IEEE P802.11
Wireless LANs

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| IMMW SG July 2024 Meeting Minutes |
| Date: 2024-07-17 |
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Abstract

This document contains the minutes for the IMMW SG July 2024 Meeting Minutes.

Revision history:

* Rev0: initial version

Abbreviations:

* C: Comment
* A: Answer

# 1st Meeting: Tuesday, July 16, 2024, PM2, (16:00-18:00 ET)

1. The Chair, Laurent Cariou (Intel), calls the meeting to order (16:15 after audio issues were solved). The Chair notifies the attendees that the agenda is in [IMMW SG July 2024 meeting agenda](https://mentor.ieee.org/802.11/dcn/24/11-24-0996-00-immw-immw-sg-july-2024-meeting-agenda.pptx)
	* Note that this is a hybrid meeting, with some participants in person and some participating online through a Webex session
	* Need to pay the registration fee to attend
	* ≈120 people (in the room), ≈180 (on Webex)
2. IEEE-SA Policies and Procedure

The chair reviews the IEEE-SA Patent Policy:

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair. Speak up now and respond to this Call for Potentially Essential Patents. **Nobody speaks/writes up**.

1. The chair goes through other guidelines for IEEE WG meetings, Patent-related information, Participation in IEEE 802 Meetings, and Copyright. The Chair asks that it be minuted that the **Copyright Policy** was presented.
2. Chair provides an attendance reminder:

Please, **record your attendance** during the session by using the IMAT system:

* login to [*imat*](https://imat.ieee.org/attendance)
* select “802 Plenary Mixed-mode Session - November 2023”
* select “C/LM/WG802.11 Attendance” entry
* click “IMMW SG” session that you are attending

If you are unable to record your attendance, please, contact Laurent Cariou (laurent.cariou@intel.com) and Volker Jungnickel (volker.jungnickel@hhi.fraunhofer.de) for assistance.

1. Motions

Chair reviews the proposed agenda for July and the meeting minutes from May.

***Motion on July IMMW agenda***

***Move to approve the agenda in doc.*** [***11-24/0996r2***](https://mentor.ieee.org/802.11/dcn/24/11-24-0674-00-immw-immw-sg-may-2024-meeting-agenda.pptx)

*Discussion: None*

***Result: Agenda approved with unanimous consent.***

***Motion on May IMMW minutes***

***Move to approve IMMW SG minutes listed below:***

*November plenary:* [***11-24/0926r1***](https://mentor.ieee.org/802.11/dcn/24/11-24-0585-00-immw-immw-sg-meeting-minutes-for-march-plenary-meeting.docx)

***Moved: Volker Jungnickel Seconded: Bilal Sadiq***

*Discussion: None.*

***Result: Approved with unanimous consent.***

***Motion on IMMW PAR***

***Believing that the PAR contained in the document referenced below meets IEEE-SA guidelines,***

***Request that the PAR contained in*** [***11-24/0116r3***](https://mentor.ieee.org/802.11/dcn/24/11-24-0116-03-immw-immw-draft-proposed-par.docx) ***be posted to the IEEE 802 Executive Committee (EC) agenda for WG 802 preview and EC approval to submit to NesCom.***

***Moved by [] on behalf of IMMW SG***

 ***Moved: Abhishek Patil, Seconded: Ming Gan***

*Discussion*

Q: Is there a start date for the task group?

A: It will be in January, if we change that, it could be in March.

Q: IMMW tries to define important features for Wi-Fi. People are expected to spend a lot of effort to reach 802.11bn D1.0. IMMW should start after this milestone has been reached. March or May would be a better time to start the task group.

A: If we approve it w/o changes, it will be in January. If the group wants to start later in March, we have to change that.

Q: Hope to understand the plan, last time there was a lot of confusion. What is the plan if the Motion fails?

A: Change the Motion and put a note to change the start date to March.

Q: Nature of Motion: Is it either technical or procedural.

A: This is a technical Motion.

Q: Concerning the term note. It has to be an explicit statement in the Motion. Otherwise it is meaningless. The Motion has to be changed significantly.

A: Clear.

***IMMW SG vote: 137Y, 33N, 28A***

***Result: Motion passed.***

**CSD Motion**

***Believing that the CSD contained in the document referenced below meets IEEE-SA guidelines,***

***Request that the CSD contained in*** [***11-24/0549r3***](https://mentor.ieee.org/802.11/dcn/24/11-24-0549-03-immw-immw-draft-proposed-csd.docx) ***be posted to the IEEE 802 Executive Committee (EC) agenda for WG 802 preview and EC approval to submit to NesCom.***

***Moved by [] on behalf of IMMW SG***

***Moved: Abhishek Patil, Seconded: Tian Bin***

Discussion: None.

***IMMW SG vote: 141Y, 29N, 18A***

***Result: Motion passed.***

1. Submissions

[**11-24/1102r0**](https://mentor.ieee.org/802.11/dcn/24/11-24-0723-01-immw-sensing-and-ranging-in-immw.pptx) **Thoughts on IMMW For the Industry Use, Yue Xu (Huawei)**

Main Statements: Intend is to share concerns and suggestions considering industrial use case. In general, the PAR is matched with deployment of mm-wave in industrial scenarios. KPIs in PAR are ok. Fast deployment as identified is the main goal. Design should be reasonable to facilitate it. Different enough from existing standards to show the advanced nature. Spatial Streams: Single flow may not meet the requirements. Sensing/Ranging: IMMW provides support for larger bandwidth, i.e., higher accuracy. But this increases cost. Minimum BW of 160 MHz, max. BW appropriate for fast deployment. No more than 2 spatial streams with SU MIMO are better.

Discussion: None

1. Goals for September 2024

Q: What about the next steps?

A: WG Chair explains that PAR/CSD goes through WG Motion, then there is a 30 days review period, then it goes to EC in November.

Q: WG Chair explains that the WG Motion could be on the Friday closing plenary agenda, but it is also possible tomorrow at the Midweek plenary.

A: IMMW SG Chair proposes to do the WG Motion in the Midweek plenary.

Meeting on WED PM2 is canceled.

1. Teleconference: None.
2. AoB: None.

**Adjourn at 11:52 ET**