

**IEEE P802.15
Wireless Personal Area Networks**

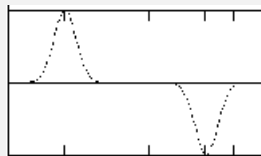
Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)	
Title	Task Group 4z meeting minutes for July 2019	
Date Submitted	15-Sep-2019	
Source	[Benjamin Rolfe] [Blind Creek Associates] [Benjamin A. Rolfe] [BCA]	E-mail: [ben.rolfe @ ieee.org]
Re:	Meeting minutes	
Abstract	Task Group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

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

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

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Monday, July 15, 2019 (AM1)**Called to Order**

TG4z is called to order at 08:20 Local Time. Chair and Recording secretary are present.

Opening Report and Meeting Preamble

Chair presents Meeting slides Doc # 15-19-0286-00:

<https://mentor.ieee.org/802.15/dcn/19/15-19-0286-00-004z-july-plenary-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 15-19-0246-01.

<https://mentor.ieee.org/802.15/dcn/19/15-19-0246-01-004z-july-plenary-agenda.xlsx>

Discussion: Following discussion agenda revised:

<https://mentor.ieee.org/802.15/dcn/19/15-19-0246-02-004z-july-plenary-agenda.xlsx>

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 May meeting minutes, document 15-19-0249-00.

<https://mentor.ieee.org/802.15/dcn/19/15-19-0249-00-004z-may-meeting-minutes.pdf>

Motion to approve May 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 provides a verbal status on the FCC NPRM.

Comment Resolution Status Report (Clint Chaplin)

Clint provides status. Discussion on the expectations and best ways to proceed for the meeting.

Comment Resolution Comments

Group works on comment resolutions beginning with # 15-19-0196-32

Results captured in r33

<https://mentor.ieee.org/802.15/dcn/19/15-19-0196-33-004z-lb-consolidated-comments.xlsx>

Recess

Recess @ 10:00 local until PM1.

Monday, July 15, 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 of Review Comments

Chair leads comment resolution. Results captured in comment XLS document 15-19-0196.

Clint to clean up and post as r34.

Recess

Recess @ 15:30 local until AM1 Tuesday.

Tuesday, July 16, 2019 (AM1)

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

Comment Resolution

Reviewed suggested changes in document 15-19-0263-01. Following discussion, some changes identified. Changes captured and will be posted in r02.

Comment resolutions captured in 15-19-0196-35.

Recess

Recess @ 10:00 local time until PM1.

Tuesday, July 16 2019 (PM1)

Called to order 13:31 local. Chair and recording secretary are present.
Meeting reminder given (review scope and conduct).

Comment Resolution Discussion

Clint leads status reporting on comment resolution, updated 15-19-0196.
Discussion of comments assigned by Ben but needing further input from others; Assignments accepted for all open items. Some are covered by pending submissions.
Clint to cleaned up and posted as revision 37:
<https://mentor.ieee.org/802.15/dcn/19/15-19-0196-37-004z-lb-consolidated-comments.xlsx>

Recess

Recess at 13:30 local.

Wednesday, July 17, 2019 (AM1)

Called to order 08:31 local. Chair and recording secretary are present.
Meeting reminder given (review scope and conduct).

Comment Resolution

Comment resolution continues.
Frank Leong presents doc # 15-19-0326-01. Following discussion, contribution accepted.
Ben leads further comment resolution, results captured in revision 38:
<https://mentor.ieee.org/802.15/dcn/19/15-19-0196-38-004z-lb-consolidated-comments.xlsx>

Recess

Recess @ 10:00 local.

Recess

Recess @ 15:26 local.

Wednesday, July 17, 2019 (PM1)

Called to order @ 13:34. Chair and recording secretary are present.
Meeting reminder given (review scope and conduct).

Comment Resolution

Comment resolution continues.

Group reviews 15-19-0253-08. A few editorial typos found to be corrected in r9; no objections to accepting 15-19-0253-09 to be incorporated.

Group reviews 15-19-0262-01 and declares it done and accepted.

Review of 15-19-0263-02: following discussion, accepted with editorial license to TE to correct editorial typos.

Revisit doc 15-19-0326-02: Frank notes an error was found in 0326r2; reviewed the fix, no objections, r2 accepted.

Discussion on proposed resolutions for 7.4.4.57 TX Preamble Code field and RX Preamble Code field: Billy notes the changes in 0253r8 differ from his proposed resolution. Group agrees to have TE apply the suggest changes in Billy's comment after applying 0253r9.

Recess

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

Wednesday, July 17, 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. Clint captures results, posted as r39.

<https://mentor.ieee.org/802.15/dcn/19/15-19-0196-39-004z-lb-consolidated-comments.xlsx>

Recess

Recess @ 18:02

Thursday, July 18, 2019 (AM1)

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

Comment Resolution

Comment resolution continues. Clint captures results and posts as r40:

<https://mentor.ieee.org/802.15/dcn/19/15-19-0196-40-004z-lb-consolidated-comments.xlsx>

Recess

Recess @ 10:05 local

Thursday, July 18, 2019 (PM1)

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

Comment Resolution

Comment resolution continues. Results captured in r41:

<https://mentor.ieee.org/802.15/dcn/19/15-19-0196-41-004z-lb-consolidated-comments.xlsx>

Next Steps

Review work plan and schedule. Plan is to form CRG, complete comment resolution, and initiate recirculation. Schedule: **Have all contributions completed by 1-August** for review on BRC call starting 1-August; finalize for TE by 8-August BRC call.

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_D2 with the following membership:

Ayman Naguib (Apple), Seongah Jeong (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), Jaroslaw Niewczas (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: Frank Leong
Approved by unanimous consent

Teleconference Schedule:

Twice weekly commencing Tuesday, July 30th until further notice as follows

Tuesdays	
San Francisco (USA - California)	7:00 am PDT
Dallas (USA - Texas)	9:00 am CDT
Dublin (Ireland)	3:00 pm IST
Paris (France - Île-de-France)	4:00 pm CEST
Helsinki (Finland)	5:00 pm EEST
Seoul (South Korea)	11:00 pm KST
Thursdays	
San Francisco (USA - California)	3:00 pm PDT
Dallas (USA - Texas)	5:00 pm CDT
Dublin (Ireland)	11:00 pm IST
Paris (France - Île-de-France)	12:00 midnight CEST
Helsinki (Finland)	1:00:00 am EEST
Seoul (South Korea)	7:00:00 am KST

AOB

None heard.

Adjourn

Motion to adjourn

Moved by Clint Chaplin, second by Frank Leong.

Non debatable, no objections heard.

Adjourn @ 15:30 local



Figure 1: Squirrel?