**IEEE 802.15**

**Wireless Specialty Networks (WSN)**

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| Project | IEEE P802.15 Working Group for Wireless Specialty Networks (WSN) | |
| Title | **802.15 TG4ad Minutes May 2024** | |
| Date Submitted | [16 May 2024] | |
| Source | [Phil Beecher]  [Wi-SUN Alliance] | email: [pbeecher@wi-sun.org] |
| Re: | [May 2024 802.15 Session] | |
| Abstract | [IEEE 802.15 TG4ad Minutes] | |
| Purpose | [IEEE 802.15 TG4ad Minutes] | |
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**Monday PM1**

13:30: Meeting called to order by Beecher.

Chair, Phil Beecher shows 15-24-0254-00-04ad TG4ad Opening Report

Chair reads patent policy and calls for essential patents. There are no declarations.

Chair shows agenda

No additions, discussion or objections, approved by unanimous consent.

Minutes for the March session of the Study Group <https://mentor.ieee.org/802.15/dcn/24/15-24-0190-00-04ad-sg-next-gen-sun-phy-march-2024-meeting-minutes.docx>

No discussion or objections, approved by unanimous consent.

Minutes for the Study Group conference call <https://mentor.ieee.org/802.15/dcn/24/15-24-0213-00-04ad-minutes-of-the-sg-next-gen-sun-phy-teleco-on-apr-24-2024.docx>

No discussion or objections, approved by unanimous consent.

Chair shows Slide 17 of Opening report – TG4ad leadership. Chair states that he wishes to appoint Joerg Robert and Hiroshi Harada as Vice Chairs – no discussion or objection, Vice chairs appointed.

**Tuesday PM2**

16:00 Call to order by Beecher

Call for patents, none declared

2 requests to present: Sangsung Choi, and Hiroshi Harada

16:04 Sangsung Choi presents <https://mentor.ieee.org/802.15/dcn/24/15-24-0272-00-04ad-applicability-of-ng-sun-to-time-sensitive-industrial-applications.pdf>

Questions about bandwidth requirements and if the PAR permits operation in 6GHz.

16:45 Hiroshi Harada presents <https://mentor.ieee.org/802.15/dcn/24/15-24-0287-01-04ad-fundamental-field-experiments-of-ofdma-systems-using-vhf-band-in-urban-area.pptx>

Question about VHF band – Hiroshi Harada confirms VHF is 170MHz – 195MHz

17:00 Joerg Robert presents <https://mentor.ieee.org/802.15/dcn/24/15-24-0282-00-04ad-proposal-for-tg15-4ad-channel-models.pptx> proposing channel model.

17:10 Hiroshi Harada presents <https://mentor.ieee.org/802.15/dcn/24/15-24-0290-00-04ad-channel-model-proposal-for-ieee-802-15-4ad.pptx> proposing channel model.

Discussion about preferred channel model ensued. Joerg shows 3GPP TR25.996 V18.0.0 (2024-03)

Further discussion ensued. Group decides to defer decisions on channel models.

**Wednesday PM1**

13:30 Meeting called to order by Beecher. Call for patents, none declared

Presentation from Joerg Robert: <https://mentor.ieee.org/802.15/dcn/24/15-24-0283-01-04ad-proposal-for-tg15-4ad-interference-model.pptx>

Discussion about interference simulation. No consensus reached.

Joerg Robert references <https://mentor.ieee.org/802.15/dcn/17/15-17-0037-01-lpwa-proposal-for-sub-ghz-interference-model.pptx> for consideration.

14:17 Hiroshi Harada presents <https://mentor.ieee.org/802.15/dcn/24/15-24-0290-02-04ad-channel-model-proposal-for-ieee-802-15-4ad.pptx>

Describes that slide 3 augments background of COST207 GSM.

Group will discuss channel models further at May Session in Montreal

14:30 Recess

**Thursday PM1**

13:30 Meeting called to order by Beecher. Call for patents, none declared

Joerg Robert presents <https://mentor.ieee.org/802.15/dcn/24/15-24-0061-02-04ad-draft-802-15-4-next-generation-sun-phy-technical-guidance-document.docx>

This is just the beginning for the document and more will be discussed in Montreal.

Discussion about next steps:

**Objectives for July Session**

1. Finalize Use cases
2. Agree channel model(s)
3. Complete technical guidance document
4. Issue call for proposals
5. Conference call schedule: Wednesdays 19 June, 3 July, 10 July at 6am PDT, 8am CDT, 2pm BST, 10pm JST. (cancel if not needed)

No further business

No objections to adjourning.

Meeting is adjourned.

------ end of minutes -----