
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 May 2018	
Date Submitted	11-May-2018	
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: May 2018 802 Wireless Interim

Task Group Recording Secretary: Benjamin A. Rolfe (Blind Creek Associates)

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

Task Group 4z
Enhanced Impulse Radio

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Monday, May 07 2018 (PM1)

Called to Order

Inaugural meeting of TG4z is called to order at 13:40 Local Time (Warsaw). Chair and acting Recording secretary are present.

Opening Report and Meeting Preamble

Chair presents Meeting preamble slides, Doc # 15-18-0186-00 including the IEEE patent policy information. (<https://mentor.ieee.org/802.15/dcn/18/15-18-0186-00-004z-may-interim-opening-slides-4z-eir.ppt>)

Chair directs attendees to review the meeting preamble slides via the link on the 802.15 home page:

<http://standards.ieee.org/board/pat/pat-slideset.ppt>

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 document 15-18-0189-00 presented. Following discussion, Motion to approve agenda 15-18-0189-01: Moved: Ben Rolfe, second: Billy Verso. Approved by unanimous consent.

<https://mentor.ieee.org/802.15/dcn/18/15-18-0189-00-004z-tg4z-eir-agenda.ppt>

Presentations and Discussion

Presentation: Document 15-18-0211-00, Text Proposal for HRP UWB SRDEV PPDU, Frank Leong (NXP Semiconductors). (<https://mentor.ieee.org/802.15/dcn/18/15-18-0211-00-004z-text-proposal-for-hrp-uwb-srdev-ppdu.docx>)

Agenda update

Following further discussion, agenda amended as follows:

PM2 Monday cancelled

PM1 Tuesday: David (3dB), Coexistence discussion

PM2 Tuesday: open

PM1 Wed: Billy (Decawave)

Revision 2 posted.

Recess @ 15:30 local.

Tuesday, May 08 2018 (PM1)

Called to order 13:38 local (due to room change).

Presentations and Discussion

Document 15-18-0218-00: Changes Proposal for LRP UWB PHY, David Barras (3db Access).
(<https://mentor.ieee.org/802.15/dcn/18/15-18-0218-00-004z-changes-proposal-for-lrp-uwb-phy.pptx>)

802.11ax Coexistence with 802.15.4 UWB

802.11ax Coexistence Assurance Document (CAD) 11-16-1348-03 presented and discussed.
(<https://mentor.ieee.org/802.11/dcn/16/11-16-1348-03-00ax-coexistence-assurance.docx>)
Discussion continued in PM2.

Recess @ 15:30 local.

Tuesday, May 08 2018 (PM2)

Meeting called to order: 16:30.

802.11ax Coexistence with 802.15.4 UWB

Continuing review of 802.11ax CAD: doc.: IEEE 802.11-16/1348r3 from where PM1 left off.
TG4z group asked to come up with list of what 4z group would like TG11ax to add to improve their coexistence document. Areas for suggested improvement:
Section 3 - Coexistence with non-802.11 systems
Section 5.2 - Spatial Reuse
Section 5.6 Operation in the 6 GHz Band

Comments collected by chair and will be consolidated into a document and posted.

Discussion on what might be done as the basis for coexistence. Again this list will be formed into a document and posted (TBD) by the chair.

Recess @ 16:08 local.

Wednesday, May 09 2018 (PM1)

Called to order at 13:30 local.

Presentations and Discussion

Document 15-18-0108-01 HRP UWB PHY enhancements Billy Verso (Decawave).
(<https://mentor.ieee.org/802.15/dcn/18/15-18-0108-01-004z-hrp-uw-b-phy-enhancements.pptx>)
Discussion: Some questions to be taken off-line and Billy will update the group if there are relevant results.

802.11ax Coexistence Discussion

Review and correct collected comments on the 802.11ax CAD, doc 15-18-0239. Corrected version posted as rev 1.
(<https://mentor.ieee.org/802.15/dcn/18/15-18-0239-00-004z-comments-on-802-11ax-cad.pptx>)

Recess @ 15:30

Wednesday, May 09 2018 (PM2)

Meeting called to order: 16:10

HRP and LRP Progress Discussion

Chair asked if there has been any discussion about common ground and how to merge and move forward. He suggested that HRP PHY enhancement proposers could have a discussion about the common ground and how to move forward to a merged proposal. The consensus was that an offline discussion was appropriate.

Tim asked whether LRP proposers had any draft text submission to present. Answer not until next TG4z meeting slot.

Brainstorming on coexistence

Tim leads a discussion on possible coexistence strategies.
Tim said he will put up on mentor the response to 802.11ax CAD and the doc with the TG4z thoughts on possible coexistence mechanisms.

Other

Tim said he would also be generating a call for proposals, but would not have this until the next meeting slot.

Recessed @ 17:20.

Thursday, May 09 2018 (PM1)

Called to order at 14:00

Presentations and Discussion

LRP document review from David Doc # 15-18-0260

(<https://mentor.ieee.org/802.15/dcn/18/15-18-0260-00-004z-text-proposal-for-lrp-uw-phy.docx>)

CFP review and discussion.

(<https://mentor.ieee.org/802.15/dcn/18/15-18-0259-00-004z-call-for-proposals.docx>)

Recessed @ 15:00.

Thursday, May 09 2018 (PM2)

Called to order at 16:00.

Presentations and Discussion

Discussion on technical guidance for technical contributions. Results captured in doc# 15-18-0258-00 (<https://mentor.ieee.org/802.15/dcn/18/15-18-0258-00-004z-guidelines-for-tg4z-technical-contributions.pptx>)

Update HRP from Billy (<https://mentor.ieee.org/802.15/dcn/18/15-18-0108-02-004z-hrp-uw-phy-enhancements.pptx>)

AOB

None.

Adjourned @ 17:15.

