**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | Peer Aware Communications (PAC) Task Group minutes for May 2013 | |
| Date Submitted | 23rd May 2013 | |
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| Re: |  | |
| Abstract | PAC Task Group. | |
| Purpose | To develop interest in this technology with a view to determine its possible standardization within the 802.15 WG. | |
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These are the minutes of IEEE 802.15.8Task Group PAC meeting held at the Hilton Waikoloa Village, May. 13-16, 2013.

**Monday May 13th, 2013**

1. Room: Queens 6
2. The Chair called the meeting to order at 1:30pm.
3. Chairman: Myung Lee
4. Attendees were asked to sign in the IMAT system for attendance.
5. The document number describing the agenda for this week’smeeting is 15-13-0291-01-0008.
6. There were no objections on approving the mintues on the lastTG8 meeting in Orlando.
7. The chair asked for a volunteer to serve as secretary pro tem. Only Seungkwon Cho volunteered.
8. There was a vote for affirmation of editor. The group approved Byung-jaw Kwak as an editor by 9 votes for and 0 against, with 1 abstention.
9. After discussions about the amount of time for presentation, the chair announced that 40 miutes (30 minutes for presentation and 10 minutes for Q&A) per each contribution document were available for presentation.
10. Taking the presenter’s preference into consideration, presenation time for all the submitted contribution documents, except Qing Li’s document, were allocated by the chair. The chair informed that total 16 documents had been submitted and he was notified of Qing Li’s absence from this meeting by email.
11. Huan-Bang Li presented “NICT’s MAC Proposal For IEEE802.15.8 Peer Aware Communications” (DCN: 15-13-0270-00-0008)
12. Billy Verso presented “UWB PHY Proposal to TG8” (DCN: 15-13-0278-00-0008). Byung-Jae Kwak presented “Technical Pre-proposal for IEEE 802.15 TG8 PAC Standard” (DCN: 15-13-0271-01-0008).
13. The meeting recessed at 3:25pm.
14. The group reconvened at 4:00pm.
15. Seong-Soon Joo presented "A reference model of the PAC enabled networks" (DCN: 15-13-0262-01-0008).
16. Igor Dotlic presented "NICT Impulse Radio Ultra Wideband PHY Pre-proposal to IEEE 802.15.8 group for PAC" (DCN: 15-13-0277-00-0008).
17. Jinyoung Chun presented "Technical proposal for PAC” (DCN: 15-13-0280-00-0008) and " Technical proposal of discovery for PAC” (DCN: 15-13-0281-00-0008)
18. The meeting recessed at 17:32

**Tuesday May 14th, 2013**

1. Room: Queens 6
2. The group reconvened at 8:00am.
3. Attendees were asked to sign in the IMAT system for attendance.
4. The chair went over the agenda of this week once again.
5. The chair remined the attendees of presentation schedule written in the agenda(15-13-0291-02-0008)
6. Marco Hernandez presented “Preliminary NICT PHY Proposal (Part A)” (DCN: 15-13-0272-00-0008). He explained the details of the figure in slide #3 using his previous contribution document which is submitted in March (DCN: 15-13-0140-00-0008), as an auxiliary presentation material.
7. Sungcheol Chang and Seungkwon Cho presented PHY and MAC part of, respectively, “A proposal for PAC framework document” (DCN: 15-13-0273-00-0008).
8. Ressed at 09:40am
9. Resseed until 10:30am
10. The chair briefly mentioned a couple of topics expected to be discussed after the PM2 time slot tomorrow afternoon. The topics were how to write frame work document after the meeting in July, call for contribution, and teleconference meeting.
11. Seung-Hoon Park presented “Pre-proposal: PAC Operations and Frame Structure” (DCN: IEEE 802. 15-13-0267-01-0008)
12. Tae-Joon Park, Wun-Cheol Jeong, and Chang Sub Shin gave presenations. Q&A time is followed after all their presnestions were over. Tae-Joon Park presented “PHY pre-proposal for PAC common discovery mode” (DCN: 15-13-0275-00-0008) and “PHY pre-proposal for PAC low rate services” (DCN: 15-13-0276-01-0008). Wun-Cheol Jeong presented “Common discovery mode for PAC: MAC “ (DCN: 15-13-0268-01-0008). Chang Sub Shin presented “Superframe Structure and Deferred Beacon in Distributed PAC Environment” (DCN: 15-13-0269-02-0008).
13. The meeting recessed at 12:41am.

**Wednesday May 15th, 2013**

1. Room: Queens 6
2. The group reconvened at 1:30pm.
3. Attendees were asked to sign in the IMAT system for attendance.
4. The chair went over the agenda of this week once again.
5. The chair asked to editors whether there was something to be announced in the editors meeting yesterday. Seung-Hoon Park answered that there was nothing special.
6. Seung-Hoon Park mentioned that he has some idea about PFD (PAC framework documents) to share among the group members.
7. The chair announced his absence tomorrow. The vice chair, Huan-Bang Li, would lead the meeting tomorrow on behalf of the chair.
8. Zeynep Vatandas and Junbeom Hur presented “Technical Proposal for IEEE 802.15.8”(DCN: 15-13-0274-01-0008). Even though most part of presentation material was covered by Zeynep, authentication and security mechanism were presented by Junbeom.
9. Seung-Hoon Park presented “Suggestion for TG8 PFD(PAC Framework Document)” (DCN: 15-13-0325-00-0008) which was a suggestion from TG7 technical editors (Seung-Hoon Park and Byung-Jae Kwak)
10. The chair asked editors to make a draft of PFD ToC based on TGD and show it tomorrow. (refer to 15-13-0325-01-0008)
11. The meeting recessed at 2:54pm

**Thursday May 16th, 2013**

1. Room: Queens 6
2. The group reconvened at 08:00am.
3. The vice chair, Huan-Bang Li, leaded the meeting on behalf of the chair.
4. Attendees were asked to sign in the IMAT system for attendance.
5. Two issues were mentioned as an agenda to be dicussed today. One is ToC of the PFD and the other is the plan for the next meeting
6. Seung-Hoon Park introduced and explained “TG8 PAC Framework Document (Draft)” (DCN: DCN: 15-13-0328-00-0008).
7. There were a lot of comments and discussions on ToC. The results of all those comments and discussions were applied to the revision of the draft PFD (DCN: 15-13-0328-01-0008 or the latest version). The editor, Seung-Hoon Park, revised the draft PFD.
8. There were questions about the purpose of the draft PFD. Seung-Hoon answered that the ToC of the draft PFD was not a definitive ToC but just for the discussions and harmonizations. In order to give a clear answer to those questions, he read the “purpose” section in the first page of “TG8 PAC Framework Document (Draft)” (DCN: 15-13-0328-00-0008).
9. The vice chair showed “TG8 Call for Proposals (CFP)” (DCN: 15-13-0069-05-0008). He reminded the group members of both the submission deadline and the submission materials for the final proposal. No teleconference meetings were scheduled until July.
10. Seung-Hoon Park pointed out a need for correnction to the channel model used in TGD (DCN: 15-12-0568-05-0008). Specifically, “Equation 6” in “2.2.5.2 Path loss law” in the channel model document, “Channel models for TG8” (DCN: 15-12-0459-05-0008).
11. Marco Hernondes said that he would check the channel model and notify the result to the group members using the E-Mail Reflector.
12. The meeting adjourned at 09:13am.

The next meeting will be held during July 14-19, 2013 in Geneva, Switzerland.