**IEEE P802.15**

**Wireless Personal Area Networks**

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| 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  |
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| Source | Marco Hernandez (NICT) |
| Response |  |
| Abstract |  |
| Purpose | For reference in TG8  |
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**Chair:** Prof. Myung Lee (CUNY) USA.

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

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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:** I 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.