

IEEE P802.15
Wireless Personal Area Networks

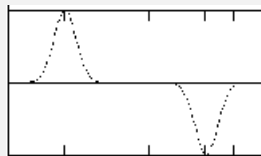
Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)	
Title	Task Group 4z meeting minutes for Sept 2019	
Date Submitted	19-Sep-2019	
Source	[Benjamin Rolfe] [Blind Creek Associates] [Benjamin A. Rolfe] [BCA]	E-mail: [ben.rolfe @ ieee.org]
Re:	Meeting minutes	
Abstract	Task Group minutes	
Purpose	Document task group meeting	
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IEEE Project 802
Working Group 15, Task Group 4z
Meeting Minutes: Sept 2019 Plenary
Hanoi, Vietnam

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

Task Group Recording Secretary, Vice Chair: Benjamin A. Rolfe (Blind Creek Associates, UWB Alliance, NXP¹)

Task Group 4z



Enhanced Impulse Radio *Ultra-Wideband, the Technology*

Where ever you go, there you are!²

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

² With real-time sub-centimeter precision

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Monday, Sept 16, 2019 (AM2)

Called to Order

TG4z is called to order at 10:40 Local Time. Chair and Recording secretary are present. Opening Report and Meeting Preamble

Chair presents Meeting slides Doc # 15-19-406-01:

<https://mentor.ieee.org/802.15/dcn/19/15-19-0406-01-004z-september-interim-opening-slides-tg4z-eir.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 (Slide 0).

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 15-19-0362-01.

<https://mentor.ieee.org/802.15/dcn/19/15-19-0362-01-004z-tg4z-eir-september-agenda.xlsx>

Discussion:

Motion to approve the agenda: Moved by Frank Leong, Second by Billy Verso.

Following no further discussion nor objection, agenda approved by unanimous consent.

Prior Minutes

Approval of July meeting minutes and CRG meeting minutes, document 15-19-0331-00 and 15-19-0386-01.

<https://mentor.ieee.org/802.15/dcn/19/15-19-0331-00-004z-july-tg-meeting-minutes.pdf>

<https://mentor.ieee.org/802.15/dcn/19/15-19-0386-01-004z-crg-meeting-minutes.pdf>

Motion to approve prior minutes: Moved by Billy Verso, Second by Frank Leong.

Following neither discussion nor objection, approved by unanimous consent.

Reports and Discussion

6 GHz NPRM Status Report and Discussion

Tim Harrington provides a verbal status on the FCC NPRM. Also reports on FCC Petition on revision of Subpart F.

Comment Resolution Status Report (Clint Chaplin)

Comment Resolution REVCOM Guidelines reminder: Chair reminds group where to find the guidance documents which we will continue to follow for comment resolution.

Consolidated comments and comment resolution spreadsheet: Document # 15-15-0397.

<https://mentor.ieee.org/802.15/dcn/19/15-19-0397-01-004z-lb161-comments.xlsx>

Clint provides status. Discussion on the expectations and best ways to proceed for the meeting. Clint has identified comments which are marked as technical but really are minor issues (9): Following review and discussion, agreed to treat like Editorial, mark as “Ready” for action by Technical Editor (TE). Agreed that all Editorial are “Ready” for action by the TE. Group assigned to review “minor” and “editorial” and to see if any require further discussion and raise as needed.

Page and line number reference: For recirculation there are 4 possible combinations, at least 3 of which have been used in submitted comments. This adds potential confusion and additional work. Best if we can avoid this moving forward. Thus we have agreed to a convention. Agreement: from here on, everyone agrees to use the printed page # of the CLEAN pdf. TE will attempt to make PDF and printed page # match next draft. Vice chair will request such instructions appear in future working group ballot instructions.

Recess

Recess at 11:11 local for 5 minutes to provide time for Comment XLS editor to resort for presentation to the group.

Resumed

Called to order at 11:16 local.

Rev 2 of comment spreadsheet:

<https://mentor.ieee.org/802.15/dcn/19/15-19-0397-02-004z-lb161-comments.xlsx>

Comment Resolution Triage

Clint presents XLS rev 2 which is sorted by clause and has initial comment categorization.

Discussions:

Use of terminology for timestamps. Billy and Ben to revise and correct so as to remove ambiguous use of “timestamp” with correct terminology consistently. Mark status as assigned.

6.9.8 Comments assigned to Boris.

Comment on doc 15-19-350 was not incorporated: was approved by CRG but XLS did record the resolution so it did not get incorporated by TE. Agree to accept.

Category LRP (misc): Assigned to David.

Recess

Recess @ 12:30 local until PM1.

Monday, September 16, 2019 (PM1)

Called to order @ 13:33 Local time. Chair and acting recording secretary are present.

Meeting reminder given (review scope and conduct).

Comment Resolution

Chair leads comment resolution. Results captured in comment XLS document 15-19-0397.

Clint to clean up and post results as r3 following editorial cleanup.

<https://mentor.ieee.org/802.15/dcn/19/15-19-0397-03-004z-lb161-comments.xlsx>

Recess

Recess @ 15:30 local until AM1 Tuesday.

Tuesday, September 17, 2019 (AM1)

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

Comment Resolution

160 comments left to triage. Triage effort continues. Review each comment and either propose a resolution or assigned to someone (as lead). Comment resolution by ad-hoc subgroups follows.

Recess

Recess @ 10:00 local time until PM1.

Tuesday, September 17, 2019 (AM2)

Called to order at 10:33 Local time. Chair and recording secretary present.
Meeting reminder given (review scope and conduct).

Comment Resolution

Comment resolution continues. AM results posted in 15-19-0397-04.
<https://mentor.ieee.org/802.15/dcn/19/15-19-0397-04-004z-lb161-comments.xlsx>

Recess

Recess @ 12:17 local time until PM1.

Tuesday, September 17 2019 (PM1)

Called to order 13:35 local. Chair and recording secretary are present.
Meeting reminder given (review scope and conduct).

Comment Resolution

Comment resolutions continues. Results captured in 15-19-0397-05.
<https://mentor.ieee.org/802.15/dcn/19/15-19-0397-05-004z-lb161-comments.xlsx>

Recess

Recess at 15:35 local.

Wednesday, September 18, 2019 (AM1)

Called to order 08:40 local. Chair and recording secretary are present.
Meeting reminder given (review scope and conduct).

Comment Resolution

Comment resolution continues. Clint did some clean-up and posted R06.
<https://mentor.ieee.org/802.15/dcn/19/15-19-0397-06-004z-lb161-comments.xlsx>

Recess

Recess @ 10:02 local.

Wednesday, September 18, 2019 (PM1)

Called to order @ 13:39. Chair and recording secretary are present.
Meeting reminder given (review scope and conduct).

Comment Resolution

Continues.

Recess

Recess @ 15:30 local to continue comment resolution ad-hoc.

Wednesday, September 18, 2019 (PM2)

Called to order at 16:02 local time. Chair and recording secretary are present.
Meeting reminder given (review scope and conduct).

Comment Resolution

Comment resolution continues. Ad-hoc subgroups continue work.

Recess

Recess @ 18:02

Thursday, September 19, 2019 (AM1)

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

Comment Resolution

Comment resolution continues.

Recess

Recess @ 10:05 local

Thursday, September 19, 2019 (AM2)

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

Comment Resolution

Comment resolution continues.

Recess

Recess @ 12:30 local

Thursday, September 18, 2019 (PM1)

Called to order at 13:30. Chair and recording secretary present. Meeting reminder given.

Comment Resolution

Comment resolution continues.

Comment resolution completed and results posted in 15-19-0397-07.

<https://mentor.ieee.org/802.15/dcn/19/15-19-0397-07-004z-lb161-comments.xlsx>

A round of applause is heard with acknowledgment by the chair of the extraordinary effort by everyone. Special mention by vice chair of the contribution by Clint Chaplin in managing the comment document, as well as filling in as needed.

Next Steps

Review work plan and schedule. Plan is to form CRG, initiate recirculation, upon close of recirculation resolve comments at F2F in Oct, and recirculate again. We will resolve comments via CRG call and/or in Kona when 2nd recirculation completes.

Schedule: **Have all contributions completed TODAY; approved comment resolutions DONE, Draft to recirculate by 27-Sept.**

BRC call schedule already announced, resume starting Tuesday September 24 (see below).

Motions

Move that 802.15.4z TG approve the formation of a Comment Resolution Group (CRG) for the WG balloting of the P802.15.4z_D3 with the following membership:

Ayman Naguib (Apple), Mingyu Lee (Samsung), Aditya Padaki(Samsung), Billy Verso (Decawave), Frank Leong (NXP), Tim Harrington (Chair) (Pro-ID), Ben Rolfe (Blind Creek), David Barras (3dB), Boris Danev (3dB), Brima Ibrahim(NXP), Peter Sauer (Microchip), Paul Kettle (Decawave), Zheda Li (Samsung), Clint Chaplin (Samsung), Jochen Hammerschmidt (Apple)

The 802.15.4z 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, via teleconferences and face to face meeting(s) announced to the reflector as per the LMSC 802 WG P&P.

Moved by: Clint Chaplin,
 Second by: Ayman Naguib
 Following neither discussion nor objection, approved by unanimous consent.

Move to 802.15.4z TG approve the technical comment resolutions in document 15-19-0397-07 and directs the technical editor to apply.

Moved by: Clint Chaplin
 Second by: Zheda Li
 Following neither discussion nor objection, approved by unanimous consent.

Move that 802.15 WG start a WG recirculation requesting approval of CA document 15-18-0523-06 and document P802.15.4z-D3 (P802.15.4z-D2 as edited per 15-19-0397-07) and to forward document P802.15.4z-D3, to Standards Association ballot.

Moved by Ayman Naguib
 Seconded by Billy Verso
 Following neither discussion nor objection, approved by unanimous consent.

Teleconference Schedule:

As previously noticed to the email reflector:
 Twice weekly commencing Tuesday, Sept 24th until further notice as follows

Tuesdays	
San Francisco (USA - California)	7:00 am Pacific TZ
Thursdays	
San Francisco (USA - California)	3:00 pm Pacific TZ

AOB

None heard.

Adjourn

Adjourn @ 17:30 local



Figure 1: Squirrel?