**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | TG3d January 2016 Meeting Minutes |
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| Re: |  |
| Abstract | Meeting notes on the 802.15 TG3d January 2016 Meeting |
| Purpose | Meeting Minutes |
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**Minutes of the January 2016 TG3d Meetings**

The TG3d meeting was held on 19-21 January 2016.

**<<Meeting #1 Tue AM1>>**

- Meeting was called to order at 8:00.

- The patent policy was mentioned and no patent contributions were discussed.

- Approval of the agenda (15-15-0992r02)

Approved with unanimous consent.

- Approval of meeting minutes of the last meeting(15-15-0879r00).

 Approved with unanimous consent.

- Listening Contributions:

**Contribution #1:**

Iwao Hosako (NICT), “Comments and Contributions to Documents related to Call for Proposals,” (15-16-0047r00)

Comments on TG materials for CfP and proposes the extension of finalizing the documents. Mentioned updates would be presented in March meetings.

**Contribution #2:**

Alexander Fricke (TU Braunschweig), “Channel Model for Intra-Device Communications,” (15-16-0043r00)

Proposed the channel for Intra-device communication scenario.

**Contribution #3:**

Alexander Fricke (TU Braunschweig), “Channel Model for Intra-Device Communications Text Proposals,” (15-16-0081r00)

Text update for the channel modeling documents for including the contribution above (15-16-0043r00).

(Continued to PM2)

- Recess at 9:58.

**<<Meeting #2, Tue AM2, Joint meeting with IG THz #1>>**

Meeting was called to order at 10:55.

- The patent policy was mentioned and no patent contributions were discussed.

- Approval of agenda for IG THz (15-15-0991r02)

 Approved with unanimous consent.

- Listening contributions:

**Contribution #4:**

Iwao Hosako (NICT), “Information on WRC-19 agenda item 1.15,” (15-16-0076r01)

Provided the information on WRC-19 agenda item 1.15

**Contribution #5:**

Thomas Kuerner (TU-Braunschweig), “Contribution from iBROW on the CfC to ITU-R Liaison Statement,” (15-16-0034r00)

Input from the Horizon 2020 iBROW Project to the TG3d Call for Contributions to the Response on the Liaison Statement from ITU-R WP1A.

**Contribution #6:**

Thomas Kuerner (TU-Braunschweig), “Contribution from TERAPAN on the CfC to ITU-R Liaison Statement,” (15-16-0082r00)

Input from the TERAPAN Project to the TG3d Call for Contributions to the Response on the Liaison Statement from ITU-R WP1A.

- Discussion on Liaison Statement to ITU-R (15-15-0699r04)

- Discussion on Liaison Statement to ETSI (IGSmWT) (15-15-0722r01)

- Agenda update to 15-15-0991r03

Changed the Wed AM TG3d meeting into a joint TG3d + IG THz meeting in order to finalize the ITU-R liaison statement.

Approved with unanimous consent. No discussion or objection followed.

Recess at 11:40.

**<<Meeting #3, Tue PM2>>**

Meeting was called to order at 16:01.

- The patent policy was mentioned and no patent contributions were discussed.

- Listening contributions: (continued from AM1 meeting)

**Contribution #3:** (Continued from AM1 meeting)

Alexander Fricke (TU Braunschweig), “Channel Model for Intra-Device Communications Text Proposals,” (15-16-0081r00)

Text update for the channel modeling documents for including the contribution above (15-16-0043r00).

No objection followed to include it into the CMD for review in the following meetings.

- Discussion on technical requirements document, TRD (15-14-0309r15)

 Revised. Would be uploaded as r16 on the mentor for review until Wed AM1.

- Discussion on evaluation criteria documents, ECD (15-15-0412r08)

 Revised. Would be uploaded as r09 on the mentor for review until Wed AM1.

Recess at 16:40.

**<<Meeting #4, Wed AM1, Joint meeting with IG THz #2>>**

Meeting was called to order at 8:10.

- Discussion on TRD (15-14-0309r16)

 This revision is approved to be a clean version of the document r17 uploaded during this meeting.

- Discussion on ECD (15-15-0412r09)

 This revision is approved to be a clean version of the document r10 uploaded during this meeting.

- Discussion on the channel modeling document (15-14-0310r16)

- Discussion on call for proposals, CfP (15-15-0936r02)

Kuerner proposed the plan below, there was no objection on that.

March: Issue CfP

July: Initial presentation of proposals

September: Final full presentation of proposals

- Work/Motion on Liaison Statement to ITU-R (15-15-0699r05)

- Motion: request that the text proposal contained in 15-15-0699-05-003d be approved for submission for the WG for approval and further submission to 802.18.

Move by Kuerner

Seconded by Hosako

Motion carried with Yes/No/Abstain = 7/0/0.

Recess at 9:43.

**<<Meeting #5, Thu PM1>>**

Meeting was called to order at :.

- The patent policy was mentioned and no patent contributions were discussed.

- Listening contribution:

 **Contribution #7:**

 Alexander Fricke (TU-Braunschweig), “Thoughts on Channel Realizations,” (15-16-0127r00)

Discussion on the channel model realizations

 Approximate data size is 3000 values \* 100 responses.

Agreed on:

 - Form: Transfer function in frequency domain rather than channel impulse response in time domain

- File type: ASCII type file with appropriate variable names, indices and comments.

 - Uploading: On mentor, embedded in CMD if possible.

 - Frequency resolution has to be chosen to cover the sufficient maximum excess delay

- Review of the ToDos (15-15-0757r02)

 - Updated and would be uploaded as r03

 CMD, TRD, and ECD will be finalized in March

- Time planning (15-14-0155r09)

 Updated and would be uploaded as r10

- Teleconference plan

- February 9

- 9:00-11:00 in Germany = 17:00-19:00 in Japan.

Adjourned at 14:31.

**Tasks completed during the meeting:**

- 7 contributions on

 - Channel modeling

 - Documents (CMD, TRD, ECD and CfP)

 - Evaluation criteria

 - A agenda item for WRC19

 - Liaison statements to ITU-R and ETSI

- Updates on documents related to the call for proposals (CfP)

 - CMD

 - TRD

 - ECD

 - CfP

**Next steps:**

* Before March session
	+ 1 conference call on 9 February 2016 at 9-11h (CET) / 17-19h (JST)
* March: Issue CfP
* July: Initial presentation of proposals
* September: Final full presentation of proposals