**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 July 2012  |
| Date Submitted | 19 July, 2012 |
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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 802.15.8 Task Group PAC meeting held at the Hyatt Regency Atlanta, May 16 – 19, 2012.

 **Monday July 16th, 2012**

1. The Chair called the meeting to order at 1:30pm.
2. Chairman: Myung Lee, Secretary: Chanho Yoon
3. IEEE Patent Policy slides were shown.
4. The chair asked if there were any questions. None heard.
5. The document number describing the agenda for this week’s meeting is 15-12-0330-00-0008.
6. Attendees were asked to sign in the IMAT system for attendance.
7. There were no objections on approving the mintues on the last TG8 meeting in Atlanta.
8. The TG8 chair reviewed the upcoming events/timelines on TG procedures.
9. Jongtaek Oh from Hansung University presented (15-12-0313-00-0008) an introductory material called personalized environment service (PES).
10. There were comments on how to extract/apply/imbed suggested interwork between PAC and higher layer issues. In addition, it seems some of the PES use cases are already summarized in the latest application matrix.
11. Second presentation was given by Eldad from InterDigital. He suggested 15 technical attributes of PAC application matrix to specify the characteristics/requirements on categorized use-cases.
12. Hernandez presented Owada’s material (15-12-0365-00-0008).
13. Monday’s PM2 slot was cancelled.
14. The meeting recessed at 3:30pm.

**Tuesday July 17th, 2012**

1. The group reconvened at 8:00am.
2. Attendees were asked to sign in the IMAT system for attendance.
3. The group memebers heard the fourth presentation (15-12-0379-00-0008) by Hernandez from NICT. He suggested utilizing a new adaptation layer (perhaps belonging to the MAC level) for employing mesh rouing. There was a comment on whether to relay/forward other user’s packet to other terminal.
4. Eldad from InterDigital gave the fifth presentation (15-12-0345-00-0008) on technical guidance and requirements document (TGRD). The group members agreed on using the word “shall” be acceptable in the requirements section for TGRD. The group also reaffirmed that multiple simultaneous one-to-many communication links shall be supported. Simultaneous implies meeting the respective connection within required latency at the same time.
5. The meeting recessed at 10:30am.
6. The group reconvened at 11:00am.
7. The group continued on revising Eldad’s document in the requirements section.
8. The meeting recessed at 12:30pm.

**Wedsday July 18th, 2012**

1. The group reconvened at 1:30pm.
2. Attendees were asked to sign in the IMAT system for attendance.
3. Robert Moskowitz from Verizon gave the sixth presentation (15-12-0388-00-0008) of this week’s meeting. He suggested that use of MAC address is to locate the PAC device not to consider as a device’s secure identity. He stressed that the peer can not be found in case of a duplicate MAC address is present.
4. Igor Dotlic from NICT presented the next material (15-12-0408-00-0008). He suggested utilization of array antennas to PAC devices because some PAC devices may not have limitation on physical size for installment.
5. Shannon Park from Samsung showed the draft technical guidance document that had been circulated to the group before this week’s meeting. Most of the contents were premature to conclude/accept as it is. The document, in general, seems to contain some specific solutions which shall not be the TGD content. The chair suggested interested group members meet together separately and complete the TGD. Teleconference meeting was suggested as a method to accomplish such. However, given the time slot left for this week, group members agreed to eliminate specific method/solution(s) or type/category of solution(s) found in the draft.
6. The meeting recessed at 3:30pm.
7. The group reconvened at 4:00pm.
8. The continued on editing the technical guidance document to eliminate any indication of solutions and ambiguity.
9. The meeting recessed at 6:00pm.

**Thursday July 19th, 2012**

1. The group reconvened at 8:12am.
2. Attendees were asked to sign in the IMAT system for attendance
3. Sunggeun Jin from ETRI gave a presentation on the PAC applicatoin matrix as the TG technical editor.
4. The material from Eldad Zeira (InterDigital) was used for discussing the application matrix.
5. TG members reviewed technical attributes of each application, and had discussions.
6. After the consensus had been made, some attributes were revised.
7. The revised material is uploaded to the mentor server. The document number is 15-12-0350-03-0008.
8. The meeting recessed at 10:30pm.
9. The group reconvened at 10:45am.
10. Byung-Jae Kwak from ETRI presented 15-12-0411-00-0008. Some technical issues regarding PAC device implementation were brought up. Hidden/exposed node problem was reminded when if the 1-hop transmission range of PAC device is large, and, of course, the occation of detecting/filtering huge number of PAC devices.
11. The group members agreed upon having a teleconference meeting to finalize the application matrix and technical guidance document.
12. Teleconference bridges will be provided by LGE. The telephone number and the access code is
	* International: 1-877-668-4493
	* Access code: 627805157
13. Tentative schedule and objectives for the teleconference meeting will be:
	* Aug. 21st (TUE): US EST 8:00pm, US PST 5:00pm, Japan/Korea 9:00am, China: 8:00am.
		1. Review of application matrix and TGD
	* Sept. 4th (WED): US EST 9:00am, US PST 6:00am, Japan/Korea 10:00pm, China 9:00pm.
		1. Final review of application matrix and TGD
		2. Preparation of Sept. meeting
14. Confusion/inconsensus on naming the formerly known as technical guidance and requirement document was an issue. Three abbreviations were suggested by the chair: technical guidance document (TGD), technical guidance and requirements document (TGRD) or technical requirements document (TRD). As a result, strawpoll was proceded for fixing the document name. The result was TGD: 16, TGRD: 2, TRD: 0.
15. The chair urged PAC members to upload contribution documents no later than a week before teleconference meeting and face-to-face meeting starts. However, revisions of the contribution documents could be uploaded just prior to its presentation.
16. As Suhwook Kim from LG volunteered to maintain TG8’s WWW site, he showed his latest work (http://www.ieee802.org/15/pub/TG8.html). There were no objections on accepting the PAC group’s homepage as it is.
17. Official TG8 secretary has not been nominated yet.
18. The meeting adjourned until next session in Sept. 2012, Indian Wells, CA.

The next meeting will be held during Sept. 17-21, 2012, at the Hyatt Grand Champions Manchester Grand Hyatt, Indian Wells, CA.