**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, 2025** | |
| Date Submitted | [May 15, 2025] | |
| Source | [Gary Stuebing]  [Cisco Systems] | Email: gstuebin@cisco.com |
| Re: | [May 2025 802.15 Session-Warsaw, Poland] | |
| Abstract | [IEEE 802.15 TG4ad Minutes] | |
| Purpose | [IEEE 802.15 TG4ad Minutes] | |
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**ALL TIMES REFERENCED WERE LOCAL TO THE MEETING**

**Monday, 12 May – PM1**

1:30pm Meeting called to order

Task Group Chair shows opening report:

Chair shows P&P Slides in opening report

Opening and closing report is DCN 15-25-0219-00-4ad)

Chair calls for patents – None were declared

There are 6 time slots this week

There was a discussion on the schedule for presentations.

Chair shows agenda

Approved by unanimous consent.

One set of Minutes: (DCN 15-25-0134-00-04ad)

Minutes were approved by unanimous consent

Phil had a brief discussion on next steps

OFDM in long range mode and its ability to operate under current FCC requirements was given by Thomas Almholt (DCN 15-24-0054-02-04ad)

There was a good conversation related to the application of this information in the specification.

Phil suggested we look at the technical guidance document and pull out the specific matrix information.

Joerg presented the technical guidance document (DCN 15-24-0061-15-04ad)

Joerg Robert is going to put together a spreadsheet.

At 14:53 Phil called for a 7 minute recess for Joerg to work on the spreadsheet.

Back in session at 15:01

Joerg presented a table for capturing performance data.

The chair suggested the document be posted and the group have a chance to work on it and discuss on Tuesday AM1.

Meeting was recessed at 15:27

**Tuesday 13 May – AM1**

8:03 am Meeting called to order

Chair reminded all attendees of their responsibilities for patents – none declared

Joerg Robert presented a draft table for capture performance data in long range mode.

DCN 15-25-0237-00-04ad

The chair suggested that Joerg add a cover sheet to the work produced at the meeting and post it. That would give the group an opportunity to review.

The meeting was recessed at 08:47

**Tuesday 13 May 2025 PM 1**

1:31 PM Meeting called to order

Chair reminded all attendees of their responsibilities for patents – none declared

Sangsung Choi presented a document on performance simulations.

DCN 15-25-0239-=00-04ad

Thomas Almholt took did a fill in of the draft table from Joerg Robert to see how it worked in real simulation. Thomas had some numbers he could plug in from his earlier presentation. FRA, SiLabs and STM updated the current spreadsheet. Joerg will update the latest version for people to work on.

DCN 15-25-0240-001-04ad

The chair recessed the meeting at 14:52

**Wednesday 14 May, 2025 PM 1**

13:31 PM Meeting called to order

Chair reminded all attendees of their responsibilities regarding conflict of interest and Patent policy – none declared

Shugo Kajita presented a proposal on an access mechanism.

15-25-0255-00-04ad

There was a lively and engaging conversation regarding the presentation.

Arata Kato presented a partial proposal aimed at using existing SUN FSK Technology

DCN 15-25-0007-04-04ad

Joerg Robert presented the updated simulation results.

DCN 15-25-0259-00-04ad

Recessed at 3:08pm – Until AM 1 Thursday.

**Thursday 15 May, 2025 AM 1**

08:07 AM Meeting called to order

Chair reminded all attendees of their responsibilities regarding conflict of interest and Patent policy – none declared

Hiroshi Harada presented a proposal for High Speed OFDM

DCN 15-25-0228-00-04ad

Hiroshi then presented on a modified SHR and Low rate

DCN 15-25-0247-01-04ad

And

DCN 15-25-0262-00-04ad

Fabrice Portier presented a proposal for PHY characteristics

DCN 15-25-0260-00-04ad

Phil shared document DCN 15-25-0250-00-04ad from yesterday to demonstrate the issues related to divergence.

We returned to the presentation of Fabrice Portier

DCN 15-25-0260-00-04ad

Session was recessed at 09:47 am – Will continue with presentation from Fabrice in AM2.

**Thursday 15 May, 2025 AM 2**

10:31 AM Meeting called to order

Chair reminded all attendees of their responsibilities regarding conflict of interest and Patent policy – none declared

We returned to the presentation of Fabrice Portier

DCN 15-25-0260-00-04ad

Next steps:

* The chair asked if there was sufficient consensus on what we currently have.
* There were varying views on clocking and other issues.
* There was a discussion on having two PHYs

The chair suggested that the participants continue discussion to find some commonality.

The chair requested that the participants look closely at what has been presented and determine whether items in the technical documents spec.

The chair suggested some additional conference calls before July.

Wednesday at 22:00 JST 15:00 CEST 06:00 PDT 09:00 EST

Meetings – June 11, 2025 – for 2 hours, July 9, 2025 – for 2 hours

The opening and closing report document number is:

DCN 15-25-0219-01-04ad

The chair called for any other business.

Hiroshi Harada requested clarification on what was needed relative to simulations.

The meeting was adjourned without objection at 11:57