IEEE P802.15
Wireless Personal Area Networks

Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)
Title	Task Group 4z meeting minutes for March 2019
Date Submitted	11-April-2019
Source	[Benjamin Rolfe] E-mail: [ben.rolfe @ ieee.org] [Blind Creek Associates] [Benjamin A. Rolfe] [BCA]
Re:	Meeting minutes
Abstract	Task Group minutes
Purpose	Document task group meeting
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.

IEEE Project 802
Working Group 15, Task Group 4z
Meeting Minutes: March 2019 Plenary
Vancouver, BC, Canada

Task Group Chair: Tim Harrington (Pro-ID Consulting, UWB Alliance)

Task Group Recording Secretary, Vice Chair: Benjamin A. Rolfe (Blind Creek Associates, UWB Alliance, NXP[1])

Task Group 4z
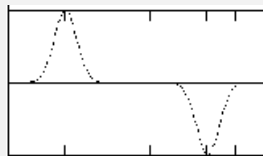
Enhanced Impulse Radio

---

[1] See http://www.blindcreek.com/pages/affiliations.pdf for affiliations by 802 activity

Contents

Monday, March 11, 2019 (AM1)

Called to Order
TG4z is called to order at 08:08 Local Time.   Chair and Recording secretary are present.

Opening Report and Meeting Preamble
Chair presents Meeting slides Doc # 15-19-0116-00:
https://mentor.ieee.org/802.15/dcn/19/15-19-0116-00-004z-march-opening-slides.pptx
Intro and welcome;
Reviews project scope;
Goals, plan and expectations for the week.

IEEE Patent and Meeting Conduct Presentation
Chair presents the IEEE patent policy information.
Chair directs attendees to review the meeting preamble slides via the link on the 802.15 home
page: https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf.
Chair presents slides 1-5. Attendees are informed that:

- The IEEE's patent policy is consistent with the ANSI patent policy and is described in
  Clause 6 of the *IEEE-SA Standards Board Bylaws*;

- Early identification of patent claims which may be essential for the use of standards under
  development is strongly encouraged;

- There may be Essential Patent Claims of which the IEEE is not aware. Additionally,
  neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of
  any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential
  for the use of the standard under development.

The foregoing information was provided;   the chair provided an opportunity for participants to
identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent

application claim(s) of which the participant is personally aware and that may be essential for the use of that standard: **No responses were heard.**

Agenda

Agenda: Chair presents proposed agenda document 15-19-0097-01.
https://mentor.ieee.org/802.15/dcn/19/15-19-0097-01-004z-tg4z-march-plenary-meeting-agenda.xlsx
Discussion: The proposed agenda is discussed. Following discussion, agenda is modified and captured in rev 02.
https://mentor.ieee.org/802.15/dcn/19/15-19-0097-02-004z-tg4z-march-plenary-meeting-agenda.xlsx
Motion to approve the agenda: Moved by Frank Leong, Second by Billy Verso.
Following no discussion nor objection, agenda approved by unanimous consent.

Prior Minutes

Approval of May meeting minutes, document 15-19-0037-00.
https://mentor.ieee.org/802.15/dcn/19/15-19-0037-00-004z-tg4z-meeting-minutes-jan-2019.pdf
Motion to approve January minutes: Moved by Jochen Hammerschmidt, Second by Frank Leong.
Following neither discussion nor objection, approved by unanimous consent.

Reports and Discussion

6 GHz NPRM Status Report and Discussion

Tim provides a verbal status on the FCC NPRM.

Editor's Report and Planning

Lead technical editor provides status. Discussion on the expectations and best ways to proceed for the meeting.

Consolidated Comments

Consolidated Comments captured in document # 15-19-0109-02
https://mentor.ieee.org/802.15/dcn/19/15-19-0109-02-004z-wg-review-consolidated-comments.xlsx

Chair summarizes the content and process for resolving comments. Chair begins review of the comments.

Recess

Recess @ 10:00 local until PM1.

Monday, March 11, 2019 (PM1)

Called to order @ 13:45 Local time. Chair and acting recording secretary are present.
Meeting reminder given (review scope and conduct).

Report on TEG Teleconference and TEG Comments

Chair reports on the TEG teleconference held between January and March meetings and reports on issues raised by the TEG, noting many are included in the consolidated comment XLS but not all were submitted as pre-ballot comments.

Comment Resolution of Review Comments

Chair continues working through the technical comments. Sorted by page+line, got through about 80 of them, down to page 15 line 16, (ir-0065). Results captured in document 15-19-0109-02.

Recess

Recess @ 15:30 local until AM1 Tuesday.

Tuesday, March 12, 2019 (AM1)

Called to order @ 08:05 Local time. Chair and recording secretary are present.
Meeting reminder given (review scope and conduct).

Agenda Amendment Discussion

Discussion on adding additional slots. Options are PM3 on Tuesday and PM2 on Thursday. Proposed agenda amendment to add both slots. Following no further discussion nor objection, Agenda is amended by unanimous consent; result posted as rev 3:
https://mentor.ieee.org/802.15/dcn/19/15-19-0097-03-004z-tg4z-march-plenary-meeting-agenda.xlsx

Comment Resolution

It is decided to assign all comments categorized as Editorial to the Editor.
Comment resolution continues.
Action: Billy and Ben to work on proposed fixes to 6.9.7.7 off-line and report back.
Progress posted as rev 4 and 5.
https://mentor.ieee.org/802.15/dcn/19/15-19-0109-05-004z-wg-review-consolidated-comments.xlsx

Recess

Recess @ 10:00 local time until PM1.

Tuesday, March 12, 2019 (PM1)

Called to order 13:33 local. Chair and recording secretary are present.
Meeting reminder given (review scope and conduct).

Coexistence Discussion

Draft CAD outline document 15-18-0523-01 is presented and discussed.
https://mentor.ieee.org/802.15/dcn/18/15-18-0523-01-004z-coexistence-document-15-4z.docx
Suggested approach presented. Action: Ben to complete per suggested plan and present for
review and continue work on Wed morning.

Comment Resolution

Comment resolution continues. Progress captured in rev 6.
https://mentor.ieee.org/802.15/dcn/19/15-19-0109-06-004z-wg-review-consolidated-
comments.xlsx

Recess

Recess @ 15:26 local.

Tuesday, March 12, 2019 (PM3)

Meeting called to order: 18:45. Chair and acting recording secretary are present.
Meeting reminder given (review scope and conduct).

Comment Resolution

Comment resolution continues. Progress captured in rev 8.
https://mentor.ieee.org/802.15/dcn/19/15-19-0109-08-004z-wg-review-consolidated-
comments.xlsx

Recess

Recess @ 20:00 local.

Wednesday, March 13, 2019 (AM1)

Called to order at 08:39 local time. Chair and recording secretary are present.
Meeting reminder given (review scope and conduct).

Comment Resolution

Comment resolution continues. Results captured in rev 9:

https://mentor.ieee.org/802.15/dcn/19/15-19-0109-09-004z-wg-review-consolidated-comments.xlsx

Joint Meeting With TGw

Purpose of joint meeting: to address editorial and technical guidance on common issues around the specification of context dependent transmissions and receive guidance from WG Technical editor and 15.4 TEG.

Recess

Recess @ 10:15

Wednesday, March 13, 2019 (PM1)

Called to order at 13:38 local time. Chair and recording secretary are present.
Meeting reminder given (review scope and conduct).

Coexistence Assurance Document

Work on CAD continues with review of work in progress and live editing. A number of suggestions noted with some additional work to do off-line. Results will be posted when editing completed. To be presented Thursday AM1.

Recess

Recess @ 15:40

Thursday, March 14, 2019 (AM1)

Called to order at 08:05. Chair and recording secretary present. Meeting reminder given.

Presentations and Discussion
CAD Review
Review of proposed CAD document # 15-18-0523-03.
https://mentor.ieee.org/802.15/dcn/18/15-18-0523-03-004z-coexistence-document-15-4z.docx.
Group discussion and live editing results in rev 4:
https://mentor.ieee.org/802.15/dcn/18/15-18-0523-04-004z-coexistence-document-15-4z.docx
Motion to approve CAD document 15-18-0523-04 as the Coexistence Analysis Document for P802.15.4z, authorizing the CAD editor to make editorial changes as required to prepare for WG balloting. Moved Ben Rolfe, Second Billy Verso. Counted vote (yes/no/abstain): 14/1/0.

Comment Resolution
Comment resolution continues

Recess
Recess @ 10:00 local

Thursday, March 14, 2019 (PM1)
Called to order at 13:30. Chair and recording secretary present. Meeting reminder given.

Comment Resolution

Recess @ 15:30 local

Thursday, March 14, 2019 (PM2)
Called to order at 16:00 local. Chair and recording secretary present. Meeting reminder given.

Finalize Draft for Letter Ballot
Review work plan and schedule.

Motions
Motion to request WG start a WG:
Move to request WG start a WG Letter Ballot requesting approval of CA document [15-18-0523-04-004z with editorial corrections as needed by the CAD technical editor] and document P802-15-4z_D06a (as edited in accordance with the instructions in document 15-19-0109-15-004z) and to forward document P802-15-4z_D06a, as edited in accordance with the instructions in document 15-19-0109-15-004z, and CA document [15-18-0523-04-004z with editorial corrections as needed by the CAD technical editor] to Standards Association ballot pending the completion and inclusion of the edits in the draft.
Moved by: Ben 2nd: Ayman
Discussion: None heard
Counted vote yes/no/abstain: 15/2/0
Motion carries.

Motion to request WG form a Comment Resolution Group:
Move to request WG approve the formation of a Comment Resolution Group (CRG) for the WG balloting of the P802.15.4z_D00 with the following membership:
Tim Harrington (Chair), Ayman Naguib, Seongah Jeong, Aditya Padaki, Billy Verso, Frank Leong, Ben Rolfe, David Barras, Daniel Knobloch, Jochen Hammerschmidt, Boris Danev, Brima Ibrahim, Peter Sauer and Jarek Niewczas.
The 802.15.4z CRG is authorized to approve comment resolutions, edit the draft according to the comment resolutions, and conditionally approve start of the initial Working Group ballot of the

revised draft on behalf of the 802.15 WG. Comment resolution on the 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: Clint 2nd: Ayman
Counted vote yes/no/abstain: 16/0/1
Motion carries.

Next Steps

Tim reviews schedule to complete edits and teleconference schedule.

Teleconference Schedule

Discussed and agreed to call schedule:
Commencing on Feb 4th 2019 at 10:00 AM Pacific Time. Repeating weekly,
        Mar 27, 2019 10:00 AM
        Apr 10, 2019 07:00 AM
Schedule so announced.

Closing Report

Tim presents closing report, Doc # 15-19-0181-00.
https://mentor.ieee.org/802.15/dcn/19/15-19-0181-00-004z-tg4z-march-closing-report.pptx

AOB

None heard.

Adjourn

Motion to adjourn
Moved by Jochen Hammerschmidt, second by Billy Verso.
Non debatable, no objections heard.
Adjourned @ 17:59.

Figure 1: Spring is almost here!