shah (Itron) (15-20-0xxx-0x)

**9:13 AM TG 4y** closing report by Don Sturek (Itron) (15-20-0xxx-0x)

**9:16 AM TG4aa** closing report by Takashi Kuramochi (Lapis) (15-20-0xxx-0x)

**9:19 AM TG7a** closing report by Yeong Min Jang (Kookmin University) (15-20-0xxx-0x)

**9:22 AM TG9ma** closing report by Tero Kivinen (Self) (15-20-0xxx-0x)

**9:25 AM TG13** closing report by Volker Jungnickel (Fraunhofer HHI) (15-20-0xxx-0x)

**9:28 AM TG16t** closing report by Tim Godfrey (EPRI) (15-20-0xxx-0x)

**9:31 AM IGDEP** closing report by Ryuji Kohno (YNU/CWC U of Oulu) (15-20-0xxx-0x)

**9:34 AM SC THz** closing report by Thomas Kurner (TU Braunschweig) (15-20-0xxx-0x)

**9:37 AM SC IETF** closing report by Tero Kivinen (Self) (15-20-0xxx-0x)

**9:40 AM SC M, Rules** closing report by Pat Kinney (Kinney Consulting) (15-20-0xxx-0x)

**9:43 AM SC WNG** closing report by Ben Rolfe (BCA/UWBA) (15-20-0xxx-0x)

## Review of January Virtual Interim meeting plans

Chair noted that the in person 802 Wireless Interim Session had been planned for Jan 10 - 15, but that the 802.15 WG plans to hold a virtual interim meeting from Jan. 11 to Jan. 18.

## AoB

**9:50** Motion *to adjourn* was made by Tim Godfrey (EPRI), seconded by Kunal Shah (Itron). Upon hearing no objection, the motion carries; the session is adjourned.

## Summary

### Motions

1. *Move that 802.15 WG start a WG Recirculation Letter Ballot requesting approval of document P802-15-4y\_D1 and to forward document P802-15-4y\_D1, as edited in accordance with the instructions in document 15-20-0103 to Standards Association ballot pending the completion and inclusion of the edits in the draft.*

Moved by Don Sturek, seconded by Kunal Shah

Upon no discussion the vote was taken with the results of 28/0/1, motion carries.

1. *Move that TG4y requests 802.15 WG approve the formation of a Comment Resolution Group (CRG) for the WG balloting of the P802.15.4y-D1 with the following membership: Don Sturek (As Chair), Tero Kivinen, Peter Yee, Ruben Salazar. The 802.15.4y CRG is authorized to approve comment resolutions and to approve the start of recirculation ballots of the revised draft on behalf of 802.15 WG. Comment resolution on ballots between sessions will be conducted via reflector email and via teleconferences announced to the reflector as per the LMSC 802 WG P&P*

Moved by Don Sturek, seconded by Kunal Shah

Upon no discussion the vote was taken with the results of 28/0/1, motion carries.

1. *Move that 802.15 WG approve the formation of a Comment Resolution Group (CRG) for the WG balloting of the P802.15.9ma-D1 with the following membership: Tero Kivinen (Chair), Ben Rolfe, Don Sturek, Pat Kinney, and Peter Yee. The 802.15.9ma CRG is authorized to approve comment resolutions, edit the draft according to the comment resolutions, and to approve the start of recirculation ballots of the revised draft on behalf of the 802.15 WG. Comment resolution on recirculation ballots between sessions will be conducted via reflector email and via teleconferences announced to the reflector as per the LMSC 802 WG P&P.*

Moved by Tero Kivinen, seconded by Rick Alfvin

Upon no discussion the vote was taken with the results of 27/0/0, motion carries.

1. *Move that 802.15 WG approve the formation of a Comment Resolution Group (CRG) for the Standards Association balloting of the P802.15.13\_D3 with the following membership: Volker Jungnickel (Chair), Nikola Serafimovski, Tuncer Baykas, Sang-Kyu Lim, Jörg Robert, Tero Kivinen. The 802.15.13 CRG is authorized to approve comment resolutions, edit the draft according to the comment resolutions, and to approve the start of recirculation ballots of the revised draft on behalf of the 802.15 WG. Comment resolution on recirculation ballots between sessions will be conducted via reflector email and via teleconferences announced to the reflector as per the LMSC 802 WG P&P.*

Moved by Volker Jungnickel and seconded by Harry Bims

Upon no discussion the vote was taken with the results of 27/0/1, motion carries.

1. *Move that 802.15 WG ratifies the formation of the Tera-Hertz (THz) Standing Committee (SC) and affirms Thomas Kürner as chair.*

Moved by Rick Alfvin, seconded by Thomas Kürner

Upon no discussion the vote was taken with the results of 27/0/1, motion carries.

### Straw Poll

*…*

### Action Items

1. Action Item: …

# Annex A Virtual attendance = xx

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**802.15 CAC Mtg.**

**Friday, 30 October 2020**

## Attendance

Rick Alfvin

Clint Chaplin

Tim Godfrey

Pat Kinney

Tero Kivinen

Takashi Kuramochi

Thomas Kurner

Clint Powell

Ben Rolfe

Kunal Shah

Don Sturek

## Minutes

* Reviewed individual high-level subgroup agendas and time slot needs
  + Some adjustments were made to the Agenda and a revision will be posted
  + Adjustments will also be made to the WG Opening Slides and a revision will be posted as well
  + TG, IG, SC Chairs may use online mtg. tools than Webex for virtual plenary sessions
* PARs, Drafts, CRGs
  + Discussed plans to approve PAR changes
    - See note above re: motions related to PARS
  + Discussed plans to approve drafts ready to go to SA ballot
  + Discussed plans to approve CRG formations
  + As the WG Closing is the 1st thing in the morning on Thurs. Nov. 12, the Chair will want all WG Closing Motions (especially those relating to PARS) in by Noon EST, Wed. 11/11
* Discussed plans for January 2021 Interim
  + CAC decided 802.15 WG will hold a virtual interim from Jan. 11 to Jan 18
  + 802.15 CAC for this interim will be held on Jan. 5, from 10am - Noon Eastern time