**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | 802.15 TG4t (HR) Minutes for January 2016 Mtg. | |
| Date Submitted | [20 January, 2016] | |
| Source | [Clint Powell] [PWC, LLC] | Voice: [+1-480-586-8457] Fax: [ ] E-mail: [cpowell@ieee.org] |
| Re: | [TG4t (HR) meeting minutes.] | |
| Abstract | TG4t (HR) minutes from the January Atlanta Mtg. | |
| Purpose | [TG4t (HR) meeting minutes.] | |
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**Minutes for IEEE 802.15 TG4t (HR)**

**Atlanta Meeting**

**17-21 January, 2016**

**Chair - Clint Powell**

**Monday AM2 (January 18)**

Chair called the meeting to order at 10:35am.

**Patent Policy and call for Essential Patents**

Chair called the group’s attention to the IEEE patent policy and made a call for notification of essential patents. There were no responses.

**Opening Report (doc# 15-16-0054-00)**

Meeting Objectives

* Recap Nov. 802.15 Plenary and Current Status
* Agenda and Mins. Approval
* Review PAR and CSD
* Review Responses to Call for Intent & Hear Presentations
* Develop TGD
* Develop Call for Proposals
* Next Steps

**Approval of Prior Mtg. Minutes (doc# 15-15-0953-00)**

Motion to approve the July meeting minutes: (doc# 15-15-0953-00)

Moved: Ed Callaway Second: Kunal Shah

There was no discussion and no objections therefore the motion passed and the minutes were approved unanimously.

**Review and Approval of Agenda (doc# 15-15-** **0985-01)**

The order of presentations is adjusted for the week. Doc 985r2 is the modified agenda.

Motion to approve the agenda: (doc# 15-15-0985-02)

Moved: Ed Callaway Second: Kunal Shah

There was no discussion and no objections therefore the motion passed and the agenda was approved unanimously.

**PAR and CSD**

The Chair quickly reviewed the PAR and CSD.

**Presentations from Responses to Call for Intent**

Presentation of “Thoughts on a 2Mbps PHY for 802.15.4”, doc. #15-16-0059-00,  
presented by Henk de Ruijter (Silicon Labs).

* Proposed a 2Mbps PHY based on GMSK, similar to Bluetooth 5.0
* Would provide a path of 802.15.4 into smart phones
* An alternative direction is O-QPSK with same header as existing O-QPSK PHY

Presentation of “A Simple System Kept Simple”, doc. #15-16-0042-00,  
presented Ed Callaway (ARM, Inc.).

* The proposal was similar to the 1st proposal

**TGD**

Chair presented some examples of TGD and TRD document structure. Group agreed to the Chair generating a draft TGD based on the TG4g and TG4q TGD documents, and for the group to then review during the next session (Tues. AM2).

**AOB**

Closing report will be given at the mid-week plenary.

The Task Group went into recess at 11:36am until the Tuesday AM2 session.

**Tuesday AM2 (January 19)**

Chair called the meeting to order at 10:35am.

**Patent Policy and call for Essential Patents**

Chair called the group’s attention to the IEEE patent policy and made a call for notification of essential patents. There were no responses.

**TGD**

The group reviewed the draft TGD and then the chair posted it for all to review before and provide feedback during the Wed. AM1 (final) Session. The TGD was posted as  
doc. # 15-16-0088-00-004t-tg4t-tgd.

**Call for Proposals**

Group agreed to the Chair generating a draft CFP, and for the group to then review and finalize it at the Wed. AM1 Session.

The Task Group went into recess at 11:30am until the Wednesday AM1 session.

**Wednesday AM1 (January 20)**

Chair called the meeting to order at 8:05am.

**Patent Policy and call for Essential Patents**

Chair called the group’s attention to the IEEE patent policy and made a call for notification of essential patents. There were no responses.

**TGD**

The group reviewed feedback on the draft TGD and then accepted all of the changes made.

**Call for Proposals**

The group reviewed the draft CFP, discussed and made changes, and then accepted all of the changes made. The Chair will send out the Call for Proposals after giving the closing report at the 802 Jan. 2016 Interim Mtg.

**Timeline / Next Steps**

The Chair reviewed the timeline, shown in the closing report - doc. # 15-16-0054-01, and then discussed a couple opportunities for pulling in the schedule.

**Secretary**

The group decided not to elect a secretary at this point, but to use volunteers for the time being.

**Adjourned**

Chair asked if there were any objections to adjourning. None were heard.

The meeting was adjourned at 8:41am.

**Text for Call for Proposals**

Dear All,  
  
This is a Call for Proposals for 802.15 TG4t, an Amendment to IEEE Standard 802.15.4: defining a physical layer for IEEE Std. 802.15.4 current revision, capable of supporting 2 Mb/s data rates, utilizing the 2400 - 2483.5 MHz band, having backwards-compatibility to, and the same occupied bandwidth as, the present 2450 MHz O-QPSK physical layer, and capable of simple implementation.

The full 802.15.4t PAR can be found here:

<https://mentor.ieee.org/802.15/dcn/15/15-15-0738-01-0000-15-4t-hr-par-draft.rtf>

Proposers will be expected to present their full proposals at the upcoming 802.15 WPAN meeting which will be held at the Sands Venetian Hotel Macau.  
  
A technical guidance document (TGD) has been developed by TG4t and can be found at:

<https://mentor.ieee.org/802.15/dcn/16/15-16-0088-01-004t-draft-tgd-for-tg4t.docx>. Proposers are asked to follow the TGD and include at a minimum all of the information outlined in the TGD in their proposals.

Those who wish to make a proposal are requested to prepare and submit their proposal documents to the TG4t area of the IEEE 802.15 document server by 6pm (Pacific) on Tuesday March 8, 2016.

Please notify me by email by 6pm (Pacific) on Wednesday March 9, 2016 of your intention to present a proposal, (including the document number, expected duration of the presentation and time expected for Q&A).

If you have any questions please reply directly to me at [cpowell@ieee.org.](mailto:cpowell@ieee.org.)