IEEE P802.11
Wireless LANs

|  |
| --- |
| 802.11 bn PHY Teleconferences ad-hoc minutes May-July |
| Date: 2025-07-07 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Sigurd Schelstraete | MaxLinear |  |  | sschelstraete@maxlinear.com |

Abstract

This document contains the meeting minutes for the TGbn PHY teleconference ad hoc sessions held during June and July:

* Monday 6/30/2025
* Monday 7/7/2025

## Monday June 30th, 2025, 7-9 pm ET

**Introduction**

1. The Chair (Dongguk Lim, LGE) calls the meeting to order at 01:30 CET.
2. The Chair follows the agenda in doc.: 802.11-25/0986r14.
3. The Chair reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple), Sigurd Schelstraete (MaxLinear) or the Chair himself if unable to record attendance via IMAT system.
4. The Chair goes through the IPR policy and asks if anyone is aware of any potentially essential patents. **Nobody speaks up.**
5. The Chair goes through the Copyright policy.
6. Agenda

**CR/PDT Submissions (1 hour):**

* + [25/0678](https://mentor.ieee.org/802.11/dcn/25/11-25-0678-03-00bn-cr-cc50-subclause-38-3-15-9-6-part1.docx) CR CC50 Subclause 38.3.15.9.6 Part1 Genadiy Tsodik [22C]
	+ [25/0679](https://mentor.ieee.org/802.11/dcn/25/11-25-0679-03-00bn-cr-cc50-subclause-38-3-15-9-3.docx) CR CC50 Subclause 38.3.15.9.3 Genadiy Tsodik [14C]
	+ [25/0735](https://mentor.ieee.org/802.11/dcn/25/11-25-0735-04-00bn-cc50-cr-for-cids-on-overhearing-obss-csi.docx) CC50 CR for CIDs on overhearing OBSS CSI Yurong Qian [5C]
	+ [25/0751](https://mentor.ieee.org/802.11/dcn/25/11-25-0751-00-00bn-text-change-in-38-3-4-transmission-of-dru.docx) Text change in 38.3.4 Transmission of DRU Jianhan Liu [PDT]
	+ [25/0775](https://mentor.ieee.org/802.11/dcn/25/11-25-0775-02-00bn-crs-on-new-mcss-for-subclause-38-5.docx) CRs on New MCSs for Subclause 38.5 Shengquan Hu [24C]
	+ [25/0823](https://mentor.ieee.org/802.11/dcn/25/11-25-0823-02-00bn-cc50-cr-on-ueqm-cid-372-374.doc) CC50 CR on UEQM CID 372,374 Jiyang Bai [2C]
	+ [25/0892](https://mentor.ieee.org/802.11/dcn/25/11-25-0892-00-00bn-pdt-phy-elr-cr-322.docx) PDT PHY ELR CR 322 Rethna Pulikkoonattu [1C]
	+ [25/0950](https://mentor.ieee.org/802.11/dcn/25/11-25-0950-01-00bn-pdt-and-cr-for-stream-parser.docx) PDT & CR 4 CID 2557 related to stream parser Qinghua Li [1C]
	+ [25/0963](https://mentor.ieee.org/802.11/dcn/25/11-25-0963-00-00bn-cc50-cr-for-uhr-ltf.docx) CC50 CR for UHR-LTF Chenchen Liu [14C]
	+ [25/0964](https://mentor.ieee.org/802.11/dcn/25/11-25-0964-00-00bn-cc50-cr-for-uhr-sig-user-specific-field-part-2.docx) CR for UHR-SIG User Specific field – Part 2 Mengshi Hu [14C]
	+ [25/0965](https://mentor.ieee.org/802.11/dcn/25/11-25-0965-00-00bn-cc50-cr-for-60mhz-dbw.docx) CC50 CR for 60MHz DBW Chenchen Liu [5C]

**Technical Submissions – CBF/CSR:**

* + [25/0704](https://mentor.ieee.org/802.11/dcn/25/11-25-0704-00-00bn-simultaneous-cobf-ack-transmission.pptx) Simultaneous CoBF ACK Transmission Genadiy Tsodik
	+ [25/0752](https://mentor.ieee.org/802.11/dcn/25/11-25-0752-00-00bn-initial-frame-exchange-in-co-sr-co-bf-follow-up.pptx) Initial Frame Exchange in Co-SR/Co-BF: Follow-Up Kosuke Aio
	+ [25/0845](https://mentor.ieee.org/802.11/dcn/25/11-25-0845-00-00bn-cobf-nsym-field-definition.pptx) CoBF Nsym Field definition Rui Cao
	+ [25/0851](https://mentor.ieee.org/802.11/dcn/25/11-25-0851-00-00bn-phy-version-indications-in-co-sr-transmissions.pptx) PHY Version indications in Co-SR transmissions Ross Jian Yu
	+ [25/0869](https://mentor.ieee.org/802.11/dcn/25/11-25-0869-01-00bn-cosr-misc.pptx) COSR-Misc You-Wei Chen
	+ [25/0872](https://mentor.ieee.org/802.11/dcn/25/11-25-0872-00-00bn-on-cobf-ap-s-carrier-synchronization-overhearing-csi-report-in-cobf-sounding.pptx) On CoBF AP’s Carrier Synchronization Overhearing CSI Report in CoBF Sounding Julia Feng
	+ [25/0903](https://mentor.ieee.org/802.11/dcn/25/11-25-0903-00-00bn-concurrent-ack-to-cobf-ppdu.pptx) Concurrent Ack to CoBF PPDU Junghoon Suh

**Participants**

The following people registered their attendance for the call using imat:

* Bilal Sadiq (Samsung Electronics Co., Ltd.)
* Pavan Kumar Mangipudi (InterDigital, Inc.)
* Ying Wang (InterDigital, Inc.)
* zhigang  zhang (ZTE Corporation)
* Yan Zhang (Apple Inc.)
* Tianyu Wu (Apple Inc.)
* Jiyang Bai (TCL)
* Ke Zhong (Ruijie Networks Co., Ltd.)
* Dong Wei (Guangdong OPPO Mobile Telecommunications Corp....)
* Safi Shams Muhtasimul  Hoque (Ofinno)
* Hangyu Cho (LG ELECTRONICS)
* Mitsuyoshi Yukawa (Canon)
* Shuling feng (MediaTek Inc.)
* Sixian Luo (SHARP CORPORATION)
* Juan Fang (Intel Corporation)
* Albert Petrick (Jones-Petrick and Associates)
* Wookbong Lee (Apple Inc.)
* Kanke Wu (Apple Inc.)
* Lei Zhou (New H3C Technologies Co., Limited)
* Youhan Kim (Qualcomm Technologies, Inc.)
* Mrugen Deshmukh (Ofinno)
* Sigurd Schelstraete (MaxLinear)
* JUNG HOON SUH (Huawei Technologies Canada; Huawei Technologie...)
* Yusuke Asai (NTT)
* You-Wei Chen (MediaTek Inc.)
* Walaa Sahyoun (Canon Research Centre France)
* Xuwen Zhao (TCL)
* Aiguo Yan (SAMSUNG ELECTRONICS)
* Jialing Li (Qualcomm Technologies, Inc)

**Straw Polls**

SP#1

Do you agree the following resolution as the resolution of CID 3570: Revised

Note: D0.3 already incorporated the changes to resolve this comment based on motion 1 to motion 4 in DCN# 11-25/687r1. No further changes are needed.

No objection

**CR/PDT Submissions**

**25/0678 CR CC50 Subclause 38.3.15.9.6 Part1 (Genadiy Tsodik)**

Covered in F2F

**25/0679 CR CC50 Subclause 38.3.15.9.3 (Genadiy Tsodik)**

Covered in F2F

**25/0735 CC50 CR for CIDs on overhearing OBSS CSI (Yurong Qian)**

SP#2

Do you agree to accept the proposed resolution of the following CID as proposed in 11-25-0735r6:

* CIDs 415, 3573, 3574

No objection

**25/0751 Text change in 38.3.4 Transmission of DRU (Jianhan Liu)**

Withdrawn. Already resolved.

**25/0775 CRs on New MCSs for Subclause 38.5 (Shengquan Hu)**

Presenter not available

**25/0823 CC50 CR on UEQM CID 372, 374 (Jiyang Bai)**

SP#4:

Do you agree to accept the proposed resolution of the following CID as proposed in 11-25-0823r4:

* 372, 374

No objection

**25/0892 PDT PHY ELR CR 322 (Rethna Pulikkoonattu)**

Presenter not available

**25/0950 PDT & CR 4 CID 2557 related to stream parser (Qinghua Li)**

SP#3:

Do you agree to accept the proposed resolution of the following CID as proposed in 11-25-0950r1:

* 2557

No objection

**25/0963 CC50 CR for UHR-LTF (Chenchen Liu)**

SP#2:

Do you agree to accept the proposed resolution of the following CIDs as proposed in 11-25-0963r0:

* 341, 342, 2310, 598, 2311, 1176, 1177, 1749, 1750, 3556, 2185, 3245, 3534

Note: CID 597 deferred

No objection

**25/0964 CR for UHR-SIG User Specific field – Part 2 (Mengshi Hu)**

SP#5:

Do you agree to accept the proposed resolution of the following CIDs as proposed in 11-25-0964r1:

* 37, 38, 39, 40, 1092, 1168, 1353, 1354, 2292, 2293, 2294, 2786, 3507, 3508

No objection

**25/0965 CC50 CR for 60MHz DBW (Chenchen Liu)**

SP#6:

Do you agree to accept the proposed resolution of the following CIDs as proposed in 11-25-0965r2:

* 207, 1117, 1745, 1754, 573

**Technical submissions**

**25/0704 Simultaneous CoBF ACK Transmission (Genadiy Tsodik)**

Deferred

**25/0752 Initial Frame Exchange in Co-SR/Co-BF: Follow-Up (Kosuke Aio)**

No discussion

**25/0851 PHY Version indications in Co-SR transmissions (Ross Jian Yu)**

SP#7

**Do you agree to include the following into 11bn SFD?**
During Co-SR invite and Co-SR response exchange, sharing AP indicates single intended PHY version for its own PPDU in the upcoming Co-SR transmission. Shared AP responds with single intended PHY version for its own PPDU in the upcoming Co-SR transmission, if it accepts the invitation.

No objection

SP#8

**Do you agree to include the following into 11bn SFD?**
In Co-SR Trigger frame, the PHY version of PPDU 1 and the PHY version of PPDU 2 are indicated.

* How to signal is TBD

No objection

**Adjourn**

The meeting is adjourned at 9:00 pm CET.

## Monday July 7th, 2025, 7-9 pm ET

**Introduction**

1. The Chair (Dongguk Lim, LGE) calls the meeting to order at 7:00pm ET.
2. The Chair follows the agenda in doc.: 802.11-25/0986r18.
3. The Chair reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple), Sigurd Schelstraete (MaxLinear) or the Chair himself if unable to record attendance via IMAT system.
4. The Chair goes through the IPR policy and asks if anyone is aware of any potentially essential patents. **Nobody speaks up.**
5. The Chair goes through the Copyright policy.
6. Agenda

CR/PDT Submissions (1 hour):

* + [25/0775](https://mentor.ieee.org/802.11/dcn/25/11-25-0775-02-00bn-crs-on-new-mcss-for-subclause-38-5.docx) CRs on New MCSs for Subclause 38.5 Shengquan Hu [24C]
	+ [25/0892](https://mentor.ieee.org/802.11/dcn/25/11-25-0892-00-00bn-pdt-phy-elr-cr-322.docx) PDT PHY ELR CR 322 Rethna Pulikkoonattu [1C]
	+ [25/1081](https://mentor.ieee.org/802.11/dcn/25/11-25-1081-00-00bn-cc50-cr-for-pilot-subcarriers.docx) CC50 CR for Pilot subcarriers Chenchen Liu [28C]
	+ [25/1085](https://mentor.ieee.org/802.11/dcn/25/11-25-1085-00-00bn-pdt-phy-cobf.docx) PDT-PHY-CoBF Ron Porat PDT]
	+ 25/0963r1 CC50 CR for UHR-LTF Chenchen Liu [14C]
	+ 25/1085r1 PDT-PHY-CoBF Ron Porat PDT [SP]

Technical Submissions – CBF/CSR:

* + [25/0734](https://mentor.ieee.org/802.11/dcn/25/11-25-0734-02-00bn-misc-cbf-topics-part-ii.pptx) Misc. CBF Topics part II Ron Porat [SP]
	+ [25/0845](https://mentor.ieee.org/802.11/dcn/25/11-25-0845-00-00bn-cobf-nsym-field-definition.pptx) CoBF Nsym Field definition Rui Cao
	+ [25/0869](https://mentor.ieee.org/802.11/dcn/25/11-25-0869-01-00bn-cosr-misc.pptx) COSR-Misc You-Wei Chen
	+ [25/0872](https://mentor.ieee.org/802.11/dcn/25/11-25-0872-00-00bn-on-cobf-ap-s-carrier-synchronization-overhearing-csi-report-in-cobf-sounding.pptx) On CoBF AP’s Carrier Synchronization Overhearing CSI Report in CoBF Sounding Julia Feng
	+ [25/0903](https://mentor.ieee.org/802.11/dcn/25/11-25-0903-00-00bn-concurrent-ack-to-cobf-ppdu.pptx) Concurrent Ack to CoBF PPDU Junghoon Suh

**Participants**

The following people registered their attendance for the call using imat:

**CR/PDT Submissions**

**25/1085 PDT-PHY-CoBF (Ron Porat)**

SP#1

Do you agree to incorporate the text proposed in document 25/1085r0 into the next version of the 802.11bn Draft?

No objection

**25/1081 CC50 CR for Pilot Subcarriers (Chenchen Liu)**

SP#7

Do you agree to accept the proposed resolution of the following CIDs as proposed in 25/1081r0:

* 602, 607, 1098, 1651, 1747, 603, 604, 605, 606, 1591, 2332, 2333, 608, 1186, 1187, 1188, 1189, 1190, 1646, 1647, 1648, 1649, 1650, 1652, 1746, 1185, 2331, 2334

No objection

**25/0963 Comment Resolutions for UHR-LTF (Chenchen Liu)**

SP#8

Do you agree to accept the proposed resolution of the following CIDs as proposed in 25/0963r1:

* 341, 342, 597, 2310, 598, 2311, 1176, 1177, 1749, 1750, 3556, 2185, 3245, 3534

No objection

**25/1085r1 PDT-PHY-CoBF (Ron Porat)**

SP#9

Do you agree to incorporate the text proposed in document 25/1085r1 into the next version of the 802.11bn Draft?

No objection

**Technical submissions**

**25/0734r2 Misc. CBF Topics part II (Ron Porat)**

SP#2

Do you agree to include the following into the 11bn SFD: in COBF, cross-BSS/joint sounding feedback shall use resolution of (9,7) and Ng=4

No objection

**25/0845 CoBF Nsym Field Definition (Rui Cao)**

SP#3

**Do you agree to include the following into 11bn SFD?**
11bn defines the three “Number of Data OFDM Symbols” subfields in CoBF Invite and Response frames to be 9-bits, and

* + Value n indicate “Number of OFDM Symbols – 1”
	+ Value 511 (‘111111111’) indicates “No suggestion” in “Suggested Number of Data OFDM Symbols” subfield in CoBF Response frame
	+ Note:
		- Minimum Number of Data OFDM Symbols
		- Maximum Number of Data OFDM Symbols
		- Suggested Number of Data OFDM Symbols

No objection

**25/0869 CoSR Misc (You-Wei Chen)**

Discussions:

Q: Request to add a Note: ICF/ICR (between Response and Sync), if present, will be discussed in MAC

SP#4

**Do you agree to include the following into 11bn SFD?**
COBF/COSR use a common frame exchange design.

* + There will be a COSR Invite/ Response/ Sync before the COSR data transmission.
* Note: ICF/ICR (between Response and Sync), if present, will be discussed in MAC

No objection

SP#5

**Do you agree to include the following into 11bn SFD?**
In the COSR data transmission, the same power level is applied to the whole PPDU.

No objection

**25/0872 On CoBF AP’s Carrier Synchronization Overhearing CSI Report in CoBF Sounding (Julia Feng)**

SP#6

**Do you agree to include the following into 11bn SFD?**
 **Note: When a CoBF AP receives a cross-BSS or joint CSI feedback in a TB PPDU, the carrier frequency of the TB PPDU may not be synchronized with its own.**

No objection

**25/0903 Concurrent Ack to CoBF PPDU (Junghoon Suh)**

No Discussions.

**Adjourn**

The meeting is adjourned at 9:00 pm ET.