**IEEE P802.15**

**Wireless Personal Area Networks**

|  |  |
| --- | --- |
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | Minutes of IEEE 802.15.8 TG teleconference meeting on December 17th ET, 2014  |
| Date Submitted | December 17th , 2014 |
| Source | Marco Hernandez (NICT) |
| Response |  |
| Abstract |  |
| Purpose | For reference in TG8  |
| Notice | This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. |
| Release | The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15. |

**Content**

1. Minutes 3

1. Minutes

**Chair:** Prof. Myung Lee (CUNY) USA.

**Secretary:** Marco Hernandez (NICT), Japan.

 ===================================================================

Wednesday December 17th, 7:00 AM ET.

**Participants:** Qing, Marco, Prof. Lee, Igor, BJ.

 **−**Chair calls the teleconference meeting to order.

**Chair:** The agenda for this teleconference is to check the progress of items assigned to champions during the last meeting. Such items are in DCN 14-657r2:

Sync (BJ and Shannon)—By Jan 2015

Discovery (Shannon—TBD: presentation & disc Jan. 2015)

PHY interface with MAC: Marco and BJ

Peering (March 2015)

MAC: Qing and Nov. 2014 (BJ)

PHY interface with MAC: Marco and BJ

Communication period

CAP: BJ (Nov 2014)

Channel Selection (Nov. 2014: HB Li)

CAP: BJ ( By Jan 2015)

CFP: Shannon (By Jan 2015)

Transmit power control

CFP done (Marco)

CAP: Qing (Presentation and discussion on Jan 15)

Power management (BJ and Qing: Presentation and discussions on Jan 15)

Relative positioning: UWB by Igor presentation and discussion on Jan 15)

Security (interface to KMP: PHY security BJ March 2015)

**Chair:** About synchronization, BJ?

**BJ:** I am still running simulations especially for re-synchronization and maintaining synchronization.

Shannon wants to see more proof if the 180 degrees rule is optimal. I will report those simulations in the January meeting. Also, I am trying to simulate 2 PAC groups for synchronization. Hope I can finish by January. Also, I am running simulations for the adaptive random access for CAP, but I am giving priority to synchronization.

**Chair:** Are you going to discuss with Shannon?

**BJ:** Yes, I will contact him as soon as I can.

**Chair:** Next is discovery. What about the PHY interface to the MAC for discovery? Marco?

**Marco:** I sent an email about it to BJ, but he did not reply.

**BJ:** Sorry for that, I have been busy with synchronization, but I think we can start a discussion by email soon.

**Marco:** Ok, I will wait for your email.

**Chair:** Next is peering. We have BJ and Qing by March and PHY interface with Marco and BJ. Marco?

**Marco:** It is the same situation that discovery. We will discuss it by email ASAP.

**BJ:** Yes.

**Chair:** Ok. Qing?

**Qing:** I do not have comments right now. I will be available soon to work on peering.

**BJ:** A have a general comment about peering. It is not simple, it involves several procedures. Currently, I am designing a random access for peering.

**Qing:** That is ok for me; we can start discussing by email.

**Chair:** Good plan to go.

**Chair:** Next is communication period. Basically, I think it is done.

**BJ:** We have high level definitions; we still need details and optimization. The protocol should provide best performance regardless of packet size.

**Chair:** Next is channel selection. H.B Li is not here, although he presented something in the last meeting.

**BJ:** I do not remember what happened.

**Chair:** Marco?

**Marco:** We decided that frequency channel selection is done by higher layers. H.B. Li presented a proposal how to speed up the process of selection by following a list with certain rules. However, the proposal was decided as optional.

**Chair:** Ok, it seems this item is done.

**Chair:** Next is power control. Qing?

**Qing:** I will have a presentation by the January meeting.

**BJ:** Can we have a discussion by email about PC for CAP before the January meeting?

**Qing:** Yes.

**Chair:** What about power management?

**Qing:** BJ do you want to discuss it too?

**BJ:** Yes, please lead the discussion.

**Chair:** Next is relative positioning. Igor?

**Igor:** I will present something based on the UWB PHY proposal.

**Chair:** Next is security. We need to provide the interface for security. Also BJ wants to provide a contribution for PHY layer security; BJ?

**BJ:** I am working on it.

 **Chair:** BJ, any comment on the status of the Draft Standard?

**BJ:** So far, the draft status is version 0.6 (approved version). TG8 contributions for the

January meeting will be used for v 0.7.

**Chair:** About the Atlanta meeting, I will clarify the number of sessions with Bob.

**Chair:** for today's meeting that is all, comments?

**Qing:** Question for BJ, my presentation and text for power control, which version should I use?

**BJ:** v 0.6. It was circulated already.

**Chair:** It must be in the private area as well.

**BJ:** As I need to send the draft to Rick Alvin in order to upload it to the private area, I decided to circulate it by email.

**Chair:** That is fine, but it should be in the private area as well.

**BJ:** Ok.

**Chair:** More comments? Hearing none, I wish you happy holidays, see you in Atlanta. The teleconference is adjourned.