**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. 2013. |
| Date Submitted | 26th Sept. 2013 |
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| Re: |  |
| Abstract | Task Group minutes of the IEEE 802.15.8 Interim Meeting in Nanjing, China. |
| Purpose | To record the minutes of the IEEE 802.15.8 meeting at session #87. For approval at Session #88. |
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These are the minutes of IEEE 802.15.8 Task Group PAC meeting held at Zhong Shan Hotel, Sept. 15-20, 2013.

**Monday Sept 16th, 2013**

1. Room: JinLing Hall.
2. The Vice Chair, Huan-Bang Li, led the meeting on behalf of the Chair.
3. The Vice Chair called the meeting to order at 13:35 pm.
4. The document number describing the agenda for this week’s meeting was DCN 15-12-0489-00-0008.
5. Attendees were asked to sign in the IMAT system for attendance.
6. There were no objections on approving the minutes (DCN: 15-13-0476-02-0008) on the previous TG8 meeting held at the International Telecommunications Union, July 15-18, 2013.
7. The MAC Editor, Byung-Jae Kwak, announced that he was going to upload the latest categorization excel file (DCN: 15-13-0427-04-0008).
8. The Vice Chair, Huan-Bang Li, reported the result of the 1st teleconference took place on August 6, Tuesday 8:00 PM US EDT showing the email sent to the PAC email reflector on Aug. 7.
9. The other Vice Chair, Suhwook Kim, reported the result of 2nd teleconference took place on August 27, Tuesday 9:00 AM US EDT.
10. Presentation time schedule for all the submitted contribution documents was allocated by the Vice Chair.
11. Discussion on the agenda was over at 14:17.
12. The agenda was approved without objection of the attendees
13. The categorization excel file (DCN: 15-13-0427-04-0008) was presented and explained by the MAC Editor, Byung-Jae Kwak.
14. There was discussion on technical items colored yellow in the “MatirxStyle” sheet.
15. After discussion, “Initial random access procedure” column colored yellow was deleted.
16. The MAC Editor, Byung-Jae Kwak, presented “Summary of E-mail discussion on PAC technical issues” (DCN: 15-13-0520-00-0008).
17. Discussion on DCN 520-00 was led by both of two editors, Byung-Jae Kwak and Seung-Hoon Park.
18. Result of discussion on synchronization, such as definition of centralized/distributed synchronization, was included in the revised document (DCN: 15-13-0520-01-0008).
19. The meeting was recessed at 15:27.
20. The group reconvened at 16:04.
21. The Vice Chair revisited the agenda (DCN 15-12-0489-01-0008).
22. The Vice Chair announced that discussion on synchronization would be followed by after two presentations.
23. Marco Hernandez presented his latest revision of “Channel models for TG8” (DCN: 15-12-0459-07-0008). He said that there were simple changes in "2.2.6.2 Path loss law" and MATLAB code in the clause “2.2.6.4”.
24. Marco Hernandez presented “Comment and resolution to TGD” (DCN: 15-13-0407-01-0008).
25. Marco Hernandez presented “Comment and resolution for system level simulations in TGD” (DCN: 15-13-0492-00-0008).
26. Qing Li presented “Simulation Results for Final Proposal” (DCN: 15-13-0485-00-0008).
27. All the presentations were over at 17:24.
28. Discussion on synchronization in DCN 520-01 was resumed.
29. Discussion was led by two Editors.
30. The meeting was recessed at 18:04.

**Tuesday Sept 17th, 2013**

1. Room: JinLing Hall.
2. The group reconvened at 08:03.
3. The Vice Chair, Huan-Bang Li, led the meeting on behalf of the Chair.
4. Attendees were asked to sign in the IMAT system for attendance.
5. Suhwook Kim presented "Performance evaluation for query-based discovery" (DCN: 15-13-0518-00-0008)
6. Huan-Bang Li presented “New Simulation Results on PAC Discovery” (DCN: 15-13-0529-00-0008)
7. All the presentations were over at 09:11.
8. Discussion on synchronization in DCN 520-02 was resumed.
9. Discussion was led by two Editors.
10. All the proposers relevant to synchronization declared their category to which their proposal belonged.
11. A new thread, “Application-specific network management”, and its detail issues were created by Qing Li and Seong-Soon Joo.
12. Seungkwon Cho gave a brief explanation for the motivation and suggested categorization of “Where does the discovery occur?” which was the first issue of thread II.
13. Regarding the first issue of thread II, attendees agreed to create another categorization instead of In-band/Out-band.
14. The meeting was recessed at 10:02.
15. The group reconvened at 10:38.
16. The Vice Chair, Huan-Bang Li, led the meeting on behalf of the Chair.
17. Hyungjin Kim presented “Enhancing and missing simulation result for PAC operating in synchronous mode (PHY)” (DCN: 15-13-0486-00-0008).
18. Soojung Jung presented “Enhancing and missing simulation result for PAC operating in synchronous mode (MAC)” (DCN: 15-13-0487-01-0008).
19. Discussion on thread II in DCN 520-03 was resumed.
20. Discussion was led by two Editors.
21. Discussion on the first issue of thread II created a new categorization and all the proposers relevant to discovery declared their category to which their proposal belonged.
22. Seungkwon Cho gave a brief explanation for the motivation and suggested categorization of “How does the discovery information flow?” which was the second issue of thread II.
23. The second issue of thread II was discussed.
24. The meeting was recessed at 12:16.
25. The group reconvened at 13:34.
26. The Vice Chair, Suhwook Kim, led the meeting on behalf of the Chair.
27. Jinyoung Chun presented “Consideration on multi-channel operation” (DCN: 15-13-0508-00-0008)
28. Seung-Hoon Park presented “Technical Discussion on Peer Discovery” (DCN: 15-13-0553-00-0008)
29. Presentations were over at 14:14.
30. Discussion on the second issue of thread II in DCN 520-05 was resumed.
31. Discussion was led by two Editors.
32. All the proposers relevant to the second issue of thread II declared that they supported all three discovery types.
33. Discussion on the second issue of thread II was over at 15:04.
34. Seungkwon Cho gave a brief explanation for the motivation and suggested categorization of “How to use IDs defined in TGD in order to build discovery message?” which was the third issue of thread II.
35. Seong-Soon Joo gave a detail description of his idea for the third issue of thread II showing page 8 ~ 10 of “TG8 PAC Link Layer Specification” (DCN: 15-13-0367-01-008) which was presented in the July meeting in Geneva, Switzerland.
36. The meeting was recessed at 15:30.
37. The group reconvened at 16:02.
38. The Vice Chair, Suhwook Kim, led the meeting on behalf of the Chair.
39. Attendees were asked to sign in the IMAT system for attendance.
40. Revision of Technical Guidance Document (TGD, DCN: 15-13-0568-07-0008) was discussed.
41. A motion was made to revise TGD.
42. Motion: To accept “Comment and resolution to TGD” (DCN: 407-01) as part of TGD (clause 9.4.1.1 ES/N0 Calculation) (DCN: 568-07)
Mover: Marco Hernandez
Seconder: Seung-Hoon Park
Vote: 8-0-2 (Passed)
43. Seong-Soon Joo presented “Interference Avoidance Issues for the Distributed Controlled Multiple Peer Networks” (DCN: 15-13-0557-00-0008)
44. Seung-Hoon Park presented “Revisit the Rational of Fully Distributed Coordination” (DCN: 15-13-0559-00-0008)
45. Presentations were over at 17:25.
46. Discussion on the third issue of thread II, “How to use IDs defined in TGD in order to build discovery message?”, in DCN 520-05 was resumed.
47. Discussion was led by two Editors.
48. Discussion on the third issue of thread II was over at 17:31 and further discussion was left to email discussion.
49. Thread III was discussed.
50. Even though all the issues of thread III, such as duplex, Multiplex, multiple access, and channelization, were discussed, insufficient time for discussion made most of them to be discussed on email reflector.
51. The meeting was recessed at 17:59.
52. **Wednesday Sept 18th, 2013**
53. Room: JinLing Hall.
54. The group reconvened at 08:07.
55. The Vice Chair, Suhwook Kim, led the meeting on behalf of the Chair.
56. The Vice Chair revisited the agenda (DCN: 15-12-0489-03-0008).
57. Showing “Summary of E-mail discussion on PAC technical issues” (DCN: 15-13-0520-00-0008), the Vice Chair summarized the result of discussion during this week’s meeting.
58. The Vice Chair presented a draft version of “TG8 Closing Report” which would be uploaded with DCN: 15-13-0558-00-0008.
59. There was discussion on the plan for the next meeting in November.
60. The results of discussion on the plan for the next meeting were:
61. Two teleconferences
	1. 1st teleconference
		1. October 15, Tuesday 8:00PM US EDT (9 AM WED KOREA/JAPAN)
		2. Agenda: Discussion on pre-fixed items based on e-mail threads
	2. 2nd teleconference
		1. October 29, Tuesday 9:00 AM US EDT (10 PM TUE KOREA/JAPAN)
		2. Agenda: Discussion on harmonization report is possible
62. Proposers are recommended to prepare report for discussion result of the group to which the proposal belongs (refer to DCN 520-05).
63. There was discussion on items to be discussed on email reflector.
64. The result of discussion on items to be discussed on email reflector was:
65. Discussion items included in DCN 520-r5 have the 1st priority.
66. The meeting adjourned at 10:05.

The next meeting will be held during November 10-15, 2013 – Dallas, Texas USA.