IEEE P802.11
Wireless LANs

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| IEEE 802.11 TGbp Ambient Power CommunicationTeleconference Minutes April & May 2025 |
| Date: 2025-03-06 |
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Abstract

This document contains the IEEE 802.11 TGbp minutes for the teleconferences in February and March 2025.

Rev 0: Minutes for the IEEE 802.11 TGbp teleconference on 2025-04-08 added

Rev 1: Added attendees

TG Chair: Bo Sun (Sanechips)

TG Vice Chairs: Steve Shellhammer (Qualcomm)

 Rakesh Taori (Infineon)

TG Secretary: Sebastian Max (Ericsson)

TG Technical Editor: Yinan Qi (OPPO)

Abbrevations:

Q Question

A Answer

C Comment

SP Straw Poll

# Tuesday, April 08 2025, 10:00am - 12:00am (EDT)

## Opening

The TG Chair, Bo Son (Sanechips), presents the TG bp meeting agenda slides (IEEE 802.11-25/0610r1).

* Chair calls the meeting to order at 10:00 EDT.
* Chair instructs members to record attendance in IMAT.
* Chair reviews the meeting rules and patent policy (slides 2-6).
* No response to the call for patents.
* Chair reviews IEEE-SA COPYRIGHT POLICY (slides 7-8)
* Chair reviews other Guidelines, Participation, Suggested Best Practices (slides 9-10).
* Chair reviews the current TGbp session submission list (slide 11&12), and the meeting agenda for the telephone conference (slide 15).

## Agenda

Chair presents the agenda of the session: https://mentor.ieee.org/802.11/dcn/24/11-25-0610r1 (slide 15).

* + Call meeting to order and remind the group to record attendance on imat.ieee.org
	+ IEEE-SA IPR policies and meeting rules
	+ Approve meeting agenda
	+ Review updated SFD (11-24/1613r7)
	+ Spec draft skeleton introduction (11-25/0613, 11-25/0614)
	+ Any other business?
	+ Recess

Chair calls for approval of the agenda of the TGbp session.

No objection, agenda approved.

## Review of the updated SFD (11-24/1613r7)

Yinan Qi (OPPO) presents document IEEE 802.11-24/1613r7, the current SFD, which includes updates according to the motions passed during the March meeting.

No questions or discussion.

The chair announces that there will be a motion on the updated SFD at the beginning of the next face-to-face meeting.

## Spec draft skeleton introduction

Yinan Qi (OPPO) presents document IEEE 802.11-25/0613r0, "TGbp Spec Text Topics and Volunteers."

Q: Regarding relation to doc with id 614. Are both documents aligned with respect to the outline?

A: One topic in the SFD should correspond to one section in the specification. However, this is not always possible. We attempt to work topic oriented. For example, "DL PPDU format" has a specific section in the specification, but it can also appear in other sub-sections. "UL clock and carrier center frequency" is one topic, but we might not have a single dedicated sub-section.

Q: My concern is with respect to the first two topics, architecture / communication mode. They don't belong to the PHY. But this can be changed later.

Chair explains that the target is to have a similar structure as other amendments, MAC and PHY.

Q: At what point can we volunteer for the POC / TTT?

A: It will happen in the eMail reflector, call for volunteer will be sent out on the reflector. There will be rules to follow for this procedure, for example that a person can only be POC for one topic.

Q: At what point? Can we volnteer right now?

A: We can start once the table is stable and there are no more comments.

The chair comments that the group will have sufficient time to review this document. Then, he will send an eMail to the reflector to announce the volunteering. As the group is small anyways, he expects that all discussions use the reflector, so everyone can see the progress.

Q: Is it possible to add a column to list the sub-clauses that apply to each topic?

A: Good suggestion, I will try to come up with a first draft.

C: This will fold into 802.11-2028. Besides PHY/MAC we can add a section "General" or "General / Architecture". We can also create sections for "Overview", "Abbrevitations". Potentially, the frame format will have its own section. The "WPT" will be very new to the spec, so maybe it will get its own section.

C: Maybe we add its own subclause numbers, indicating how to align with the IEEE 802.11 spec.

C: POC is usually a single person, TTT is usually a small team.

Q: Once the spec text is there, do we fade out the SFD?

A: Agree to "General" section. "WPT" can be an individual category. We need to discuss further.

The chair comments that he will describe the responsibility of POC and TTT in the announcement of the process in an eMail. The SFD will be open until Draft 1.0, so currently expected until beginning of next year.

C: Better to align with sub-clause numbers.

C: What about SFD topics which have no motion, but are needed anyways?

C: In the SFD the motions are numbered in two ways. It would be good to list both. But it's also fine as now.

A: Agree with comments. I can add rows with further topics.

C: Suggest that if there is no motion on a topic, then it is not added. This is how it is done in the big groups; we should follow this.

A: We should have a stable SFD first, then we can check which topics are missing.

Yinan Qi (OPPO) presents document IEEE 802.11-25/0614r0

Chair clarifies skeleton versus spec draft. The skeleton is only the table of content, to give guidance and reference. It is not an official TG document. The spec draft will be generated from the output of the TTTs.

Q: As this is an informal skeleton, are you open for additions, here or in the reflector?

A: Yes, sure.

C: Frame formats should be "AMP frame formats".

Q: Clause 39 and 40 will be the main MAC / PHY sections. Is this already assigned by the editor meeting to AMP, is this the right order with respect to other TGs?

A: I will discuss with the lead editor.

C: In the last f2f closing meeting, TGbp was missing from the slides that cover the current editor work. This will change in future meetings, and our editor will get help from the editor meeting.

Chair comments that some of the sections may re-use existing structure and even some of the text from other amendments.

## Adjourn

The chair announces the session adjourned at 11:15 EDT.

Next telephone conference will be on April 22nd.

## List of Attendees

Name Affiliation
Costa, D.Nelson HaiLa Technologies
Bao, Zhanjing TCL
Sun, Bo Sanechips Technology Co., Ltd
Silverman, Matt Cisco Systems, Inc.
Ben Arie, Yaron Huawei
Shellhammer, Stephen Qualcomm Incorporated
Shatil, Ohad Zebra Technologies
Amtmann, Franz NXP Semiconductors
Sanderovich, Amichai Wiliot
Bower, Patricia HaiLa Technologies, Inc
Qi, Yinan Guangdong OPPO Mobile Telecommunications Corp....
Max, Sebastian Ericsson AB
Campiglio, Ugo Cisco Systems, Inc
Li, Jialing Qualcomm Incorporated; Qualcomm Technologies, Inc
Kalamkar, Sanket Qualcomm Technologies, Inc.
Dunna, Manideep Qualcomm
Chen, You-Wei MediaTek Inc.
Regev, Dror Huawei
Bajaj, Ian Huawei International Pte Ltd
 Trainin, Solomon Wiliot
 Taori, Rakesh Infineon Technologies