**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 Sept. 2012  |
| Date Submitted | 20 Sept., 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 Palm Springs, Sept. 18 – 20, 2012.

 **Tuesday Sept. 18th, 2012**

1. Room: Desert Vista B
2. The Chair called the meeting to order at 8:00am.
3. Chairman: Myung Lee, Secretary: Chanho Yoon
4. IEEE Patent Policy slides were shown.
5. The chair asked if there were any questions. None heard.
6. The document number describing the agenda for this week’s meeting is 15-12-0447-00-0008.
7. Attendees were asked to sign in the IMAT system for attendance.
8. There were no objections on approving the mintues on the last TG8 meeting in San Diego.
9. The chair reviewed this week’s agenda.
10. The chair suggested reviewing the documents 15-12-0466, 15-12-0465, and 15-12-0385 to facilitate Eldad’s comments (DCN: 15-12-0465).
11. The meeting recessed at 10:00am.
12. The group reconvened at 10:30am.
13. Shannon presented a document (DCN: 15-12-0476) on editorial procedure for TGD. He suggested keeping two separate documents to maintain/track TGD. One is the “draft TGD” and the other is the “agreed/clean TGD”. A staw poll on adopting the above methodology for TGD editorial process was done. The result: Yes 8, No 4.
14. Second presentation was given by Huan-bang Li. He suggests utilizing IR-UWB scheme for PAC, especially on high precision indoor ranging applications. He mentioned that frame synchronization with a common beacon reference among devices should be completed before ranging procedure is initated. Li’s presentation is followed by Shannon’s another presentation.
15. He showed the document on details of TGD modification.
16. Fourth presentation (DCN: 15-12-0478) was given by Sunggeun Jin. He insisted that PAC network should complete device discovery within tens or hundreds of milliseconds, and the usefulness of considering support of service discovery procedure in the MAC layer.
17. The meeting recessed at 12:30pm.

**Wednesday Sept. 19th, 2012**

1. Room: Desert Vista B
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. It is scheduled to call for proposal on Thursday. However, considering the progress of application matrix and TGD, delay of call for proposal is well in consideration.
5. Sunggeun Jin showed the latest PAC application matrix (DCN: 15-12-0350r3). Few have been changed since the last session #80. A few descriptions of applications were missing. The group members agreed to look over the application matrix once again before finalization.
6. The group members overviewed 15-12-0509r1. There was inconsensus in the TGD section that describes definition of group communication of PAC devices. Identified PDs and groups. A straw poll (Yes: 7, No: 2, Abs: 0) for differenciating the term meaning between identified PDs and groups was done.
7. The meeting recessed at 3:30pm.
8. The group reconvened at 4:00pm.
9. Attendees were asked to sign in the IMAT system for attendance.
10. The group members heard the revised Application Matrix (AM) by Sunggeun Jin and discussed the navigation application.
11. There will be motion for adopting AM after revising AM by editor.
12. Technical editor, Shannon Park, showed the comments about each topic. (DCN: 15-12-0509-01)
13. The group members discussed on the comments and made consensus on some topics.
14. The meeting recessed at 6:00pm.

**Thursday Sept. 20th, 2012**

1. Room: Desert Vista B
2. The group reconvened at 8:00am.
3. Attendees were asked to sign in the IMAT system for attendance.
4. Marco from NICT presented the “TG8 channel models (DCN: 15-12-0459-01)”.
5. He revised some subclauses, and provided Matlab codes for simulation. He will add MIMO channel models.
6. Marco also presented the “Antenna Configurations for PAC devices (DCN: 15-12-0533-00)”. He suggested inserting texts describing about antenna configuration for TGD.
7. Shannon Park from Samsung presented the “Defining Peer Discovery and Group (DCN: 15-12-0534-00)”.
8. The group members discussed what the definition of discovery and group is.
9. The meeting recessed at 10:00am.
10. The group reconvened at 10:30am.
11. After discussion, the group members revisited the comments on each topic stated in 15-12-0509-01.
12. The group did a straw poll on accepting the description about support of prioritized access on as a part of Multiple Access scheme in part 6.1. In favor: 4, Opposed: 8.
13. Did another straw poll on support for periodic ranging as a part of synchronization process in section 6.2. In favor: 2, Opposed: 5, Abstain: 3.
14. The meeting recessed at 12:30pm.
15. The group reconvened at 2:00pm.
16. The group members revisited the TGD (DCN: 15-12-0385-04).
17. The meeting recessed at 3:30pm.
18. The group reconvened at 4:00pm.
19. The group members agreed upon having a teleconference meeting to finalize the application matrix and technical guidance document.
20. Teleconference bridges will be provided by LGE. The telephone number and the access code is
	* International: 1-877-668-4493
	* Access code: 627805157
21. Tentative schedule and the objectives for the teleconference meetings will be:
	* Oct. 9th (TUE): US EST 8:00pm, US PST 5:00pm, Japan/Korea 9:00am, China: 8:00am.
		1. Discussions on TGD
	* Oct. 30th (TUE): US EST 9:00am, US PST 6:00am, Japan/Korea 10:00pm, China 9:00pm.
		1. Discussions on TGD and call for proposal (CFP)
		2. Preparation of Nov. meeting
22. The group members revisited TGD 15-12-0385-05. There was a motion to accept the channel model suggested by contribution document DCN:15-12-0459 as the group’s reference model (or part of the technical guidance document). In favour: 7, opposed: 1, abstain: 3.
23. The meeting recessed at 5:00pm.

The next meeting will be held during Nov. 12-16, 2012, at the Grand Hyatt San Antonio, San Antonio, TX.