IEEE P802.11
Wireless LANs

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| TGbn May 2025 Meeting Minutes |
| Date: 2025-06-22 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
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|  |  |  |  |  |

Abstract

This document contains the minutes for TGbn May 2025 sessions.

Revision history:

* Rev0: Initial version of the document.
* Rev1: Fixed some editorial errors.

Abbreviations:

* C: Comment.
* A: Answer.

# May 12th, Monday (10:30-12:30 CEST) - Joint

* The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order.
* Yusuke Asai (NTT) is serving as the Secretary.
* Registration information
	+ The chair announced that registration is needed to attend this meeting.
* Meeting protocol
	+ The chair announced that everyone is required to log in WebEx to vote.
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Attendance reminder.
	+ Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
	+ Please record your attendance during the conference call by using the IMAT system:
		- 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802 Wireless Interim/Plenary Session” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbn conference call that you are attending.
	+ If you are unable to record the attendance via [IMAT,](https://imat.ieee.org/attendance) then please send an e-mail to:
		- Joint: Yusuke Asai (yusuke.asai@ntt.com) & Alfred Asterjadhi (aasterja@qti.qualcomm.com)
		- PHY: Sigurd Schelstraete (sschelstraete@maxlinear.com), Tianyu Wu (tianyu@apple.com), and Dongguk Lim (dongguk.lim@lge.com)
		- MAC: Xiaofei Wang (xiaofei.wang@interdigital.com), and Srinivas Kandala (srini.k1@samsung.com), Jeongki Kim (jeongki.kim.ieee@gmail.com)
* IEEE 802 and 802.11 IPR policy and procedure
	+ Patent Policy: Ways to inform IEEE:
		- Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
		- Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
		- Speak up now and respond to this Call for Potentially Essential Patents

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.

**Nobody spoke/wrote up.**

* + **Patent, Participation, Copyright and policy related subclause:** Please refer to the agenda document ([11-25/0568r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0568-02-00bn-tgbn-may-2025-meeting-agenda.pptx).)
	+ Copyright Policy: Participants are advised that
		- IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
		- Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy.

**Copyright Policy was presented.**

* Agenda
	+ Chair reviewed proposed agenda found in [11-25/0568r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0568-02-00bn-tgbn-may-2025-meeting-agenda.pptx).
	+ Discussion:

C: I request to remove [11-25/0657r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0657-00-00bn-cr-for-clause-3-2-part-2.docx) and to put [11-25/0652r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0652-00-00bn-cr-for-cid-3159-and-3160.docx) earlier.

* + The modified agenda was approved with unanimous consent.
* Announcement (as in the Slide 32 on [11-25/0568r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0568-02-00bn-tgbn-may-2025-meeting-agenda.pptx))

Please follow the [guidelines](https://mentor.ieee.org/802.11/dcn/24/11-24-1682-04-00bn-tgbn-guidelines.docx) (in particular item 6) and more specifically

* + Please send all new (old ones already processed) submission requests to the reflector with "Submission Request - <DCN title> [total CIDs/TBDs resolved]
	+ For ease of identification, all submissions to begin with “PDT-TBDs” or “PDT-CRs”, and the topic classification (MAC/PHY/JOINT)” (e.g., 11-20-0999-00bn-PDT-TBDs-MAC-MLO-Power Save).
	+ Please share the submissions when ready via the reflector so that members can review and provide feedback in advance.

If you are a POC please make sure that the CIDs/TBDs in the subject you are a POC are appropriately resolved and if there are any issues or assistance is needed, please let the TG leadership know so that we can help.

If there are any SPs that are needed to make progress on certain CIDs/TBDs, for which there are differences in opinion, please let me know so that we can dedicate some agenda time as early as possible (as default priority is given to CRs/PDTs that resolve CIDs and/or TBDs).

Presentations of technical submissions has been de-prioritized, i.e., default allocation of agenda time will focus on:

* + CR/PDT queue is empty and the pending SPs queue is empty
	+ Technical submission helps in converging on a specific subject related to a CID or TBD in the draft.

In view of the above, please note that while I am still keeping track of received submissions requests for technical submissions, it is highly encouraged that members follow the PDTs/CRs track which is aligned with the current phase of the TG.

* Summary from March F2F meeting
	+ Since the March plenary
		- Held 12 teleconferences between March 2025 and May 2025 ([11-25/0504r17](https://mentor.ieee.org/802.11/dcn/25/11-25-0504-17-00bn-mar-may-tgbn-teleconference-agenda.docx)).
		- Discussed ~25 submissions, ~70 PDTs and ran ~ 5 straw polls covering several topics
			* CSR, NPCA, MAP, TXOP sharing, DRUs, C-RTWT, C-TDMA, roaming, sounding, CBF, AP and STA power save, MLME, ELR, control frames, low latency, DSO, coexistence, PHY header/PPDU format, MCS, P-EDCA
		- Resolved ~550 CIDs from CC50 on TGbn D0.1 ([11-25/0296r21](https://mentor.ieee.org/802.11/dcn/25/11-25-0296-21-00bn-ieee-802-11bn-cc50-comments-on-d0-1.xlsx))
		- Either motioned or ready for motion
	+ Targets for the May interim
		- Presentation of PDTs, technical submissions
			* ~250 pending submissions (of which ~60 PDTs/CRs) ~20 pending SPs
			* Continue populating the TGbn SFD with approved concepts
			* Complete transition into incorporating technical concepts into the TGbn draft only
			* Work towards delivering TGbn D1.0.
* Approval TG Minutes
	+ **Motion:**

Move to approve TGbn minutes listed below:

* + - March plenary: <https://mentor.ieee.org/802.11/dcn/25/11-25-0647-03-00bn-tgbn-march-2025-meeting-minutes.docx>
		- Teleconferences Mar’25-May’25: <https://mentor.ieee.org/802.11/dcn/25/11-25-0800-01-00bn-tgbn-march-april-may-2025-teleconferences-minutes.docx>

Move: Tuncer Baykas (Self) Second: Yusuke Asai (NTT)

* + - Discussion: None.

**Approved with unanimous consent.**

* PDTs/CR/Submissions
	+ [11-25/0442r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0442-03-00bn-cc50-cr-on-trigger-frame-part-1.docx): CC50 CR on Trigger Frame Part 1 Alice Chen (Qualcomm) [29C]

C: There is redundant space that should be removed.

C: When the PHY version is set to 1, B39, it doesn’t play any role.

A: B39 is PS160. It also tells PS160, RU location, and HE/UHR PS160. So, it is needed.

Q: Is this to solicit this is used for a single user case, which the RA would be the recipient address?

A: This will be addressed for the BSRP trigger frame.

C: Does that still in the regular user info field?

A: I think that may depend on ICF designs. It covers in another document.

C: It mentioned that field is set to the address of that STA. The SSTA is a non-AP STA. But in the subclause mentioned it contains the APID of an AP.

A: This is sending it to another and then that is maybe one case and then except when you send it to an AP and then the first. And then, it explains how the APID 12 subfield is being sent.

(Chair asked the presenter to prepare action items on this sub bullet to double check with commenters.)

C: Can we defer the part: “Contains the value 0 if the Trigger frame is a BSRP NTB Trigger frame, which is sent by a non-AP STA to that AP, as defined in 37.15 (Use and requirements of initial Control frames))“?

C: If this AP belongs to multiple BSS ID set, maybe it is so here maybe you need to clarify what address of that AP means.

C: I don’t think we have defined anything for the multi BSSID. I believe we inherit from 11ax but maybe just kept that as an action item.

* + [11-25/0634r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0634-01-00bn-joint-pdt-cr-trigger-frame-format-part-3.docx): Comment Resolution for 9.3.1.22.3 Alice Chen (Qualcomm) [16C]

C: At some points, you talk about an HE variant Common Info field, which makes me confused. Because you are not talking about the common field. You are talking about the trigger frame variant.

A: The special user field does not carry user-specific information but carries extended common information. For the Common Info field, we have HE, EHT and UHR variants.

C: In Table 9-46i, you have it the trigger frame variant. The variant is for the trigger frame, not for the Common Info.

A: For trigger frame, we also define variant.

C: If Common Info field is HE variant, then also the trigger is an HE variant. Same thing for the EHT variant and so on.

C: Is this new for UHR?

A: It is from the baseline. We started using that from EHT.

C: In Table 9-46i, I am worried about duplicated material from the stuff that was not introduced in UHR. How are we going to avoid duplication between Table 9-46i and other tables?

C: The table is from 11be, the part that is being added here is the part in with track changes policy. There is no redundancy or duplication.

C: In page 5, The new field is reserved for future values also of the PHY version identifier because you are saying it is reserved for other values?

A: This includes time for UHR variant.

C: Does this MBC will not be supported in future development? Why don’t we just fix it for EHT? Not for other values just for the value zero that is reserved.

A: It is set to one if the PHY version identifier is set to one. If the PHY version identifier is not set to zero, this is set to otherwise.

C: Usually, we don’t decide for the future. We just keep it reserved for the future.

A: Yes. We didn’t mention the future here.

C: It was a problem regarding the UL Bandwidth extensions. You added some exception for the MU-RTS, but the MU-RTS, but the UHR BSRP, there is just soliciting the non-TB PPDU, so you have to add another wording.

A: In this encoding table, we added, it could be applicable to non-HT duplicate.

C: About this NPCA primary channel indication, a UHR STA needs to carry this in a BSRP indication. But if the STA does not support or enable it, it is an unnecessary indication.

A: This is in the Special User Info field, so it is common to all. It is not in the user.

C: Essentially, the signaling that is going to be included here, it is only for definition purposes in terms of the interpretation on the UHR station side in clause 37, we have normally behavior as to which stations follow that instruction, which is essentially NPCA enable stations, or something like that. But subclause 9.3, there are for defining the fields encoding and in terms of normative behavior, we have it in the normative behavior subclause.

C: For NPCA Primary Channel indication, a more accurate description would be: The NPCA Primary Channel Indication is set to 1 if the Trigger frame is transmitted by an NPCA STA that has switched to the NPCA primary channel (see 37.11 (Non-primary channel access (NPCA))) and is set to 0 otherwise.

C: In Table 9-46i, I think the AID of 0 can be used when the trigger frame request. Also, the value of 1 to 2006 can be used by multi-AP.

(Chair asked to investigate to address both the case of AID zero for AP and the multi-APs falling under this one to 2006.)

* + [11-25/0635r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0635-01-00bn-joint-pdt-cr-trigger-frame-format-part-4.docx): Comment Resolution for 9.3.1.22.6 Alice Chen (Qualcomm) [16C]

C: We have a rule where they just have one name for a frame. But we have a field that has two names (SS Allocation And DBW). A field should have only one name.

A: Because they have different field structures.

C: Could you take an option item on that of the field name?

* + [11-25/0636r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0636-03-00bn-joint-pdt-cr-trigger-frame-format-part-5.docx): Comment resolution for 9.3.1.22.7 and 9.3.1.22.8 and 9.3.1.22.9

Alice Chen (Qualcomm) [16C]

C: You don’t need to say it is a 32 bit one. Because those rules defined a 32-bit CRC.

A: I think it's OK because we still use 32-bit CRC in this figure.

C: The Figure 9-xxx does not show any trigger dependent on User Info, do we need to include the trigger-dependent user field?

A: This is a BSRP and the MU-RTS trigger frames, so they don’t have trigger dependent content.

C: The word “only” is not needed and in general, it just adds ambiguity. I think the word “only” should be deleted.

A: OK, I got your point.

C: In padding part, only for the DPS station, you use the padding with the exceptional rule, like different than the previous one defined in the clause 35. Why not other stations like DSO or even EMLSR station, which use the I-FCS?

A: The exception is not only for the DPS. This paragraph covers the DPS only, but we do expect some additional specs for EMSLR and DSO. I am expecting that the subclause 37.15 is explicitly called out and the DSO and ELMSR are already called here. But we need to amend this sample. That is a good point.

A: Our current change focuses on what is needed for I-FCS.

C: Should Location Indication User Info field follow the style of I-FCS User Info field (B12 to B15 being reserved)?

A: I assume this is for the object alignment. We can discuss that part as well.

C: We should not be putting numbers like (2012) in the figure.

A: We need to check the REVme, where there were some instances. That is why this was kept, but we can double check them.

* + [11-25/0637r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0637-03-00bn-joint-pdt-cr-trigger-frame-format-part-6.docx): Comment Resolution for 9.3.1.22.11 and 9.3.1.22.12

Alice Chen (Qualcomm Inc.) [14C]

C: In a BSRP NPB trigger frame, in the User Info field with the AID 12 field, such as special AID. The other fields of the User Info field are reserved.

A: This is based on the passed motion.

C: The introduction to this bullet is in the BSRP and TB trigger frame.

A: This intends to say all the other fields other than the AID 12 field.

C: The last bullet is delivered with the previous document but it is still unclear.

* + [11-25/0652r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0652-00-00bn-cr-for-cid-3159-and-3160.docx): CR for CID 3159 and 3160 Xiaofei Wang (InterDigital) [2C]

C: I think these CIDs have been resolved by my colleagues.

A: I think two mistakes have been corrected.

**SP:**

Do you agree to the resolutions to the CID 3159 and 3160?

**Result: No objection**

* + [11-25/0646r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0646-02-00bn-cr-for-clause-3-2.docx): CR for Clause 3.2 Xiaofei Wang (InterDigital) [2C]

C: The commentary was saying the “a” is wrong and should be uppercase of “a”. It should be accepted.

A: OK.

C: Regarding CID 1026, I have no idea what separation means here. I would revise or something because I don’t know what adding separations means.

A: I mean just put a note to the editor, put everything in the definition says lowercase.

* + [11-25/0717r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0717-02-00bn-pdt-joint-abbreviations-and-acronyms.docx): PDT JOINT Abbreviations and Acronyms Akira Kishida (NTT) [5C]

C: HC is a hybrid coordinator.

C: IFCS does not have dash.

C: I think some of these are already defined in the abbreviation clause. I just checked that ICF is defined and the abbreviation itself is defined in the abbreviation and actually

C: Please check whether the clause 3.2 definition should be also defined as acronymous in 3.2.

C: We might need to consider coordinated cases where we have the hyphen.

C: We can provide a list of items for our editor to check in the editor’s meeting. I hope these were taken in the minutes.

(The chair asked the secretary to report the editor these items that should be confirmed.

* + - The condition where hyphen is needed or not.
		- The newly defined terms in section 3.2 also needs to be defined in clause 3.2.)

*\*Secretary’s note:*

* + - *The secretary reported the items to the editor via the TGbn reflector.*

[*https://www.ieee802.org/11/email/stds-802-11-tgbn/msg02787.html*](https://www.ieee802.org/11/email/stds-802-11-tgbn/msg02787.html)

* + - *The editor questioned the items at the Editor’s meeting and shared the instructions to the TGbn members via the TGbn reflector.*

[*https://www.ieee802.org/11/email/stds-802-11-tgbn/msg02881.html*](https://www.ieee802.org/11/email/stds-802-11-tgbn/msg02881.html)

* + [11-25/0773r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0773-01-00bn-cr-joint-cc50-cids-in-subclause-9-3-1-19-ndpa-frame-format.docx): Resolution for comments received for CC on D0.1 for subclause 9.3.1.19-NDP Announcement frame format Juan Fang (Intel) [5C]

C: The best practice for comments that ask the same thing is not to make one of them have the resolution available and say duplication to the other one, but to put the same resolution in all of them will be much more helpful to the commenter.

A: OK.

* AoB: None.
* Recessed at 12:29.

# May 12th, Monday (13:30-15:30 CEST)

* Split MAC and PHY ad-hoc sessions.
	+ MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0796-01-00bn-802-11bn-may-2025-mac-ad-hoc-minutes.doc>
	+ PHY: <https://mentor.ieee.org/802.11/dcn/25/11-25-0998-00-00bn-802-11-bn-phy-ad-hoc-minutes-warsaw-may-2025-interim-meeting.docx>

# May 13th, Tuesday (08:30-10:00 CEST)

* MAC ad-hoc session was conducted.
	+ MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0796-01-00bn-802-11bn-may-2025-mac-ad-hoc-minutes.doc>

# May 13th, Tuesday (10:30-12:30 CEST)

* Split MAC and PHY ad-hoc sessions.
	+ MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0796-01-00bn-802-11bn-may-2025-mac-ad-hoc-minutes.doc>
	+ PHY: <https://mentor.ieee.org/802.11/dcn/25/11-25-0998-00-00bn-802-11-bn-phy-ad-hoc-minutes-warsaw-may-2025-interim-meeting.docx>

# May 13th, Tuesday (16:00-18:00 CEST)

* Split MAC and PHY ad-hoc sessions.
	+ MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0796-01-00bn-802-11bn-may-2025-mac-ad-hoc-minutes.doc>
	+ PHY: <https://mentor.ieee.org/802.11/dcn/25/11-25-0998-00-00bn-802-11-bn-phy-ad-hoc-minutes-warsaw-may-2025-interim-meeting.docx>

# May 14th, Wednesday (08:00-10:00 CEST)

* Split MAC and PHY ad-hoc sessions.
	+ MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0796-01-00bn-802-11bn-may-2025-mac-ad-hoc-minutes.doc>
	+ PHY: <https://mentor.ieee.org/802.11/dcn/25/11-25-0998-00-00bn-802-11-bn-phy-ad-hoc-minutes-warsaw-may-2025-interim-meeting.docx>

# May 14th, Wednesday (10:30-12:30 CEST)

* Split MAC and PHY ad-hoc sessions.
	+ MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0796-01-00bn-802-11bn-may-2025-mac-ad-hoc-minutes.doc>
	+ PHY: <https://mentor.ieee.org/802.11/dcn/25/11-25-0998-00-00bn-802-11-bn-phy-ad-hoc-minutes-warsaw-may-2025-interim-meeting.docx>

# May 14th, Wednesday (16:00-18:00 CEST)

* Split MAC and PHY ad-hoc sessions.
	+ MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0796-01-00bn-802-11bn-may-2025-mac-ad-hoc-minutes.doc>
	+ PHY: <https://mentor.ieee.org/802.11/dcn/25/11-25-0998-00-00bn-802-11-bn-phy-ad-hoc-minutes-warsaw-may-2025-interim-meeting.docx>

# May 15th, Thursday (08:00-10:00 CEST)

* Split MAC and PHY ad-hoc sessions.
	+ MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0796-01-00bn-802-11bn-may-2025-mac-ad-hoc-minutes.doc>
	+ PHY: <https://mentor.ieee.org/802.11/dcn/25/11-25-0998-00-00bn-802-11-bn-phy-ad-hoc-minutes-warsaw-may-2025-interim-meeting.docx>

# May 15th, Thursday (10:30-12:30 CEST) - Joint

* The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order.
* Yusuke Asai (NTT) is serving as the Secretary.
* Registration information
	+ The chair announced that registration is needed to attend this meeting.
* Meeting protocol
	+ The chair announced that everyone is required to log in WebEx to vote.
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Attendance reminder.
	+ Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
	+ Please record your attendance during the conference call by using the IMAT system:
		- 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802 Wireless Interim/Plenary Session” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbn conference call that you are attending.
	+ If you are unable to record the attendance via [IMAT,](https://imat.ieee.org/attendance) then please send an e-mail to:
		- Joint: Yusuke Asai (yusuke.asai@ntt.com) & Alfred Asterjadhi (aasterja@qti.qualcomm.com)
		- PHY: Sigurd Schelstraete (sschelstraete@maxlinear.com), Tianyu Wu (tianyu@apple.com), and Dongguk Lim (dongguk.lim@lge.com)
		- MAC: Xiaofei Wang (xiaofei.wang@interdigital.com), and Srinivas Kandala (srini.k1@samsung.com), Jeongki Kim (jeongki.kim.ieee@gmail.com)
* IEEE 802 and 802.11 IPR policy and procedure
	+ Patent Policy: Ways to inform IEEE:
		- Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
		- Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
		- Speak up now and respond to this Call for Potentially Essential Patents

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.

**Nobody spoke/wrote up.**

* + **Patent, Participation, Copyright and policy related subclause:** Please refer to the agenda document ([11-25/0568r10](https://mentor.ieee.org/802.11/dcn/25/11-25-0568-10-00bn-tgbn-may-2025-meeting-agenda.pptx).)
	+ Copyright Policy: Participants are advised that
		- IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
		- Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy.

**Copyright Policy was presented.**

* Agenda
	+ Chair reviewed proposed agenda found in [11-25/0568r10](https://mentor.ieee.org/802.11/dcn/25/11-25-0568-10-00bn-tgbn-may-2025-meeting-agenda.pptx).
	+ Discussion:

C: I am requesting the SP in this session ([11-25/755r10](https://mentor.ieee.org/802.11/dcn/25/11-25-0755-10-00bn-pdt-mac-co-tdma-cr-cc50-part-2.docx)).

C: How do I deal with the motion which was not informed by e-mail?

A: It is scheduled for the PM2 session today.

C: Please add the SP related to MAP protection.

C: I have four SPs related to CBF.

C: I want to run the SPs on that [11-25/503r11](https://mentor.ieee.org/802.11/dcn/25/11-25-0503-11-00bn-pdt-mac-dbe.docx) and L4S.

C: I sent a request for the SP request as well ([11-25/0437r10](https://mentor.ieee.org/802.11/dcn/25/11-25-0437-10-00bn-cc-d0-1-subclause-37-11.docx)).

A: I will run at PM2.

* + The modified agenda was approved with unanimous consent.
* Announcement: None.
* Motions: [11-25/0014r18](https://mentor.ieee.org/802.11/dcn/25/11-25-0014-18-00bn-tgbn-motions-list-part-2.pptx)
	+ **Motion 389 (PHY):**

**Move to approve resolutions to the CIDs (15C):**

* + - 123, 1124, 2260, 2264 in [11-25/0612r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0612-01-00bn-cc50-cr-for-60-mhz-dru-tone-plan.docx) *[4 CIDs]*
		- 356, 357, 2180, 3300, 3562, 3566, 3671 in [11-25/0643r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0643-02-00bn-cr-phy-for-elr-introduction-and-requirement.docx) *[7 CIDs]*
		- 1653, 3371, 1661, 1662 in [11-25/0644r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0644-02-00bn-misc-phy-cids.docx) *[4 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Dongguk Lim Second: Eunsung Park

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the PHY ad-hoc teleconference of April 14, 2025.*

*\*Changed to r1 per Eunsung’s request.*

* + **Motion 390 (MAC):**

**Move to approve resolutions to the CIDs (54C):**

* + - 111, 187, 200, 218, 219, 621, 622, 623, 670, 671, 672, 676, 679, 680, 681, 682, 683, 713, 748, 1027, 1468, 1469, 1527, 1698, 1706, 1707, 1708, 1709, 1738, 1863, 1904, 2445, 2464, 3323, 3324, 3325, 3326, 3328, 3329, 3330, 3331, 3332, 3334, 3382, 3383, 3384, 3440, 3599, 3788, 3875, 3878, 3879, 3880, 3882 in [11-25/0521r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0521-02-00bn-pdt-mac-co-tdma-cr-cc50-part-1.docx) *[54 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Rethna Pulikkoonattu Second: Yusuke Asai

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the MAC ad-hoc teleconference of April 14, 2025.*

* + **Motion 391 (MAC):**

**Move to approve resolutions to the CIDs (27C):**

* + - 175, 195, 1537, 1538, 1684, 1685, 2080, 2111, 2581, 2582, 2583, 2584, 2585, 2635, 2636, 2637, 2638, 2827, 2975, 2976, 2977, 3165, 3279, 3437, 3577, 3648, 3870 in [11-25/0513r4](https://mentor.ieee.org/802.11/dcn/25/11-25-0513-04-00bn-pdt-mac-and-cc50-cr-of-bsr-enhancement.docx)\* *[27 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the MAC ad-hoc teleconference of April 17, 2025.*

*\* SP Result: 47Y, 8N, 33A.*

Move: Frank Hsu Second: Stephen McCann

* + - Discussion: None.

**Approved with unanimous consent.**

* + **Motion 392 (PHY):**

**Move to approve resolutions to the CIDs (27C):**

* + - 1630 in [11-25/0644r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0644-03-00bn-misc-phy-cids.docx) & 1624 in [11-25/0658r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0658-00-00bn-cc50-cr-for-38-3-10-11-construction-of-elr-sig.docx) *[2 CIDs]*
		- 4, 7, 179, 313, 318, 319, 587, 588, 1156, 1161, 1162, 2707, 3506 in [11-25/0588r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0588-02-00bn-cc50-cr-on-u-sig-part-2.docx) *[13 CIDs]*
		- 574, 889, 2259, 2261, 2262, 2263, 2265 in [11-25/0570r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0570-03-00bn-cc50-cr-for-38-3-4-transmission-of-dru.docx) *[7 CIDs]*
		- 297, 442, 444, 445, 566, 567, 568, 569, 1118, 1582, 1755, 1756, 1757, 2173, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2561, 2562, 3509, 3510, 3511, 3512, 3514, 3516 in [11-25/0656r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0656-01-00bn-cc50-cr-on-dru-in-38-3-2-1-group-1.docx) *[29 CIDs]*
		- 71, 369, 908, 1836, 2444, 1837, 1939, 1940, 1941, 1942, 2336, 3552, 3748, 3903, 3904, 3906, 3907, 3968 in [11-25/0663r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0663-02-00bn-cr-phy-subclause-38-3-21.docx) *[18 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Alice Chen Second: Rethna Pulikkoonattu

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the PHY ad-hoc teleconference of April 21st, 2025.*

* + **Motion 393 (MAC):**

**Move to approve resolutions to the CIDs (2C):**

* + - 174, 3667 in [11-25/0661r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0661-02-00bn-pdt-mac-and-cc50-cr-for-twt-sp-management.docx)\* *[2 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Kumail Haider Second: Rethna Pulikkoonattu

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the MAC ad-hoc teleconference of April 28, 2025.*

*\* Ran SP on r1 but header of doc had a typo, which is fixed in r2.*

* + **Motion 394 (PHY):**

**Move to approve resolutions to the CIDs (2C):**

* + - 2689 in [11-25/0570r4](https://mentor.ieee.org/802.11/dcn/25/11-25-0570-04-00bn-cc50-cr-for-38-3-4-transmission-of-dru.docx) *[1 CID]*
		- 194, 323, 324, 589, 590, 951, 963, 1164, 1165, 1520, 1531, 2069, 2774 in [11-25/0601r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0601-02-00bn-crs-on-elr-mark-section.docx) *[13 CID]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Dongguk Lim Second: Eunsung Park

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the PHY ad-hoc teleconference of April 28, 2025.*

* + **Motion 395 (PHY):**

**Move to accept the text proposed in** [**11-25/0695r1**](https://mentor.ieee.org/802.11/dcn/25/11-25-0695-01-00bn-uhr-tx-procedure.docx) **as draft text for the UHR transmit procedure to be included in the next revision of the 802.11bn Draft:**

Move: Dongguk Lim Second: Yusuke Asai

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are PDT documents that obtained ≥ 75% support during the straw poll phase of the PHY ad-hoc teleconference of April 28, 2025.*

* + **Motion 396 (PHY):**

**Move to approve resolutions to the CIDs [105 CIDs]:**

* + - 62, 63, 64, 182, 210, 272, 549, 951, 963, 1080, 1126, 1334, 2065, 2066, 2266, 2267, 2268, 2350, 2439, 2756, 2757, 2758, 2759, 2760, 2761, 3298, 3299, 3540, 3547 in [11-25/0602r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0602-02-00bn-crs-on-uhr-ldpc.docx) *[29 CIDs]*
		- 1146, 1147, 2768, 1148, 931, 2275, 28, 761 in [11-25/0659r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0659-00-00bn-cc50-cr-for-38-3-10-12-2-elr-ppdu.docx) *[8 CIDs]*
		- 27, 581, 582, 947, 948, 1086, 1087, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1341 1899, 1975, 2274, 2765, 2766, 2767, 3241, 3242 in [11-25/0672r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0672-03-00bn-cr-for-cc50-on-subclause-38-3-10.docx) *[24 CIDs]*
		- 3751 in [11-25/0682r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0682-00-00bn-crs-for-subclause-38-3-22-part-2.docx) & 3905 in [11-25/0702r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0702-00-00bn-cr-phy-cid-3905.docx) & 1617 in [25/0711r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0711-00-00bn-cc50-section-38-3-1-phyintro-cid.docx) & 953, 954, 1656 in [11-25/0677r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0677-01-00bn-cr-cc50-subclause-38-3-23-transmit-specification.docx) *[6 CIDs]*
		- 324, 325, 326, 364, 942, 1636, 2288, 3306, 3307, 3497, 3498, 3499, 3500, 3745 in [11-25/0679r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0679-02-00bn-cr-cc50-subclause-38-3-15-9-3.docx) *[14 CIDs]*
		- 41, 42, 43, 44, 45, 46, 332, 377, 441, 1094, 1170, 1639, 1640, 1956, 2296, 2297, 2298, 3244, 3311, 3502, 3503, 3504 in [11-25/0678r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0678-03-00bn-cr-cc50-subclause-38-3-15-9-6-part1.docx)\* *[22 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Dongguk Lim Second: Genadiy Tsodik

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the PHY ad-hoc slot of Monday PM1, May 12, 2025.*

*\*Updated to r3 on the fly.*

* + **Motion 397 (PHY-PDT):**

**Move to incorporate into the latest TGbn draft the proposed text changes from the following documents:**

* + - [11-25/0696r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0696-02-00bn-uhr-rx-procedure.docx),
		- [11-25/0701r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0701-02-00bn-pdt-phy-mu-mimo.docx),
		- [11-24/2021r1](https://mentor.ieee.org/802.11/dcn/24/11-24-2021-01-00bn-pdt-phy-transmit-specification.docx)

Move: Genadiy Tsodik Second: Ron Porat

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are proposed draft text documents that obtained ≥ 75% support during the straw poll phase of the PHY ad-hoc slot of Monday PM1, May 12, 2025.*

* + **Motion 398 (Joint):**

**Move to approve resolutions to the CIDs (2C):**

* + - 3159, 3160 in [11-25/0652r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0652-00-00bn-cr-for-cid-3159-and-3160.docx) *[1 CID]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Yusuke Asai Second: Stephen McCann

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the Joint meeting slot of Monday AM2, May 12, 2025.*

* + **Motion 399 (MAC):**

**Move to approve resolutions to the CIDs (97C):**

* + - 108, 736, 759, 1614, 1740, 1796, 1848, 2012, 2205, 2534, 2999, 3365, 3909, 3005, 188, 507, 2000, 2352, 2001, 2356, 2533, 3589, 3920, 3912, 2002, 2003, 2004, 2353, 2006, 2014, 493, 2007, 2009, 2715, 3457, 3892, 3921, 499, 514, 515, 2790, 516, 517, 3922, 511, 2017, 2018, 3260, 3458, 3929, 518, 519, 520, 163, 3910, 3006, 3367, 522, 3590, 524, 525, 526, 527, 528, 530, 533, 2016, 3931, 154, 166, 490, 3470, 2005, 3459, 2186, 1811, 2402, 3002, 3003, 3386, 3913, 521, 2010, 3585, 2019, 3369, 1066, 3001, 3366, 3454, 3619, 489, 3461, 3891, 1022, 3927, 3004 in [11-25/0566r10](https://mentor.ieee.org/802.11/dcn/25/11-25-0566-10-00bn-pdt-mac-on-seamless-roaming-part-1.docx) *[97 CID]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Duncan Ho Second: Binita Gupta

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the MAC ad-hoc slot of Tuesday AM1, May 13, 2025.*

* + **Motion 400 (MAC):**

**Move to approve resolutions to the CIDs (104C):**

* + - 148, 152, 153, 160, 161, 181, 669, 775, 1318, 1319, 1320, 1324, 1395, 1398, 1399, 1428, 1491, 1494, 1739, 1788, 1789, 2466, 3254, 3438, 3606, 3779, 3780, 3781 in [11-25/0599r13](https://mentor.ieee.org/802.11/dcn/25/11-25-0599-13-00bn-pdt-mac-mapc-signaling-and-protocol-aspects.docx) *[28 CIDs]*
		- 202, 277, 439, 714, 742, 780, 781, 830, 832, 880, 901, 994, 1050, 1321, 1322, 1381, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1435, 1436, 1439, 1562, 1599, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1806, 1832, 1867, 1910, 2117, 2118, 2119, 2519, 2674, 3175, 3176, 3177, 3178, 3179, 3180, 3181, 3257, 3258, 3259, 3420, 3445, 3446, 3447, 3448, 3449, 3450, 3582, 3710, 3795, 3854, 3884 ,3885, 3886, 3887, 3888 in [11-25/0600r13](https://mentor.ieee.org/802.11/dcn/25/11-25-0600-13-00bn-pdt-mac-co-rtwt-signaling-and-protocol-aspects.docx) *[76 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Giovanni Chisi Second: Jay Yang

* + - Discussion: None.

C: I have a concern of the [11-25/0599r13](https://mentor.ieee.org/802.11/dcn/25/11-25-0599-13-00bn-pdt-mac-mapc-signaling-and-protocol-aspects.docx), so I request to defer this motion.

C: Could you please make motion separately?

C: Let’s do it this way because this motion is on the floor. We’ll run this one, and see how things go, we can prepare to separate it.

C: I request a recording motion.

**~~Preliminary result: 158Y, 59N, 54A (preliminary failed.)~~**

**Result: 152&, 56N, 52A (failed.)**

* + **Motion 400A (MAC):**

**Move to approve resolutions to the CIDs (76C):**

* + - 202, 277, 439, 714, 742, 780, 781, 830, 832, 880, 901, 994, 1050, 1321, 1322, 1381, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1435, 1436, 1439, 1562, 1599, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1806, 1832, 1867, 1910, 2117, 2118, 2119, 2519, 2674, 3175, 3176, 3177, 3178, 3179, 3180, 3181, 3257, 3258, 3259, 3420, 3445, 3446, 3447, 3448, 3449, 3450, 3582, 3710, 3795, 3854, 3884 ,3885, 3886, 3887, 3888 in [11-25/0600r13](https://mentor.ieee.org/802.11/dcn/25/11-25-0600-13-00bn-pdt-mac-co-rtwt-signaling-and-protocol-aspects.docx) *[76 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Abhishek Patil Second: Rubayet Shafin

* + - Discussion: None.

C: This motion is dependent on 11-25/0599.

C: I think we can run the motion. The text of this one assumes that the other one is baseline. Since the other one failed and this contains the other text. The comment’s concerns are for the previous motion and these are not technical concerns.

C: I don’t think it works to have a document that already assumed some other changes which are not going to be made, and we are just going to make these changes. It is not clear what the end has to do with. I don’t think this motion makes sense.

C: Is the document self-contained to be executed by the editor to incorporate changes to the draft?

A: I would say so, yes. There is some text that is assumed as baseline. It’s black text.

C: Then it’s not executable. OK, let me table this one.

**Tabled.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the MAC meeting slot of Tuesday AM2, May 12, 2025.*

* + **Motion 401 (PHY):**

**Move to approve resolutions to the CIDs (35C):**

* + - 320, 1348, 1634, 3133 in [11-25/0670r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0670-00-00bn-cc50-cr-on-u-sig-part-4.docx) & 355, 1948, 1949, 1950 in [11-25/0703r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0703-02-00bn-cc50-comment-resolutions-for-38-3-21-coordinated-beamforming.docx) *[8 CIDs]*
		- 284, 1612, 2955, 2956, 3526, 3708 in [11-25/0712r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0712-02-00bn-cc50-section-9-4-2-aa2-3-phycap-cids.docx) *[6 CIDs]*
		- 301, 302, 303, 304, 448, 449, 450, 451, 1331, 1332, 1333, 1900, 2253, 2650, 2754, 3418, 3518, 3519, 3669, 3670, 3731 in [11-25/0750r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0750-01-00bn-resolutions-for-cids-in-38-3-2-2.docx) *[21 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Alice Chen Second: Eugene Baik

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the PHY meeting slot of Tuesday AM2, May 12, 2025.*

* + **Motion 402 (MAC):**

**Move to approve resolutions to the CIDs (9C):**

* + - 1405, 1467, 1902, 1943, 2102, 2103, 2104 in [11-25/640r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0640-03-00bn-cc50-cr-for-a-mpdu-9-7.docx) *[7 CIDs]*
		- 1406 in [11-25/641r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0641-03-00bn-cc50-cr-for-a-mpdu-operation-in-a-uhr-ppdu.docx) *[1 CID]*
		- 1407 in [11-25/660r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0660-02-00bn-cc50-ppdu-classification-for-uhr-sta.docx) *[1 CID]*

**and incorporate the text changes into the latest TGbn draft.**

Move: SunHee Baek Second: Hong Won lee

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the MAC meeting slot of Tuesday PM2, May 12, 2025.*

* + **Motion 403 (PHY):**

**Move to approve resolutions to the CIDs (81C):**

* + - 3230, 674, 2063, 3231, 1895, 2796, 1896, 2554, 2795, 3232, 1974, 2064, 2810, 3233, 2555, 2556, 1897, 206, 1618, 2811, 124, 2797, 2750, 2705, 3234, 2798, 1958, 1959, 1119, 1120, 945, 3128, 1473, 1474, 2752, 2721, 2805, 2806, 2807, 2566, 1, 1584, 2642, 3235, 3236, 1583, 2563, 2751, 3744 in [11-25/0732r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0732-02-00bn-cc50-crs-related-to-tone-plan-for-drus.docx) *[49 CIDs]*
		- 583, 933, 1152, 1153, 1343, 1344, 1838, 2068, 2279, 2280, 2281, 2282, 2727, 2770, 2771, 3301, 3548, 3557 in [11-25/0615r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0615-00-00bn-cc50-cr-on-timing-related-parameters.docx) *[18 CIDs]*
		- 331, 333, 371, 3310, 1206, 1093, 1169, 1355, 2071, 2295, 3538, 551, 2182, 3539 in [11-25/0731r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0731-03-00bn-cr-for-38-3-15-9-6-user-specific-field-part-2-on-p802-11bn-d0-2.docx)\* *[14 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Oded Redlich Second: Julia Feng

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the PHY meeting slot of Tuesday PM2, May 12, 2025.*

*\*SP was run on 731r3 but no r3 in the server.*

* + **Motion 404 (PHY-PDT):**

**Move to incorporate into the latest TGbn draft the proposed text changes from the following documents:**

* + - [11-25/0754r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0754-03-00bn-pdt-phy-ofdm-modulation.docx)\*,
		- [11-25/0844r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0844-00-00bn-pdt-transmit-constellation-error-definition-for-uhr-rru-tb-ppdu.docx)

Move: Youhan Kim Second: Dongguk Lim

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are proposed draft text documents that obtained ≥ 75% support during the straw poll phase of the PHY ad-hoc slot of Tuesday ??, May 12, 2025, and Wednesday AM1, May 14, 2025.*

*\*Changed to r3 per Youhan’s request.*

* + **Motion 405 (PHY):**

**Move to approve resolutions to the CIDs (47C):**

* + - 65, 1088, 1149, 66, 1150, 1585, 2276, 67, 309, 1089, 1151, 1342, 1586, 2067, 2278, 2277, 68, 3505, 3551, 932, 2769, 3243 in [11-25/0846r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0846-01-00bn-comment-resolution-for-38-3-11-mcs-ueqm.docx) *[22 CIDs]*
		- 359, 80, 378, 379, 1100, 1195, 1664, 2338, 81, 379, 358, 361, 3707 in [11-25/0855r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0855-00-00bn-comment-resolution-for-38-5-parameters-of-uhr-mcs.docx) *[13 CIDs]*
		- 178, 1121, 1670, 1960, 2722 in [11-25/0902r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0902-01-00bn-cr-for-subclause-38-3-2-2-2.docx) & 296, 926, 1021, 2172, 2800 in [11-25/0914r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0914-01-00bn-cc50-cr-on-dru-definition-of-distribution-bandwidth.docx) *[10 CIDs]*
		- 2036 in [11-25/0886r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0886-00-00bn-cc50-cr-for-dru-dcm.docx) & 2034 in [11-25/0804r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0804-00-00bn-cc50-cr-for-37-6-nominal-packet-padding-values-selection-rules.docx)\* *[2 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Rui Cao Second: Dongguk Lim

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the PHY ad-hoc slot Wednesday AM1, May 14, 2025.*

*\*Changed on the fly.*

* + **Motion 406 (MAC):**

**Move to approve resolutions to the CIDs (18C):**

* + - 1240, 1243, 1244, 1246, 1247, 1248, 1249, 1251 in [11-25/0713r7](https://mentor.ieee.org/802.11/dcn/25/11-25-0713-07-00bn-pdt-mac-dso-follow-up.docx) *[8 CIDs]*
		- 203, 505, 883, 3935, 3933, 2021, 3466, 720, 882, 3464 in [11-25/0736r8](https://mentor.ieee.org/802.11/dcn/25/11-25-0736-08-00bn-pdt-cr-mac-on-seamless-roaming-part-2.docx) *[10 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Morteza Mehrnoush Second: Pooya Monajemi

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the MAC ad-hoc slot Wednesday AM1, May 14, 2025.*

* + **Motion 407 (PHY):**

**Move to approve resolutions to the CIDs (64C):**

* + - 327, 52, 1976, 1977, 1978, 2775, 3536, 36, 116, 130, 1166, 1062, 1352, 2070, 2776, 3308, 3537, 328, 329, 376, 1091, 1167, 1589, 2290, 2291, 3309, 3501 in [11-25/0725r4](https://mentor.ieee.org/802.11/dcn/25/11-25-0725-04-00bn-cc50-cr-for-uhr-sig-user-specific-field-part-1.docx) *[27 CIDs]*
		- 114, 1350, 1351, 1588, 1637, 2181, 2289, 35, 440, 1638, 1955 in [11-25/0686r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0686-00-00bn-cc50-cr-for-common-field-for-non-ofdma-transmission-and-co-bf-transmission.docx) [11 CIDs]
		- 353, 354,905,1654, 3753 in [11-25/0778r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0778-00-00bn-cr-phy-cc50-cids-in-subclause-38-3-19-transmit-requirements-for-ppdus-sent-in-response-to-a-triggering-frame-part2.docx) *[5 CIDs]*
		- 271, 956, 959, 1657, 1658, 3246, 3249 in [11-25/0777r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0777-03-00bn-cr-phy-cc50-cids-in-subclause-38-3-25-receiver-specification-part2.docx) & 1625, 1626 in [11-25/0919r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0919-00-00bn-cc50-cid-resolutions-for-section-38-3-10.docx) *[9 CIDs]*
		- 1471, 3226, 2047, 2048, 2237, 2549, 2559, 2567, 2568, 2569, 2717, 3295 in [11-25/0881r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0881-00-00bn-cc50-cid-resolutions-for-section-38-1-part-3.docx) *[12 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Juan Fang Second: Eugene Baik

* + - Discussion:

C: This motion includes a lot of documents with different targets. Regarding [11-25/881r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0881-00-00bn-cc50-cid-resolutions-for-section-38-1-part-3.docx), it mentions the condition was very simple and low-cost non-AP MLD devices, but they can ignore some complex processing. For 20 MHz only non-AP STA, all the limited capability was removed in the r1. It does not make sense.

A: The section is the PHY introduction part. The section is about capabilities. If a device supports CoBF, it should support that beamforming feedback for CoBF. Otherwise, the device does not send the capability of CoBF. This has nothing to do with the MAC. Nobody requires 20 MHz devices to support CoBF.

C: The last one bullet in this motion is MAC related. According to my MAC ad-hoc minutes, one had a SP of 81Y/29N according to my calculation. That is about 64% support.

C: I request a counting motion.

**~~Preliminary Result: 124Y, 30N, 100A, (preliminary passed.)~~**

**Result: 123Y, 27N, 97A, (passed.)**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the PHY ad-hoc slot Wednesday AM2, May 14, 2025.*

C: If the Chair can include at least the title of the document would be very good.

A: If your cursor on top of the document, it shows you the title.

(MAC related part in original motion 407 were postponed to PM2, Thursday.)

* + **Motion 408 (PHY):**

**Move to approve resolutions to the CIDs (182C):**

* + - 2270, 125, 1335, 1128, 1336, 576, 1129, 1337, 2762, 126, 2271, 1130, 1930, 1081, 2440, 127, 1082, 1131, 1338, 1759, 2763, 1339, 1132, 929, 1340, 577, 578, 1083, 2272, 2764, 308, 2725, 1622, 1133, 3238, 930, 1134, 1135, 579, 2273, 580, 1084, 2726, 1623, 946, 3239, 3240, 1136, 1931, 2441, 1085, 26, 1137, 1932, 2442 in [11-25/0884r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0884-03-00bn-cc50-cr-for-subclauses-38-3-9-and-38-3-8.docx) *[55 CIDs]*
		- 298, 3513, 3515, 3517, 446, 571, 2175, 299, 2174, 3274, 452, 447, 572 in [11-25/0927r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0927-03-00bn-cc50-cr-on-dru-in-38-3-2-1-group-2.docx) *[13 CIDs]*
		- 1616, 2438, 3227, 137, 904, 2736, 3126, 1371, 1372, 2050, 315, 1760, 3304, 139, 1106, 1107, 1108, 2049, 2238, 2737, 2738, 3296, 3342, 3343, 3483, 3750, 140, 141, 292, 563, 564, 678, 924, 925, 1109, 1110, 1111, 1112, 2051, 2052, 2239, 2241, 2718, 2719, 2720, 2739, 2740, 3228, 3357, 3358, 3359, 3360, 3484, 177, 1073, 1074, 1075, 1581, 1901, 2053, 2054, 2055, 2056, 2057, 2240, 2741, 2742, 3229, 3485, 3486, 3487, 3488, 119, 120, 121, 293, 294, 1076, 1077, 1113, 1114, 1115, 1116, 1373, 1929, 2058, 2059, 2242, 2743, 3370, 3489, 3490, 3491, 3492, 3493, 3496, 565, 2060, 2744, 3297, 2745, 1078, 2061, 2243, 2746, 2747, 3494, 295, 1079, 2062, 2244, 2748, 2749, 3495 in [11-25/0718r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0718-02-00bn-cr-cc50-phy-service-interface.docx) *[114 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Yusuke Asai Second: Bo Sun

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the PHY ad-hoc of Wednesday PM2, May 14, 2025.*

* + **Motion 409 (MAC):**

**Move to approve resolutions to the CIDs (103C):**

* + - 741, 2864, 2867, 2869, 2522, 2450, 630, 2428, 811, 403, 851, 3672, 898, 3201, 3202, 3624, 3826, 53, 1981, 3269, 1035, 2862, 896, 107, 465, 645, 850, 965, 3132, 2661, 1982, 1262, 1604, 2449, 717, 768, 1263, 1984, 3626, 3720, 85, 88, 3131, 2662, 1264, 897, 1532, 3134, 709, 3827, 2865, 1522, 2082, 2574, 2083, 86, 87, 1265, 1036, 2866, 1983, 2575, 109, 852, 2576, 3372, 3628, 2870, 3829, 3830, 812, 3373, 3721, 3723, 3831, 3832, 3833, 2871, 1735, 1842, 1266, 813, 814, 466, 467, 646, 647, 1857, 1905, 3374, 3834, 711, 740, 2872, 3203, 2577, 853, 2873, 1267, 57, 58 in [11-25/0438r7](https://mentor.ieee.org/802.11/dcn/25/11-25-0438-07-00bn-cc-d0-1-subclause-9-3-1-8-6.docx) except for the changes tagged as [#1261] *[101 CIDs]*
		- 162, 3866 in [11-25/0676r5](https://mentor.ieee.org/802.11/dcn/25/11-25-0676-05-00bn-cc50-cr-for-cid3866.docx) *[2 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Bo Cao Second: Laurent Cariou

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the MAC ad-hoc of Wednesday PM2, May 14, 2025.*

* Straw Polls
	+ [11-25/0755r11](https://mentor.ieee.org/802.11/dcn/25/11-25-0755-11-00bn-pdt-mac-co-tdma-cr-cc50-part-2.docx): PDT and Comment resolutions for Co-TDMA (Part 2)

Sanket Kalamkar (Qualcomm Technologies Inc) [130C SP]

**SP (Sanket):**

**Do you agree to incorporate the proposed text changes in 11-25/0755r11 to the latest TGbn draft?**

CID list: 94, 217, 624, 684, 687, 688, 691, 991, 1048, 1049, 1430, 1526, 1541, 1544, 1700, 1702, 1710, 2458, 2815, 2817, 3170, 3256, 3322, 3327, 3336, 3444, 3604, 3790, 3873, 3874, 3877.

* + - Discussion:

C: I submitted two comments (3964 and 3965) on this topic, and as far as I can see, neither has been addressed.

A: It is still under work. I will address them later.

C: Can you mention what the change was?

A: We have added the ACK frame to the sequence figure.

C: Just to clarify, the document is complete with respect to my comments. I just think it is the wrong version. But it is not as if there is a TBD or anything broken.

(A recorded SP was requested.)

**Result: 156Y, 26N, 59A.**

**SP(Jay):**

**Do you agree that TGbn defines a procedure based on pre-association security negotiation (PASN) or uses PASN with necessary extensions to derive the key(s) needed for the protected version of individually addressed MAPC Negotiation Request frame and MAPC Negotiation Response frame exchanged between two APs as part of MAPC operation.**

*Supporting list:* [*24/1693r3*](https://mentor.ieee.org/802.11/dcn/24/11-24-1693-03-00bn-the-mapc-security-framework.pptx)*,* [*23/1836r3*](https://mentor.ieee.org/802.11/dcn/23/11-23-1836-03-00bn-map-security-consideration.pptx)*,* [*24/1220r2*](https://mentor.ieee.org/802.11/dcn/24/11-24-1220-02-00bn-a-framework-for-coordinated-access-points.pptx)

* + - Discussion:

C: Defining a procedure is fine, and your intention is not that the only exclusive procedure. Is that correct interpretation?

A: It does not exclude other procedures.

**Result: No objection.**

* + **SP(Alice):**

**Do you agree to add the following to 11bn SFD?**

* + - Use fixed values for the following fields in the CoBF transmission
		- UHR-SIG MCS is fixed to MCS0
		- Spatial Reuse is fixed to ‘PSR\_AND\_NON\_SRG\_OBSS\_PD\_PROHIBITED’
		- LDPC Extra Symbol Segment is fixed to 1
		- PE Disambiguity is fixed to 1
		- Interference Mitigation is fixed to ‘Disable’

*Supporting doc:* [*11-25/842r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0842-01-00bn-information-exchange-in-the-cobf-transmission-phase-follow-up.pptx)*,* [*11-25/389r2*](https://mentor.ieee.org/802.11/dcn/25/11-25-0389-02-00bn-information-exchange-in-the-cobf-transmission-phase.pptx)*,* [*11-25/399r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0399-01-00bn-cobf-cosr-design-follow-up.pptx)*,* [*11-25/401r0*](https://mentor.ieee.org/802.11/dcn/25/11-25-0401-00-00bn-cobf-phy-design-consideration.pptx)

* + - Discussion: None.

**Result: No objection.**

* + **SP2(Alice):**

**Do you agree to add the following to 11bn SFD?**

* + - **The Bandwidth and Punctured Channel Information indication in the CoBF Invite and Sync frames are the same with the following rules:**
		- When the static puncturing patterns of the two APs are the same, the puncturing information in the invite and sync frames corresponds to that
		- If the static puncturing patterns of the two APs are not the same, the sharing AP will need to reduce to a smaller BW in which the two APs have the same puncturing pattern, and the information in the invite and sync frames will correspond to that reduced BW configuration
		- Note: Indication format is TBD

Supporting doc: [11-25/842r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0842-01-00bn-information-exchange-in-the-cobf-transmission-phase-follow-up.pptx)

* + - Discussion: None.

**Result: No objection.**

* + **SP3(Alice)**

**Do you agree to add the following to 11bn SFD?**

* + - **The indicated GI+LTF Size (for the COBF transmission) in the CoBF Invite and Sync frames is the same:**
		- GI+LTF size indication format is TBD

Supporting doc: [11-25/842r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0842-01-00bn-information-exchange-in-the-cobf-transmission-phase-follow-up.pptx)

* + - Discussion: None.

C: The value of the GI+ LTF Size is redundant because you indicate it twice. And if the decision of the GI+LTF is negotiated during the long term, it can be made simpler.

A: In the last March meeting, we already agreed that the GI+ LTF Size will be in CoBF invite frame and sync frame, and this is same as the invite and response frames. It is not for long term.

C: But what you say is the value becomes the same, that means that cannot be changed change the value based on the response frame.

**Result: 190Y, 26N, 82A.**

(The rest of three SPs were postponed to the PM2 session.)

* PDTs/CRs/Submissions
	+ [11-25/0681r9](https://mentor.ieee.org/802.11/dcn/25/11-25-0681-09-00bn-pdt-crs-joint-sounding-procedure.docx): PDT Sounding Procedure and CR for subclause 37.7

You-Wei Chen (MediaTek) [130C SP]

**SP:**

**Do you agree to incorporate the proposed text changes in** [**11-25/0681r10**](https://mentor.ieee.org/802.11/dcn/25/11-25-0681-10-00bn-pdt-crs-joint-sounding-procedure.docx) **to the latest TGbn draft?**

CIDs: 73 74 75 76 77 78 79 133 134 135 146 167 168 196 197 198 215 216 285 286 287 412 413 414 773 774 862 863 906 917 918 919 920 921 922 923 961 966 967 968 970 971 972 973 974 975 978 979 980 981 1031 1205 1382 1403 1404 1495 1525 1572 1573 1574 1575 1576 1577 1752 1920 1921 1935 1936 1944 1951 1952 1953 1957 2112 2113 2114 2219 2220 2221 2222 2223 2224 2225 2467 2546 2803 2804 2809 2980 2981 2982 2983 2984 2985 2986 2987 2988 2989 2990 2991 2992 3166 3167 3168 3280 3281 3282 3283 3284 3288 3289 3290 3527 3528 3549 3550 3576 3608 3674 3675 3676 3677 3727 3901 3969 3970

* + - Discussion:

C: Please make sure you always refer to the actual frame name. I see square brackets in the editorial changes. It is not clear whether the editor’s supposed to put that text into the draft.

A: I will take a note and will submit the comment next one.

C: I am willing to make a comment to the next round saying globally change invite or invitations.

C: The SP in the last morning with regards to timing and reference. I think another SP are incorporated in this document?

A: Yes.

C: In the single TXOP, the duration does not exceed 8ms, is there any technical reason for this value?

C: This is basically for four STAs per AP and two AP and the sounding process takes around 8ms at MCS0. So, we wanted to have support for 4 STA per AP in the two BSSs.

C: I object to the use of a verb as a noun.

C: The counting SP was requested.

**Result:158Y, 9N, 64A.**

* + [11-25/0442r4](https://mentor.ieee.org/802.11/dcn/25/11-25-0442-04-00bn-cc50-cr-on-trigger-frame-part-1.docx): Comment Resolution for 9.3.1.22 and 9.3.1.22.1

Alice Chen (Qualcomm Inc.) [29C SP]

**SP:**

**Do you agree to incorporate the proposed text changes i**n [**11-25/0442r5**](https://mentor.ieee.org/802.11/dcn/25/11-25-0442-05-00bn-cc50-cr-on-trigger-frame-part-1.docx)to **the latest TGbn draft?**

CIDs: 9, 10, 61, 84, 193, 404, 405, 1065, 1203, 1567, 1568, 1985, 2084, 2340, 2523, 2875, 2876, 2877, 2878, 2879, 2880, 3161, 3270, 3271, 3474, 3631, 3722

* + - Discussion:

C: Please just say for BSRP NTB trigger frame.

C: I think we do the same thing for MU RTS TXS.

A: A: Here is the first appearance of it, so we need to define it.

C: The comment is right. When we name frames, it doesn’t matter what combination of letter we use, that is the same for the frame. If you want to explain where the name came from, you can do so after you put it in brackets at the back and say it’s called a BSRP NTB trigger frame. Because NTB stands for not triggers.

A: I will revise it on the next revision (r5).

**Result: No objection.**

* + [11-25/0634r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0634-02-00bn-joint-pdt-cr-trigger-frame-format-part-3.docx): Comment Resolution for 9.3.1.22.3 Alice Chen (Qualcomm Inc.) [16C SP]

SP:

**Do you agree to incorporate the proposed text changes in** [**11-25/0634r3**](https://mentor.ieee.org/802.11/dcn/25/11-25-0634-03-00bn-joint-pdt-cr-trigger-frame-format-part-3.docx) **to the latest TGbn draft?**

CIDs: 16, 113, 283, 557, 558, 1609, 2091, 2344, 2345, 2470, 2905, 2906, 3273, 3643, 3644, 3725.

* + - Discussion:

C: We mentioned the behavior of MPS STA but NPCA is an optional feature. We also mentioned the behavior of non-NPCA STA. How should those STAs set this value (NPCA Primary Channel indication)?

A: This NPCA is in the Special User Info field. The Special User Info field is common information for all the STAs. My understanding is that the behavior should be addressed in Clause 37 and this is consistent coming to all the spec.

C: In MAC, we have a subclause that defines the expected behaviors of the NPCA primary channel indication. Here is the definition of the field.

**Result: No objection.**

* Recessed at 12:29.

# May 15th, Thursday (16:00-18:00 CEST) - Joint

* The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order.
* Yusuke Asai (NTT) is serving as the Secretary.
* Registration information
	+ The chair announced that registration is needed to attend this meeting.
* Meeting protocol
	+ The chair announced that everyone is required to log in WebEx to vote.
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Attendance reminder.
	+ Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
	+ Please record your attendance during the conference call by using the IMAT system:
		- 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802 Wireless Interim/Plenary Session” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbn conference call that you are attending.
	+ If you are unable to record the attendance via [IMAT,](https://imat.ieee.org/attendance) then please send an e-mail to:
		- Joint: Yusuke Asai (yusuke.asai@ntt.com) & Alfred Asterjadhi (aasterja@qti.qualcomm.com)
		- PHY: Sigurd Schelstraete (sschelstraete@maxlinear.com), Tianyu Wu (tianyu@apple.com), and Dongguk Lim (dongguk.lim@lge.com)
		- MAC: Xiaofei Wang (xiaofei.wang@interdigital.com), and Srinivas Kandala (srini.k1@samsung.com), Jeongki Kim (jeongki.kim.ieee@gmail.com)
* IEEE 802 and 802.11 IPR policy and procedure
	+ Patent Policy: Ways to inform IEEE:
		- Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
		- Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
		- Speak up now and respond to this Call for Potentially Essential Patents

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.

**Nobody spoke/wrote up.**

* + **Patent, Participation, Copyright and policy related subclause:** Please refer to the agenda document ([11-25/0568r13](https://mentor.ieee.org/802.11/dcn/25/11-25-0568-13-00bn-tgbn-may-2025-meeting-agenda.pptx).)
	+ Copyright Policy: Participants are advised that
		- IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
		- Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy.

**Copyright Policy was presented.**

* Agenda
	+ Chair reviewed proposed agenda found in [11-25/0568r13](https://mentor.ieee.org/802.11/dcn/25/11-25-0568-13-00bn-tgbn-may-2025-meeting-agenda.pptx).
	+ Discussion: None.
	+ The agenda was approved with unanimous consent.
* Announcements:
* Straw Polls and CRs
	+ **SP (Binita):**

**Do you agree to incorporate the proposed text changes in** [**11-25/0503r13**](https://mentor.ieee.org/802.11/dcn/25/11-25-0503-13-00bn-pdt-mac-dbe.docx) **to the latest TGbn draft?**

CIDs: 3942, 3943, 2212, 2213, 3575

* + - Discussion: None.

**Result: No objection.**

* + **SP (Binita, L4S):**

**Do you agree to define in 11bn an optional mechanism for L4S support on the AP as below?**

* + - Define an MLME primitive that provides congestion notification from the MAC layer to the higher layer at the AP, to enable the upper layer to mark ECN bits on subsequent DL packets for L4S congestion signaling.
		- Enhance the MA-UNITDATA.request primitive to provide an indication whether the MSDU carries the packet of L4S flow

NOTE - The conditions and criteria based on which the MAC layer determines to signal L4S congestion experienced notification to the upper layer is implementation specific and is outside the scope of this specification.

**Result: No objection.**

* + **SP (Laurent):**

**Do you agree to incorporate the proposed text changes in** [**11-25/0437r10**](https://mentor.ieee.org/802.11/dcn/25/11-25-0437-10-00bn-cc-d0-1-subclause-37-11.docx) **to the latest TGbn draft?**

CIDs: 2037 3069 3268 3219 3213 3211 3954 3776 3777 2200 637 1067 2156 2405 2408 2588 628 ~~2426~~ 2589 2590 3190 3690 886 3063 3210 3216 2489 2490 2491 2591 2592 3392 1069 3657 3691 3660 3208 3064 3065 2191 2193 2196 2594 2595 3209 3658 3692 2229 3066 3067 3215 2597 504 648 1884 1885 2454 3951 3693 3694 887 3068 3659 3695 3696 3195 1835 3072 3073 3426 425 629 638 722 1840 1903 1927 1971 2157 2427 2493 2598 3145 3393 3427 3697 3074 3717 1912 3076 3075 723 3077 1839 1886 2599 1913 738 3428 3698 3078 724 1285 2494 2496 2600 3079 3080 3699 3214 103 657 739 799 1286 1887 2495 2601 3082 3700 3765 1844 3081 509 102 2198 2602 3083 1287 2497 2603 3661 3701 658 800 3084 508 649 725 2195 2199 2604 3218 2605 1914 1915 2230 3217 2606 3766 1563 3205

* + - Discussion:

C: The CID 2426 should be removed.

A: OK

C: We have some concerns about it. Could we request to defer the SP?

A: We have spent two months and I understand there were no problems.

**Result: No objection.**

* + **SP (Alice):**

**Do you agree to add the following to 11bn SFD?**

* + - The Number of UHR-SIG Symbols in CoBF transmission is equal to the minimum number of UHR-SIG symbols needed to accommodate the UHR-SIG information
		- No extra UHR-SIG symbols will be allowed

*Supporting doc:* [*11-25/842r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0842-01-00bn-information-exchange-in-the-cobf-transmission-phase-follow-up.pptx)

* + - Discussion: None.

**Result: No objection.**

* + **SP (Chaoming):**

**Do you agree to incorporate the proposed text changes in** [**11-25/0537r3**](https://mentor.ieee.org/802.11/dcn/25/11-25-0537-03-00bn-cc50-cid-1783-discussion-on-npca-minimum-duration-threshold.docx) **to the latest TGbn draft?**

CID: 1783

* + - Discussion:

C: For the maximum value of 2432us, what is the intention here?

A: (The maximum value is defined as the sum of the 128us multiplied by 15 and the fixed value (512us)).

**Result: No objection.**

* + **SP (Alice):**

**Do you agree to incorporate the proposed text changes in** [**11-25/0635r2**](https://mentor.ieee.org/802.11/dcn/25/11-25-0635-02-00bn-joint-pdt-cr-trigger-frame-format-part-4.docx) **to the latest TGbn draft?**

CID: 17, 18, 19, 20, 21, 115, 128, 129, 131, 370, 406, 408, 409, 468, 469, 470, 559, 560, 816, 817, 964, 1037, 1269, 1460, 1461, 1462, 1463, 1464, 1523, 1570, 1571, 1610, 1968, 2346, 2347, 2348, 2665, 2799, 2801, 2907, 2908, 2909, 2912, 2913, 2914, 2915, 2916, 2919, 2920, 2921, 2922, 2924, 2925, 2927, 2928, 2929, 2930, 2931, 3223, 3224, 3225, 3276, 3478, 3479, 3481, 3673, 3837, 3838, 3839, 3840 in [11-25/0635r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0635-02-00bn-joint-pdt-cr-trigger-frame-format-part-4.docx) [70 CIDs]

* + - Discussion: None.

**No objection.**

* + **SP (Alice):**

**Do you agree to incorporate the proposed text changes in** [**11-25/0636r3**](https://mentor.ieee.org/802.11/dcn/25/11-25-0636-03-00bn-joint-pdt-cr-trigger-frame-format-part-5.docx) **to the latest TGbn draft?**

CID: 22, 1038, 1421, 1564, 1730, 1954, 2092, 2510, 2578, 2666, 2667, 2932, 2933, 2934, 3755, 3840. in [11-25/0636r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0636-03-00bn-joint-pdt-cr-trigger-frame-format-part-5.docx) [16 CIDs]

* + - Discussion:

C: I see some offline discussion on the User Info field and several flaws. Can we defer this?

A: This one discussed on Monday and I don’t see the majority objection. I would like to try the SP.

C: That has been discussed for a long time, there is no technical discussion or issues that you raised.

C: If we use one User Info to carry this, it is more efficient.

A: I can see in the previous discussion, but no one has even raised this concern.

C: I am also a bit surprised that this is coming up at the last minute, because there has been no discussion about this in the past. We should run the straw poll.

C: I request a recording straw poll.

**Result: 136Y, 92N, 75A**

* + **SP (Alice):**

**Do you agree to incorporate the proposed text changes in** [**11-25/0637r4**](https://mentor.ieee.org/802.11/dcn/25/11-25-0637-04-00bn-joint-pdt-cr-trigger-frame-format-part-6.docx) **to the latest TGbn draft?**

CID: 23, 24, 25, 471, 1270, 1271, 1465, 2579, 2668, 2935, 2936, 2937, 3726, 3756 in [11-25/0637r4](https://mentor.ieee.org/802.11/dcn/25/11-25-0637-04-00bn-joint-pdt-cr-trigger-frame-format-part-6.docx) [14 CIDs]

* + - Discussion: None.

**Result: No objection.**

* + **SP (Xiaofei):**

**Do you support to incorporate the proposed changes as contained in** [**11-25/0646r5**](https://mentor.ieee.org/802.11/dcn/25/11-25-0646-05-00bn-cr-for-clause-3-2.docx) **as resolutions for the following CIDs to the next 11bn draft?**

CIDs: 279, 460, 909, 1026, 1785, 2654, 2657, 2841, 3814 [9 CIDs]

* + - Discussion:

C: Regarding the definition of APID, my colleague brought a contribution which had another change. You need to harmonize the one sentence.

A: OK.

**Result: No objection.**

* + **SP (Akira):**

**Do you agree to incorporate the proposed text changes in document** [**11-25/0717r5**](https://mentor.ieee.org/802.11/dcn/25/11-25-0717-05-00bn-pdt-joint-abbreviations-and-acronyms.docx) **into the latest TGbn draft?**

CIDs: 400, 1458, 1680, 3222, 3957, 2396 [6 CIDs]

* + - Discussion: None.

**Result: No objection.**

* + **SP (Juan):**

**Do you agree to incorporate the proposed text changes in document** [**11-25/0773r1**](https://mentor.ieee.org/802.11/dcn/25/11-25-0773-01-00bn-cr-joint-cc50-cids-in-subclause-9-3-1-19-ndpa-frame-format.docx) **into the latest TGbn draft?**

CIDs: 122, 916, 1945, 1946, 1947, 1667, 3630 [7 CIDs]

* + - Discussion: None.

**Result: No objection.**

* Motions: [11-25/0014r20](https://mentor.ieee.org/802.11/dcn/25/11-25-0014-20-00bn-tgbn-motions-list-part-2.pptx)
	+ **Motion 400A (MAC):**

**Move to approve resolutions to the CIDs (76C):**

* + - 202, 277, 439, 714, 742, 780, 781, 830, 832, 880, 901, 994, 1050, 1321, 1322, 1381, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1435, 1436, 1439, 1562, 1599, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1806, 1832, 1867, 1910, 2117, 2118, 2119, 2519, 2674, 3175, 3176, 3177, 3178, 3179, 3180, 3181, 3257, 3258, 3259, 3420, 3445, 3446, 3447, 3448, 3449, 3450, 3582, 3710, 3795, 3854, 3884 ,3885, 3886, 3887, 3888 in [11-25/0600r13](https://mentor.ieee.org/802.11/dcn/25/11-25-0600-13-00bn-pdt-mac-co-rtwt-signaling-and-protocol-aspects.docx). *[76 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Abhishek Patil Second: Rubayet Shafin

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the MAC meeting slot of Tuesday AM2, May 12, 2025.*

* + **Motion 410 (MAC):**

**Move to approve resolutions to the CIDs (76C):**

* + - 185 186 214 477 478 479 856 857 858 879 1044 1387 1426 1427 1483 1484 1488 1489 1490 1778 1805 1816 1846 1847 1858 2378 2379 2380 2381 2382 2383 2384 2385 2386 2545 2548 2622 2644 2645 2646 2966 3151 3250 3315 3354 3355 3356 3435 3436 3944 3966 in [11-25/0627r13](https://mentor.ieee.org/802.11/dcn/25/11-25-0627-13-00bn-cc50-cr-for-p-edca.docx)\* *[51 CIDs]*

**and incorporate the text changes into the latest TGbn draft.**

Move: Dmitry Akhmetov Second: Laurent Cariou

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the MAC ad-hoc slot Wednesday AM2, May 14, 2025. \*SP results: 81Y, 27N, 58A*

* + **Motion 411 (PDT):**

**Move to remove the “TBD” in the “spatial reuse” subfield in UHR-SIG of UHR MU PPDU, U-SIG of UHR TB PPDU, Common Info and Special User Info Field of the trigger frame in the next revision of 11bn draft.**

* + - **Note: Remove the “TBD” means SR subfield will be kept the same as that in EHT.**

Move: Juan Fang Second: Alice Chen

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs:[(DCN#* [*11-25/687r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0687-01-00bn-spatial-reuse-discussion-in-802-11bn.pptx)*):]. SP result: No objection.*

* + **Motion 412 (PDT):**

**Move to add the following paragraph in OBSS PD-based Spatial reuse operation subclause of the next revision of 11bn draft**

* + - A UHR STA follows the rules defined in 35.10.2 (OBSS PD-based spatial reuse operation), except that the condition 5 defined in 26.10.2.2 (General operation with non-SRG OBSS PD level) is updated as follows:
		- The received PPDU is one of the following:
		- For non-EHT PPDU, the SPATIAL\_REUSE subfield (if present) is not set to PSR\_AND\_NON\_SRG\_OBSS\_PD\_PROHIBITED.
		- For other PPDUs, the SPATIAL\_REUSE subfield is present and is not set to PSR\_AND\_NON\_SRG\_OBSS\_PD\_PROHIBITED.

NOTE— As a result, a UHR STA is not allowed to use OBSS PD-based spatial reuse when the received PPDU is a UHR ELR PPDU or a value of PHY Version Identifier field in U-SIG is one of Validate values.

Move: Juan Fang Second: Wook Bong Lee

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs:[(DCN#* [*11-25/687r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0687-01-00bn-spatial-reuse-discussion-in-802-11bn.pptx)*):]. SP result: No objection.*

* + **Motion 413 (PDT):**

**Move to add the following paragraph in 3.1 Definitions subclause of the next revision of 11bn draft:**

* + - non-extremely-high-throughput (non-EHT) physical layer (PHY) protocol data unit (PPDU): [non-EHT PPDU] A PPDU that is transmitted using a PPDU format defined in Clause 15 (DSSS PHY specification for the 2.4 GHz band designated for ISM applications), Clause 16 (High rate direct sequence spread spectrum (HR/DSSS) PHY specification), Clause 17 (Orthogonal frequency division multiplexing (OFDM) PHY specification), Clause 18 (Extended Rate PHY (ERP) specification), Clause 19 (High Throughput (HT) PHY specification(#2297)), Clause 21 (Very high throughput (VHT) PHY specification) or Clause 27 (High Efficiency (HE) PHY specification)

Move: Juan Fang Second: Wook Bong Lee

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs:[(DCN#* [*11-25/687r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0687-01-00bn-spatial-reuse-discussion-in-802-11bn.pptx)*):]. SP result: No objection.*

* + **Motion 414 (SFD):**

**Move to include the following text to the 11bn SFD:**

* + - UHR STA shall set the Spatial Reuse subfield to ‘PSR\_AND\_NON\_SRG\_OBSS\_PD\_PROHIBITED’ in the Co-SR and Co-BF transmission.

Move: Juan Fang Second: Wook Bong Lee

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs: [(*[*11-25/389r2*](https://mentor.ieee.org/802.11/dcn/25/11-25-0389-02-00bn-information-exchange-in-the-cobf-transmission-phase.pptx)*,* [*11-25/687r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0687-01-00bn-spatial-reuse-discussion-in-802-11bn.pptx) *and* [*11-25/842r0*](https://mentor.ieee.org/802.11/dcn/25/11-25-0842-00-00bn-information-exchange-in-the-cobf-transmission-phase-follow-up.pptx)*):]. SP result: No objection.*

* + **Motion 415 (PDT):**

**Move to add the following table at the end of the subclause 38.3.23.4.3: Transmitter constellation error of next revision of 11bn draft**



Move: Juan Fang Second: Dongguk Lim

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs [*[*#721/r3*](https://mentor.ieee.org/802.11/dcn/25/11-25-0721-03-00bn-uhr-transmit-and-receiver-specification-for-new-mcss-follow-up.pptx)*,* [*#726/r0*](https://mentor.ieee.org/802.11/dcn/25/11-25-0726-00-00bn-transmit-and-receive-specifications-for-new-mcs-follow-up.pptx)*]. SP result: No objection.*

* + **Motion 416 (SFD):**

**Move to include the following to the 11bn SFD**

* + - **The PSDU length for receiver minimum input sensitivity and adjacent channel rejection measurement shall be 512 octets for UHR ELR PPDU.**

Move: Juan Fang Second: Dongguk Lim

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs [*[*#721/r3*](https://mentor.ieee.org/802.11/dcn/25/11-25-0721-03-00bn-uhr-transmit-and-receiver-specification-for-new-mcss-follow-up.pptx)*]. SP result: No objection.*

* + **Motion 417 (SFD):**

**Move to include the following to the 11bn SFD**

* + - **Receiver Minimum Input sensitivity for new MCSs are as follows:**



Move: Juan Fang Second: Alice Chen

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs [*[*#721/r3*](https://mentor.ieee.org/802.11/dcn/25/11-25-0721-03-00bn-uhr-transmit-and-receiver-specification-for-new-mcss-follow-up.pptx)*,* [*#726/r0*](https://mentor.ieee.org/802.11/dcn/25/11-25-0726-00-00bn-transmit-and-receive-specifications-for-new-mcs-follow-up.pptx)*]. SP result: No objection.*

* + **Motion 418 (SFD):**

**Move to include the following to the 11bn SFD**

* + - **Minimum required adjacent and nonadjacent channel rejection levels for four new MCSs are as follows:**



Move: Juan Fang Second: Alice Chen

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs [*[*#721/r3*](https://mentor.ieee.org/802.11/dcn/25/11-25-0721-03-00bn-uhr-transmit-and-receiver-specification-for-new-mcss-follow-up.pptx)*,* [*#726/r0*](https://mentor.ieee.org/802.11/dcn/25/11-25-0726-00-00bn-transmit-and-receive-specifications-for-new-mcs-follow-up.pptx)*]. SP result: No objection.*

* + **Motion 419 (SFD):**

**Move to include the following text to the 11bn SFD**

* + - The definition for the transmit constellation error in an UHR TB PPDU using RRU:
		- Transmit Constellation Error requirement of UHR TB PPDU using RRU for MCS0-15 follows the same definition as in EHT.
		- Transmit Constellation Error requirement of UHR TB PPDU using RRU for the new MCSs (QPSK 2/3, 16QAM 2/3, 16QAM 5/6 and 256QAM 2/3) is:



Move: Ying Lin Second: Alice Chen

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs [*[*11-25/843r0*](https://mentor.ieee.org/802.11/dcn/25/11-25-0843-00-00bn-transmit-constellation-error-definition-for-uhr-rru-tb-ppdu.pptx)*]. SP result: No objection.*

* + **Motion 420 (SFD):**

**Move to include the following text to the 11bn SFD**

* + - The unused tone EVM definition and requirement of UHR TB PPDU when all users are scheduled with RRU is the same as in EHT TB PPDU:

Move: Ying Liu Second: Genadiy Tsodik

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs [*[*11-25/843r0*](https://mentor.ieee.org/802.11/dcn/25/11-25-0843-00-00bn-transmit-constellation-error-definition-for-uhr-rru-tb-ppdu.pptx)*]. SP result: No objection.*

* + **Motion 421 (SFD):**

**Move to include the following to the 11bn SFD**

* + - APs exchange the following 2-bit capability fields with values 1, 2, 3, or 4 at the time of group formation between the members of a COBF pair. The capabilities are defined for the AP declared BW and assume Nc=2 (# of columns in the feedback)
		- Field 1 – Total number of OBSS sounding reports that the AP can store for this COBF pair at a given time
		- Field 2 – Total number of OBSS joint sounding reports that the AP can store for this COBF pair at a given time (can’t be higher than number in field 1)

Move: Ron Porat Second: Wook Bong Lee

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs [*[*25/0734r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0734-01-00bn-misc-cbf-topics-part-ii.pptx)*]. SP result: No objection.*

* + **Motion 422 (SFD):**

**Move to include the following to the 11bn SFD**

* + - In the TB PPDU carrying OBSS AP sounding feedback do you support limiting Nss to 1
		- In TB PPDU carrying cross BSS (including joint) sounding feedback for COBF the T\_PE is fixed as 20uS (nominal\_packet\_padding=20uS and aFactor=4) and LDPC extra symbol set as 1
		- AP will set the UL length field and other parameters in the BFRP trigger frame according to this rule

Move: Ron Porat Second: Wook Bong Lee

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs [*[*25/0734r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0734-01-00bn-misc-cbf-topics-part-ii.pptx)*]. SP result: No objection.*

* + **Motion 423 (SFD):**

**Move to include the following to the 11bn SFD**

* + - In COBF, cross-BSS/joint sounding feedback max Nc is limited to 2

Move: Ron Porat Second: Alice Chen

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs [*[*25/0734r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0734-01-00bn-misc-cbf-topics-part-ii.pptx)*]. SP result: No objection.*

* + **Motion 424 (EC):**

**Move to revise the following erroneous DCNs in the approved motions.**

* + - **Motion 376: revise 11-24/0414r0 to 11-25/0414r0.**
		- **Motion 380: revise 11-5/0505r0 to 11-25/0505r0.**

Move: Yusuke Asai Second: Stephen McCann

* + - Discussion: None.

**Approved with unanimous consent.**

* + **Motion 425 (MAC):**

**Move to approve resolutions to the CIDs (33C):**

* + - 2697 in [11-25/0757r8](https://mentor.ieee.org/802.11/dcn/25/11-25-0757-08-00bn-cc50-cr-for-cid-2697-spatial-reuse-for-npca-capable-stas.docx) & 1378 in [11-25/0479r10](https://mentor.ieee.org/802.11/dcn/25/11-25-0479-10-00bn-cr-for-cid-1378.docx) [2 CIDs]
		- Instructions to be executed based on [11-25/479r10](https://mentor.ieee.org/802.11/dcn/25/11-25-0479-10-00bn-cr-for-cid-1378.docx) (not r2)
		- 94, 217, 624, 684, 687, 688, 691, 991, 1048, 1049, 1430, 1526, 1541, 1544, 1700, 1702, 1710, 2458, 2815, 2817, 3170, 3256, 3322, 3327, 3336, 3444, 3604, 3790, 3873, 3874, 3877 in [11-25/0755r11](https://mentor.ieee.org/802.11/dcn/25/11-25-0755-11-00bn-pdt-mac-co-tdma-cr-cc50-part-2.docx) [31 CIDs]

Move: Sanket Kalamkar Second: Salvatore Talarico

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the MAC meeting slot of Thursday AM1, and Joint meeting slot of Thursday AM2, May 15, 2025.*

* + **Motion 426 (PHY-PDT):**

**Move to incorporate into the latest TGbn draft the proposed text changes from the following documents:**

* + - [**11-25/857r1**](https://mentor.ieee.org/802.11/dcn/25/11-25-0857-01-00bn-pdt-phy-plme.docx)**,**

Move: Qisheng Huang Second: Bo Sun

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are proposed draft text documents that obtained ≥ 75% support during the straw poll phase of a PHY ad-hoc slot.*

* + **Motion 427 (Joint):**

**Move to approve resolutions to the CIDs (169C):**

* + - 9, 10, 61, 84, 193, 404, 405, 1065, 1203, 1567, 1568, 1985, 2084, 2340, 2523, 2875, 2876, 2877, 2878, 2879, 2880, 3161, 3270, 3271, 3474, 3631, 3722 in 11-25/442r5 *[27 CIDs]*
		- 16, 113, 283, 557, 558, 1609, 2091, 2344, 2345, 2470, 2905, 2906, 3273, 3643, 3644, 3725 in [11-25/634r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0634-03-00bn-joint-pdt-cr-trigger-frame-format-part-3.docx) [16 CIDs]
		- 73 74 75 76 77 78 79 133 134 135 146 167 168 196 197 198 215 216 285 286 287 412 413 414 773 774 862 863 906 917 918 919 920 921 922 923 961 966 967 968 970 971 972 973 974 975 978 979 980 981 1031 1205 1382 1403 1404 1495 1525 1572 1573 1574 1575 1576 1577 1752 1920 1921 1935 1936 1944 1951 1952 1953 1957 2112 2113 2114 2219 2220 2221 2222 2223 2224 2225 2467 2546 2803 2804 2809 2980 2981 2982 2983 2984 2985 2986 2987 2988 2989 2990 2991 2992 3166 3167 3168 3280 3281 3282 3283 3284 3288 3289 3290 3527 3528 3549 3550 3576 3608 3674 3675 3676 3677 3727 3901 3969 3970 in [11-25/681r10](https://mentor.ieee.org/802.11/dcn/25/11-25-0681-10-00bn-pdt-crs-joint-sounding-procedure.docx) *[126 CIDs]*

Move: Alice Chen Second: You-Wei Chen

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the Joint meeting slot of Thursday AM2, May 15,2025.*

* + **Motion 428 (SFD):**

**Move to add to the TGbn SFD the following:**

* + - **TGbn defines a procedure based on pre-association security negotiation (PASN) or uses PASN with necessary extensions to derive the key(s) needed for the protected version of individually addressed MAPC Negotiation Request frame and MAPC Negotiation Response frame exchanged between two APs as part of MAPC operation**

Move: Jay Yang Second: Bo Sun

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs:[*[*24/1693r3*](https://mentor.ieee.org/802.11/dcn/24/11-24-1693-03-00bn-the-mapc-security-framework.pptx)*,* [*23/1836r3*](https://mentor.ieee.org/802.11/dcn/23/11-23-1836-03-00bn-map-security-consideration.pptx)*,* [*24/1220r2*](https://mentor.ieee.org/802.11/dcn/24/11-24-1220-02-00bn-a-framework-for-coordinated-access-points.pptx)*]. SP result: No objection.*

* + **Motion 429 (SFD):**

**Move to add to the TGbn SFD the following:**

* + - **In Coordinated Spatial Reuse, the following information shall be carried in the Trigger frame that initiates concurrent CSR transmissions:**
		- **The transmit power limit of the shared AP**
		- **The shared AP Tx power limitation indicated by the sharing AP should not be lower than the minimum TX power indicated by the shared AP in its request.**
		- **The transmit power of the sharing AP**

Move: Jason Guo Second: Ross J. Yu

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs:[*[*23/1868r2*](https://mentor.ieee.org/802.11/dcn/23/11-23-1868-02-00bn-coordinated-spatial-reuse-design.pptx)*;* [*24/2060r1*](https://mentor.ieee.org/802.11/dcn/24/11-24-2060-01-00bn-csr-cobf-protocol-design.pptx)*;* [*25/254r0*](https://mentor.ieee.org/802.11/dcn/25/11-25-0254-00-00bn-co-sr-power-control-considerations.pptx)*]. SP result: No objection.*

* + **Motion 430 (Joint):**

**Move to approve resolutions to the CIDs (107C):**

* + - 17, 18, 19, 20, 21, 115, 128, 129, 131, 370, 406, 408, 409, 468, 469, 470, 559, 560, 816, 817, 964, 1037, 1269, 1460, 1461, 1462, 1463, 1464, 1523, 1570, 1571, 1610, 1968, 2346, 2347, 2348, 2665, 2799, 2801, 2907, 2908, 2909, 2912, 2913, 2914, 2915, 2916, 2919, 2920, 2921, 2922, 2924, 2925, 2927, 2928, 2929, 2930, 2931, 3223, 3224, 3225, 3276, 3478, 3479, 3481, 3673, 3837, 3838, 3839, 3840 in [11-25/0635r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0635-02-00bn-joint-pdt-cr-trigger-frame-format-part-4.docx) *[70 CIDs]*
		- 1783 in [11-25/0537r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0537-03-00bn-cc50-cid-1783-discussion-on-npca-minimum-duration-threshold.docx) *[1 CID]*
		- 23, 24, 25, 471, 1270, 1271, 1465, 2579, 2668, 2935, 2936, 2937, 3726, 3756 in [11-25/0637r4](https://mentor.ieee.org/802.11/dcn/25/11-25-0637-04-00bn-joint-pdt-cr-trigger-frame-format-part-6.docx) *[14 CIDs]*
		- 279, 460, 909, 1026, 1785, 2654, 2657, 2841, 3814 in [11-25/646r5](https://mentor.ieee.org/802.11/dcn/25/11-25-0646-05-00bn-cr-for-clause-3-2.docx) *[9 CIDs]*
		- 400, 1458, 1680, 3222, 3957, 2396 in [11-25/0717r5](https://mentor.ieee.org/802.11/dcn/25/11-25-0717-05-00bn-pdt-joint-abbreviations-and-acronyms.docx) *[6 CIDs]*
		- 122, 916, 1945, 1946, 1947, 1667, 3630 in [11-25/0773r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0773-01-00bn-cr-joint-cc50-cids-in-subclause-9-3-1-19-ndpa-frame-format.docx) *[7 CIDs]*

Move: Xiaofei Wang Second: Alice Chen

* + - Discussion: None.

**Approved with unanimous consent.**

*Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the Joint meeting slot of Thursday PM2, May 15,2025.*

* + **Motion 431 (SFD):**

**Move to add to the TGbn SFD the following:**

* + - **Define in 11bn an optional mechanism for L4S support on the AP as below?**
		- **The transmit power limit of the shared AP**
		- **The shared AP Tx power limitation indicated by the sharing AP should not be lower than the minimum TX power indicated by the shared AP in its request.**

**NOTE - The conditions and criteria based on which the MAC layer determines to signal L4S congestion experienced notification to the upper layer is implementation specific and is outside the scope of this specification**

Move: Binita Gupta Second: Lili Hervieu

* + - Discussion: None.

**Approved with unanimous consent.**

*Reference docs: [*[*880r2*](https://mentor.ieee.org/802.11/dcn/25/11-25-0880-02-00bn-pdt-mac-on-l4s.docx)*]. SP result: No objection.*

* + **Motion 432 (CR):**

**Move to approve resolutions to the CIDs:**

* + - 3942, 3943, 2212, 2213, 3575 in [11-25/503r13](https://mentor.ieee.org/802.11/dcn/25/11-25-0503-13-00bn-pdt-mac-dbe.docx) *[5 CIDs]*

Move: Binita Gupta Second: Gaurang Naik

* + - Discussion: None.

**Approved with unanimous consent.**

* + **Motion 433 (SFD):**

**Move to add the following to 11bn SFD**

* + - Use fixed values for the following fields in the CoBF transmission
		- UHR-SIG MCS is fixed to MCS0
		- Spatial Reuse is fixed to ‘PSR\_AND\_NON\_SRG\_OBSS\_PD\_PROHIBITED’
		- LDPC Extra Symbol Segment is fixed to 1
		- PE Disambiguity is fixed to 1

Move: Alice Chen Second: Stephen McCann

* + - Discussion: None.

**Approved with unanimous consent.**

*Supporting doc:* [*11-25/842r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0842-01-00bn-information-exchange-in-the-cobf-transmission-phase-follow-up.pptx)*,* [*11-25/389r2*](https://mentor.ieee.org/802.11/dcn/25/11-25-0389-02-00bn-information-exchange-in-the-cobf-transmission-phase.pptx)*,* [*11-25/399r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0399-01-00bn-cobf-cosr-design-follow-up.pptx)*,* [*11-25/401r0*](https://mentor.ieee.org/802.11/dcn/25/11-25-0401-00-00bn-cobf-phy-design-consideration.pptx)*; SP result: No objection.*

* + **Motion 434 (SFD):**

**Move to add to the TGbn SFD the following:**

* + - **During the COBF sounding phase, cross-BSS NDPA recipient always pre-corrects the frequency of the NDP it transmits in response (pre-correction done based on the NDPA’s frequency estimate), regardless of reference/follower designation**
		- **During the COBF sounding phase, when transmitting the NDPA**
		- Reference AP does not perform pre-correction
		- The follower AP should use a recent frequency pre-correction value for the CFO estimated to the reference AP

Move: Sameer Vermani Second: Eugene Baik

* + - Discussion: None.

**Approved with unanimous consent.**

*Supporting docs:* [*11-25/0836r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0836-01-00bn-follow-up-on-cfo-correction-for-cobf.pptx)*,* [*11-25/0283r1*](https://mentor.ieee.org/802.11/dcn/25/11-25-0283-01-00bn-inter-ap-carrier-synchronization-for-coordinated-beamforming-cobf.pptx)*: SP result: First one was no objection, and second was 45Y, 14N, some Abstains.*

* Timeline: [11-25/0926r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0926-01-00bn-tgbn-timeline.pptx): TGbn Timeline Rubayet Shafin (Samsung Electronics)
	+ Discussion: None.
* CAD: [11-25/0847r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0847-00-00bn-tgbn-coexistence-assessment-document.docx): TGbn Coexistence Assessment Document

Sigurd Schelstraete (MaxLinear)

* + Discussion:

C: The last reference of TGbe CD document is essentially important because the TGbn CD document has a lot of statements from that.

* Motions Part 2: [11-25/0014r20](https://mentor.ieee.org/802.11/dcn/25/11-25-0014-20-00bn-tgbn-motions-list-part-2.pptx)
	+ **Motion (CAD):**

**Approve the P802.11bn Coexistence Assessment document in** [**11-25/0847r1**](https://mentor.ieee.org/802.11/dcn/25/11-25-0847-01-00bn-tgbn-coexistence-assessment-document.docx)**, for inclusion in the TGbn Working Group Technical Letter Ballot**

Move: Abhishek Patil Second: Patil Rakesh Taori

* + - Discussion:

C: About coexistence, 11bn is much different from previous generations. Because non-collocated multiple AP utilizes the channel all together. I am wondering whether it will introduce some interference issue. Is this document called for study or conclusion?

A: As part of the LB, we are going to receive comments also in this document that will address those comments as part of those comments. We can also study and so on.

**~~Preliminary result: 162Y, 58N, 44A (preliminary failed.)~~**

**Result: 158Y, 56N, 41A (failed.)**

* + **WG LB Motion:**

**Instruct the editor to prepare TGbn Draft D1.0**

**Approve a 45 day Working Group Technical Letter Ballot asking the question “Should TGbn Draft 1.0 be forwarded to SA Ballot?”**

**[Moved by <name> on behalf of <group>**

**<group> vote:**

Move: Abhishek Patil Second: Bin Tian

* + - Discussion:

C: I speak in favor of this motion. I do think that industry needs are based on the four years after the 11be. I strongly support people considering this one. **I request a recording vote.**

C: I echo the previous comment. Usually at draft 1.0, we are looking at a PHY spec that we can really refer to and give our implementations confidence to proceed. And between Draft 1.0 and 2.0, it is really fleshing out the bad details. We think we are on the stage right now. We have been the initial PD to put on the server back in last November. So, we have been looking at them for six months. We think it’s time for that one.

**~~Preliminary result: 125Y, 170N, 18A, preliminary failed.~~**

**Result: 122Y, 160N, 18A (failed.)**

* Teleconference/ad-hoc Plan
	+ Teleconferences
		- May 19-23 (Monday-Friday) Holiday
		- May 26 (Monday) – MAC 19:00-21:00 ET
		- May 29 (Thursday) – Joint 10:00-12:00 ET
		- June 02 (Monday) – MAC 19:00-21:00 ET
		- June 05 (Thursday) – MAC 10:00-12:00 ET
		- June 09 (Monday) – MAC 19:00-21:00 ET
		- June 12 (Thursday) – Joint 10:00-12:00 ET
		- June 16 (Monday) – MAC 19:00-21:00 ET
		- June 19 (Thursday) – MAC 10:00-12:00 ET
		- June 23 (Monday) – MAC 19:00-21:00 ET
		- June 26 (Thursday) – Joint\* 10:00-12:00 ET
		- June 30 (Monday) – MAC 19:00-21:00 ET
		- July 03 (Thursday) – MAC 10:00-12:00 ET
		- July 07 (Monday) – MAC 19:00-21:00 ET
		- July 10 (Thursday) – Joint\* 10:00-12:00 ET
		- July 14-18 (Monday-Friday) Holiday

\* TGbn joint session during which there can be motions, subject to WG chair approval and with 10-day advanced notice. PHY ad-hoc session to be announced 10 days in advance.

* + Ad-hoc
		- 2-day PHY/3-day MAC ad-hoc (hybrid mode), San Diego, CA, September 10-12, 2025
* TGbn Timeline and Status
	+ PAR approved July 2023
	+ First TG meeting Nov 2023
	+ D0.1 Jan 2025
	+ D1.0 Letter Ballot ~~May~~July 2025
	+ D2.0 LB May 2026
	+ D3.0 LB Jan 2027
	+ Initial SA ballot (D4.0) May 2027
	+ Final 802.11 WG approval Mar 2028
	+ 802 EC approval Mar 2028
	+ RevCom and SASB approval May 2028
* Goals for July 2025
	+ Continue resolving comments from CC50
	+ Complete inclusion of PDTs to TGbn draft
	+ Target approving delivery of TGbn D1.0
* AoB: None.
* Adjourned at 18:00.

**Appendix**

* The record of the voting result for Motion 400

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name on Webex** | **Yes** | **No** | **Abs** | **Note** |
| [V} Yaron Ben-Arie Huawei | X |  |  |  |
| [V] Henry Yu, Amlogic |  |  | X |  |
| Minyoung Park | X |  |  |  |
| Mohamed Abouelseoud | X |  |  |  |
| Qi Wang | X |  |  |  |
| Yan (ATG) Zhang | X |  |  |  |
| Chitto Ghosh | X |  |  |  |
| [V] Mikhail Liubogoshchev | X |  |  |  |
| Kanke Wu | X |  |  |  |
| Jarkko Kneckt | X |  |  |  |
| Tianyu Wu | X |  |  |  |
| [V] Kiseon Ryu | X |  |  |  |
| [V] Nehru Bhandaru | X |  |  |  |
| Mamun Rashid | X |  |  | INVALID: NOT A VOTER. |
| [V] Javier Perez-Ramirez, Ofinno | X |  |  |  |
| [V] Anton Karamyshev, NRU HSE | X |  |  |  |
| [V] John Juhyung Son, WILUS |  |  | X |  |
| Ethan Zimmer | X |  |  |  |
| Wook Bong Lee | X |  |  |  |
| [V] Junbin Chen, TP-Link | X |  |  |  |
| [V] Thomas Derham | X |  |  |  |
| [V] Rocco Di Taranto, Ericsson |  |  | X |  |
| [V] Clark Carty | X |  |  |  |
| Marcos Martinez |  |  | X |  |
| Yanjun Sun | X |  |  |  |
| Blanca Wong Mosquera | X |  |  |  |
| [V] Shawn(Sanghyun) Kim, WILUS Inc. | X |  |  |  |
| Yong Liu | X |  |  |  |
| [V] Charlie Pettersson, |  |  | X |  |
| [V] Mike Montemurro |  |  | X |  |
| [V] Patrice NEZOU, Canon |  |  | X |  |
| [V] Wen-Di Shen, National Taiwan University | X |  |  |  |
| [V] Yusuke Tanaka | X |  |  |  |
| [V] Jiayi Zhang (Vincent), Ofinno |  |  | X |  |
| [V] Jeongki Kim, Ofinno |  |  | X |  |
| Ugo Campiglio | X |  |  |  |
| [V] Shubhodeep Adhikari Broadcom | X |  |  |  |
| [V] Mor Reich Huawei | X |  |  |  |
| [V] Eda Genc, Nokia | X |  |  |  |
| [V] Gwangho Lee, KNUT | X |  |  |  |
| [V] Renlong Zhou,Sanechips | X |  |  |  |
| [V] Alice Jialing Li Chen | X |  |  |  |
| [V] Duncan Ho | X |  |  |  |
| [V] Wei Lin, Xiaomi |  |  | X |  |
| [V] Arik Klein, Huawei | X |  |  |  |
| Nima Namvar | X |  |  |  |
| [V] Serhat Erkucuk, Ofinno |  |  | X |  |
| [V] Phoebe Shumin Cheng | X |  |  |  |
| [V] Domenico Ficara, Cisco | X |  |  |  |
| [V] VK Jones - Qualcomm Inc | X |  |  |  |
| [V] David Boldy, Broadcom | X |  |  |  |
| [V] Jason Yuchen Guo |  | X |  |  |
| [V] Rui Cao, NXP | X |  |  |  |
| [V] Dan Harkins, HPE |  |  | X |  |
| [V] Sang Kim LGE | X |  |  |  |
| [V] Zisheng Wang, ZTE |  |  | X |  |
| Gaurav Patwardhan |  |  | X |  |
| [V] Hank Hyeonjun Sung, WILUS | X |  |  |  |
| [V] George Cherian | X |  |  |  |
| [V] Noel Stott, Keysight Technologies | X |  |  |  |
| Guogang Huang |  | X |  |  |
| Claudio Dasilva | X |  |  |  |
| [V] Yaoshen Cui, TP-Link | X |  |  |  |
| [V] Joonsoo, Newracom |  |  | X |  |
| Shravan Kalyankar |  | X |  | INVALD: NOT A VOTER. |
| James Yee | X |  |  |  |
| [V] Sigurd Schelstraete |  |  | X |  |
| [V] Jouni Malinen, Qualcomm | X |  |  |  |
| [V] Po-Kai Huang | X |  |  |  |
| [V] Rolf de Vegt | X |  |  |  |
| Carlos Cordeiro | X |  |  |  |
| [V] BIAN Tong, Panasonic | X |  |  |  |
| [V] Hank ChiHan Huang | X |  |  |  |
| [V] Gaius Wee, Panasonic | X |  |  |  |
| [V] Jonathan Segev | X |  |  |  |
| [V] Frank Chien-Fang Hsu, Mediatek | X |  |  |  |
| [V]Shuling (Julia) Feng, Mediatek | X |  |  |  |
| [v] Jay Yang [ZTE] | X |  |  |  |
| [V] Pascal Viger |  |  | X |  |
| [V] HUI CHE, Ruijie |  |  | X |  |
| [V] Yonggang Fang MediaTek | X |  |  |  |
| [V] Rainer Strobel, MaxLinear | X |  |  |  |
| [V] Mark RISON |  | X |  |  |
| Jon Rosdahl IEEE 802 Executive Secretary | X |  |  |  |
| [V]-XIANDONG DONG-Xiaomi |  |  | X |  |
| [V] Lei Wang, Futurewei/Huawei |  |  | X |  |
| [V] Wayne ChengYing Wu, Mediatek | X |  |  |  |
| [V] Laurent Cariou, Intel | X |  |  |  |
| [V] Walaa SAHYOUN - Canon |  |  | X |  |
| [V] Bin Tian | X |  |  |  |
| [V] Rani Keren - Huawei | X |  |  |  |
| [V] You-Wei Chen, Mediatek | X |  |  |  |
| [V] Mahmoud Kamel |  |  | X |  |
| [V] Naveen Kakani | X |  |  |  |
| [V] Rui Yang, InterDigital |  |  | X |  |
| 【nv】Yuanjian Zhang | X |  |  | INVALID: NOT A VOTER. |
| [V] Helene Ralle |  |  | X |  |
| [V]Hanqing Lou, InterDigital |  |  | X |  |
| Chanwoo Allan Kim | X |  |  |  |
| [V] Yurong Qian | X |  |  |  |
| [V] Hui Yang |  | X |  |  |
| Jones Wu (吳明洲) | X |  |  | INVALID: NOT A VOTER. |
| Aditi Singh |  |  | X |  |
| [V] Ming Gan Huawei |  | X |  |  |
| [V] Inaki Val, MaxLinear |  |  | X |  |
| [V] Romain GUIGNARD Canon |  |  | X |  |
| [V] Eugene Baik, Qualcomm | X |  |  |  |
| [V] B Hari Ram | X |  |  |  |
| [V] Li Quan , ZTE | X |  |  |  |
| [V] Zigui Yang, Samsung |  | X |  |  |
| [V] Dignus-Jan Moelker, Broadcom | X |  |  |  |
| [V] Michail Koundourakis |  | X |  |  |
| [V] Yingqiao Quan, Spreadtrum | X |  |  |  |
| [V] Mikael LORGEOUX Canon |  |  | X |  |
| [V] Sungjin Park, Senscomm | X |  |  |  |
| [V] Yue Qi, Samsung Electronics |  | X |  |  |
| [V] Chenchen Liu |  | X |  |  |
| [V] Carol Ansley, Cox |  |  | X |  |
| [V] Cheng-Ming Chen, Qualcomm | X |  |  | INVALID: NOT A VOTER. |
| [V] Seongho Byeon, Samsung Electronics |  | X |  |  |
| [V] Xiaofei Wang, InterDigital |  |  | X |  |
| [V] Rakshith Rajashekar, Broadcom | X |  |  |  |
| [V] Si-Chan Noh, Newracom | X |  |  |  |
| [V] Sherief Helwa, Qualcomm Technologies, Inc | X |  |  |  |
| Sovan Das | X |  |  |  |
| 【nv】QingLiang Shou | X |  |  |  |
| [V] Zhenpeng Shi, Huawei |  | X |  |  |
| [V] Toshizo Nogami | X |  |  |  |
| [V] Ross Jian Yu Huawei |  | X |  |  |
| [V] George Chih-Chun Kuo | X |  |  |  |
| [V]Yunsi Ma, Huawei |  | X |  |  |
| [V] Taeyoung Ha, Samsung Electronics |  | X |  |  |
| [V] Cheng Chen, pureLiFi |  |  | X |  |
| [V] William Carney | X |  |  |  |
| [V] Leonardo Lanante, Ofinno |  |  | X |  |
| [V] Sanket Kalamkar | X |  |  |  |
| [V] Azin Neishaboori, GM |  |  | X |  |
| [V] Bo Li |  | X |  |  |
| Brian Hart | X |  |  |  |
| [V] Yue Zhao |  | X |  |  |
| [V] Dibakar Das, Intel | X |  |  |  |
| 【nv】ZhiGang Zhang | X |  |  | INVALID: NOT A VOTER. |
| Yunbo Li |  | X |  |  |
| [V] Bo Cao, ZTE | X |  |  |  |
| [V] Juan Fang, intel | X |  |  |  |
| [V] Dong Wei |  | X |  |  |
| [V] Yuki FUJIMORI |  |  | X |  |
| [V] Kosuke Aio, Sony | X |  |  |  |
| Wei-Han Chen | X |  |  |  |
| [V] Rishabh Roy, Samsung Electronics |  | X |  |  |
| Evan Sun |  | X |  | INVALID: NOT A VOTER. |
| [V] Massinissa Lalam, Sagemcom |  |  | X |  |
| [V] Dmitry Akhmetov, Intel | X |  |  |  |
| [V] Xuwen Zhao, TCL |  |  | X |  |
| [V] Giovanni Chisci, Qualcomm | X |  |  |  |
| [V] Huizhao Wang, NXP | X |  |  |  |
| [V] Abhishek Patil (Qualcomm Technologies, Inc) | X |  |  |  |
| [V]Ankit Kumar Gupta [NXP] | X |  |  |  |
| [V] Yen-Hsiung Tseng, MediaTek | X |  |  |  |
| [V] Qinghua Li | X |  |  |  |
| [V] Insik Jung, LGE | X |  |  |  |
| [V] Allert van Zelst | X |  |  |  |
| [V] Julien SEVIN | X |  |  |  |
| [V] Dongguk Lim |  |  | X |  |
| [V] Ron Porat, Broadcom | X |  |  |  |
| [V] Timothy Jeffries - Futurewei |  |  | X |  |
| [v] Vishnu Ratnam, Samsung Electronics |  | X |  |  |
| [V] Ying Wang |  |  | X |  |
| [V] Chulho Chung |  | X |  |  |
| [V] JiangWu,itenest | X |  |  |  |
| [V] Bilal Sadiq, Samsung Electronics |  | X |  |  |
| [V] Jungjun Kim, Samsung Electronics |  | X |  |  |
| Jegan Manoharan | X |  |  |  |
| [V] Boqi Jia, huawei |  | X |  |  |
| [V] Rae Haorui Yang, China Mobile | X |  |  |  |
| [V]Qingwei Fu, TP-Link | X |  |  |  |
| [V] Eunsung Jeon, Samsung |  | X |  |  |
| [V] Insun Jang | X |  |  |  |
| [V] Ke Zhong, Ruijie Networks | X |  |  |  |
| [V] Ju Yan Pan, Huawei |  | X |  |  |
| [V] Liquan Yuan , ZTE | X |  |  |  |
| [NV] Chun Huang, ZTE | X |  |  |  |
| [V] Matthew Fischer | X |  |  |  |
| [V] Thomas Handte, Sony | X |  |  |  |
| [V] Riemann Chen, Acer Inc |  |  | X | INVALID: NOT A VOTER. |
| [PV] Jihye Lee, Samsung |  | X |  | INVALID: NOT A VOTER. |
| [V]Yan Li,ZTE | X |  |  |  |
| [V] Pei Zhou, TCL |  |  | X |  |
| [V] Ezer Melzer, Huawei | X |  |  |  |
| [V] Liuming Lu, OPPO | X |  |  |  |
| [V] GeonHwan Kim, LGE | X |  |  |  |
| [V] Mohd. Talha, NXP | X |  |  |  |
| [V] Yelin Yoon, LGE | X |  |  | \* THIS VOTE IS VALID. |
| Osama Aboul-Magd, Huawei |  | X |  |  |
| [V], Yanchao Xu, Amlogic |  |  | X |  |
| [V] Abhishek Chaturvedi, Samsung Electronics |  | X |  |  |
| [V] Ian Bajaj, Huawei |  | X |  |  |
| [V] Mengshi Hu |  | X |  |  |
| [V] Ryuichi Hirata | X |  |  |  |
| [V] Hongwon Lee | X |  |  |  |
| [V] Hao Wang |  |  | X |  |
| [V] Paul Cheng, MediaTek Inc | X |  |  |  |
| [V]Yun Li,ZTE | X |  |  |  |
| [V] Hiroyuki Motozuka | X |  |  |  |
| ZHANJING BAO | X |  |  |  |
| [V] Kazuto Yano | X |  |  |  |
| [V] Shuyu Shi, TP-Link | X |  |  |  |
| Mehdi Ganji |  |  | X |  |
| [V] Oded Redlich, Huawei |  | X |  |  |
| [V] Rubayet Shafin, Samsung Electronics |  | X |  |  |
| [V] Vinko Erceg - Broadcom | X |  |  |  |
| Shivkumar Tadahal | X |  |  |  |
| [V] Dekun Liu （HUAWEI） |  | X |  |  |
| tomo adachi |  | X |  |  |
| [V] Ying Liu, NXP | X |  |  |  |
| Bo Xiao | X |  |  |  |
| [V] Zhiping Jiang, Xidian Univ., China |  | X |  |  |
| [V] Zhongjiang Yan |  | X |  |  |
| [V] Albert Bredewoud, Broadcom | X |  |  |  |
| [V] Shuang Fan, Sanechips | X |  |  |  |
| [v] Vyacheslav Loginov, NRU HSE |  |  | X |  |
| Pooya Monajemi | X |  |  |  |
| Morteza Mehrnoush | X |  |  |  |
| [V] Shimi Shilo | X |  |  |  |
| [V] Dongju Cha, LGE | X |  |  |  |
| [V] Junghoon Suh, Huawei |  | X |  |  |
| [V] Kaikai Huang, Nokia | X |  |  |  |
| [V] Salvatore Talarico | X |  |  |  |
| [V] Aiguo Yan; Samsung |  | X |  |  |
| Xin (Luna) Li |  | X |  |  |
| [V] Dinakar Prabhakaran | X |  |  |  |
| [V] Geert Awater | X |  |  |  |
| [V] Jun Minotani | X |  |  |  |
| [V] Jonghoe Koo, Samsung |  | X |  |  |
| [V]XUMING WU |  | X |  |  |
| [V]HungTao Hsieh, Mediatek | X |  |  |  |
| [V] Ning Gao |  | X |  |  |
| [V] Qinglai Liu |  |  | X |  |
| [V] Jaheon Gu, Samsung Electronics |  | X |  |  |
| (V) Klaus Doppler, Nokia | X |  |  |  |
| [V]Tony Zeng Huawei |  | X |  |  |
| [V] Peshal Nayak, Samsung |  | X |  |  |
| [V] Shuntaro Suzuki, Yamaha |  |  | X |  |
| [V] Mao Yang |  | X |  |  |
| [V] Mahmoud Hasabelnaby, Huawei |  | X |  |  |
| [V] Youhan Kim, Qualcomm Technologies, Inc. | X |  |  |  |
| [V] Kyosuke Inoue, SHARP | X |  |  |  |
| [V] Eunsung Park LGE |  |  | X |  |
| [V] Bo Gong |  | X |  |  |
| [V] Jinho Choi, Samsung Electronics |  | X |  |  |
| [V] Yuki Tsujimaru |  |  | X |  |
| [v] Steven.Qi Wang |  | X |  |  |
| [V] Der-Zheng Liu, Realtek | X |  |  |  |
| [V] Karthik Srinivasa Gopalan, Samsung Electronics |  | X |  |  |
| Yongsen Ma |  | X |  |  |
| [V] Anand Jee, Samsung Electronicsim |  | X |  |  |
| [V] Prabodh Varshney | X |  |  |  |
| [V] Manasi Ekkundi, Samsung Electronics |  | X |  |  |
| [V] Lan Peng Huawei |  | X |  |  |
| [P]Huixuan Zhou, OPPO |  |  | X | INVALID: NOT A VOTER. |
| [V] Dmitry Bankov, NRU HSE | X |  |  |  |
| [V] BO SUN, Sanechips | X |  |  |  |
| [V] Daniel Verenzuela |  |  | X |  |
| [V] Yasser Mourtada, Ofinno |  |  | X |  |
| [V] Woojin Ahn, KNUT |  |  | X |  |
| [V] Yanchun Li, Huawei |  | X |  |  |
| [V] Sameer Vermani | X |  |  |  |
| [V] Jinsoo Choi, LGE | X |  |  |  |
| [V] Venkatesh, Silicon Labs | X |  |  |  |
| [V] Bruce HaoHua Kang, MediaTek Inc. | X |  |  |  |
| [V] Yelin Yoon, LGE | X |  |  | INVALID: VOTED TWICE.(Another vote by this voter is valid. Please refer to the row with “\* THIS VOTE IS VALID.”) |

* The record of the voting result for Motion 407

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name on Webex** | **Yes** | **No** | **Abs.** | **Note** |
| [V} Yaron Ben-Arie Huawei |  |  | X |  |
| Minyoung Park | X |  |  |  |
| Mohamed Abouelseoud | X |  |  |  |
| Qi Wang | X |  |  |  |
| Yan (ATG) Zhang | X |  |  |  |
| Chitto Ghosh | X |  |  |  |
| [V] Mikhail Liubogoshchev | X |  |  |  |
| Kanke Wu | X |  |  |  |
| Jarkko Kneckt | X |  |  |  |
| Tianyu Wu | X |  |  |  |
| [V] Kiseon Ryu | X |  |  |  |
| Mamun Rashid | X |  |  | INVALID: NOT A VOTER. |
| [V] Javier Perez-Ramirez, Ofinno | X |  |  |  |
| [V] Anton Karamyshev, NRU HSE |  |  | X |  |
| [V] John Juhyung Son, WILUS |  |  | X |  |
| Ethan Zimmer | X |  |  |  |
| Wook Bong Lee | X |  |  |  |
| Reza Hedayat | X |  |  |  |
| [V] Junbin Chen, TP-Link | X |  |  |  |
| Binita Gupta | X |  |  |  |
| [V] Thomas Derham | X |  |  |  |
| [V] Rocco Di Taranto, Ericsson |  |  | X |  |
| [V] Clark Carty | X |  |  |  |
| Marcos Martinez |  |  | X |  |
| Yanjun Sun | X |  |  |  |
| Blanca Wong Mosquera | X |  |  |  |
| [V] Shawn(Sanghyun) Kim, WILUS Inc. |  |  | X |  |
| [V] Charlie Pettersson, |  |  | X |  |
| [V] Mike Montemurro |  |  | X |  |
| [V] Patrice NEZOU, Canon |  |  | X |  |
| [V] Wen-Di Shen, National Taiwan University |  | X |  |  |
| [V] Yusuke Tanaka | X |  |  |  |
| [V] Jiayi Zhang (Vincent), Ofinno |  |  | X |  |
| [V] Jeongki Kim, Ofinno |  |  | X |  |
| Ugo Campiglio | X |  |  |  |
| [V] Shubhodeep Adhikari Broadcom | X |  |  |  |
| [V] Mor Reich Huawei |  |  | X |  |
| [V] Eda Genc, Nokia | X |  |  |  |
| [V] Gwangho Lee, KNUT |  |  | X |  |
| [V] Yuki Yoshikawa | X |  |  |  |
| [V] Renlong Zhou,Sanechips |  |  | X |  |
| [V] Alice Jialing Li Chen | X |  |  |  |
| [V] Duncan Ho | X |  |  |  |
| [V] Wei Lin, Xiaomi |  |  | X |  |
| [V]ZhongYi Wang, ZTE |  |  | X |  |
| [V] Arik Klein, Huawei |  |  | X |  |
| Nima Namvar | X |  |  |  |
| [V] Serhat Erkucuk, Ofinno |  |  | X |  |
| [V] David Boldy, Broadcom | X |  |  |  |
| [V] Rui Cao, NXP | X |  |  |  |
| [V] Dan Harkins, HPE |  |  | X |  |
| [V] Sang Kim LGE | X |  |  |  |
| [V] Zisheng Wang, ZTE | X |  |  |  |
| Gaurav Patwardhan |  |  | X |  |
| [V] Hank Hyeonjun Sung, WILUS |  |  | X |  |
| [P] Abdalla Hussein, Huawei |  | X |  | INVALID: NOT A VOTER. |
| [V] George Cherian | X |  |  |  |
| [V] Noel Stott, Keysight Technologies | X |  |  |  |
| Guogang Huang |  | X |  |  |
| Nan Cheng，XiDian University |  | X |  |  |
| [V] Yan Xin, Huawei | X |  |  |  |
| [V]Qisheng Huang, ZTE | X |  |  |  |
| Claudio Dasilva | X |  |  |  |
| [V] Yaoshen Cui, TP-Link | X |  |  |  |
| [V] Joonsoo, Newracom |  |  | X |  |
| Shravan Kalyankar |  | X |  | INVALID: NOT A VOTER. |
| James Yee | X |  |  |  |
| [V] Sigurd Schelstraete |  |  | X |  |
| [V] Jouni Malinen, Qualcomm | X |  |  |  |
| [V] Po-Kai Huang | X |  |  |  |
| [V] Leif Wilhelmsson, Ericsson |  |  | X |  |
| [V] Rolf de Vegt | X |  |  |  |
| [V] Ke Wang, OPPO |  |  | X | INVALID: NOT A VOTER. |
| Carlos Cordeiro | X |  |  |  |
| [V] BIAN Tong, Panasonic |  |  | X |  |
| [V] Hank ChiHan Huang |  |  | X |  |
| [V] Gaius Wee, Panasonic |  |  | X |  |
| [V] Frank Chien-Fang Hsu, Mediatek | X |  |  |  |
| [V]Shuling (Julia) Feng, Mediatek | X |  |  |  |
| [v] Jay Yang [ZTE] |  |  | X |  |
| [V] HUI CHE, Ruijie |  |  | X |  |
| [V] Yonggang Fang MediaTek |  |  | X |  |
| [V] Rainer Strobel, MaxLinear |  |  | X |  |
| [V] Mark RISON |  |  | X |  |
| Jon Rosdahl IEEE 802 Executive Secretary | X |  |  |  |
| [V] Laurent Cariou, Intel | X |  |  |  |
| [V] Bin Tian | X |  |  |  |
| [V] Rani Keren - Huawei |  |  | X |  |
| [V] Mahmoud Kamel |  |  | X |  |
| [V] Naveen Kakani | X |  |  |  |
| [V] Stephen McCann, Huawei |  | X |  |  |
| [V] Rui Yang, InterDigital |  |  | X |  |
| [V] Helene Ralle |  |  | X |  |
| [V]Hanqing Lou, InterDigital |  |  | X |  |
| [V] Yurong Qian |  |  | X |  |
| [V] Hui Yang |  | X |  |  |
| Aditi Singh |  |  | X |  |
| [V] Inaki Val, MaxLinear |  |  | X |  |
| [V] Romain GUIGNARD Canon |  |  | X |  |
| [V] Eugene Baik, Qualcomm | X |  |  |  |
| [V] B Hari Ram | X |  |  |  |
| [V] Li Quan , ZTE |  |  | X |  |
| [V] Zigui Yang, Samsung | X |  |  |  |
| [V] Dignus-Jan Moelker, Broadcom | X |  |  |  |
| [V] Michail Koundourakis |  |  | X |  |
| [V] Yingqiao Quan, Spreadtrum |  |  | X |  |
| [V] Mikael LORGEOUX Canon |  |  | X |  |
| [V] Sungjin Park, Senscomm | X |  |  |  |
| [V] Chenchen Liu |  | X |  |  |
| [V] Carol Ansley, Cox |  |  | X |  |
| [V] Seongho Byeon, Samsung Electronics | X |  |  |  |
| [V] Xiaofei Wang, InterDigital |  |  | X |  |
| [V] Rakshith Rajashekar, Broadcom | X |  |  |  |
| [V] Sherief Helwa, Qualcomm Technologies, Inc | X |  |  |  |
| Sovan Das |  |  | X |  |
| [V] Zhenpeng Shi, Huawei |  |  | X |  |
| [V] Toshizo Nogami | X |  |  |  |
| [V] Ross Jian Yu Huawei | X |  |  |  |
| [V] George Chih-Chun Kuo |  |  | X |  |
| [V]Yunsi Ma, Huawei |  | X |  |  |
| [V] Taeyoung Ha, Samsung Electronics |  |  | X |  |
| [V] Cheng Chen, pureLiFi |  |  | X |  |
| [V] William Carney | X |  |  |  |
| [V] Leonardo Lanante, Ofinno |  | X |  |  |
| [V] Sanket Kalamkar | X |  |  |  |
| [V]Haozheng Li(TP-Link Systems Inc.) | X |  |  |  |
| Brian Hart | X |  |  |  |
| [V] Yue Zhao |  | X |  |  |
| [V] Dibakar Das, Intel | X |  |  |  |
| Yunbo Li |  |  | X |  |
| [V] Bo Cao, ZTE | X |  |  |  |
| [V] Juan Fang, intel | X |  |  |  |
| [V] Dong Wei |  |  | X |  |
| [V] Anton Tretiakov, NRU HSE |  |  | X |  |
| [V] Yuki FUJIMORI |  |  | X |  |
| [V] Kosuke Aio, Sony | X |  |  |  |
| [V] Rishabh Roy, Samsung Electronics |  |  | X |  |
| Evan Sun |  | X |  | INVALID: NOT A VOTER. |
| [V] Massinissa Lalam, Sagemcom |  |  | X |  |
| [V] Dmitry Akhmetov, Intel | X |  |  |  |
| [V] Xuwen Zhao, TCL |  |  | X |  |
| [V] Giovanni Chisci, Qualcomm | X |  |  |  |
| [V] Huizhao Wang, NXP | X |  |  |  |
| [V] Al Petrick, JPA | X |  |  |  |
| [V] Qinghua Li | X |  |  |  |
| [V] Insik Jung, LGE | X |  |  |  |
| [V] Allert van Zelst | X |  |  |  |
| [V] Julien SEVIN | X |  |  |  |
| [V] Ron Porat, Broadcom | X |  |  |  |
| [V] Timothy Jeffries - Futurewei | X |  |  |  |
| [V] Ying Wang |  |  | X |  |
| [V] Chulho Chung |  |  | X |  |
| [V] Bilal Sadiq, Samsung Electronics |  |  | X |  |
| [V] Jungjun Kim, Samsung Electronics |  |  | X |  |
| Jegan Manoharan | X |  |  |  |
| [V] Boqi Jia, huawei |  | X |  |  |
| [V]Renfang Zhou, TP-Link | X |  |  |  |
| [V] Sixian Luo, Sharp |  |  | X |  |
| [V]Qingwei Fu, TP-Link | X |  |  |  |
| [V] Eunsung Jeon, Samsung |  | X |  |  |
| [V] Insun Jang | X |  |  |  |
| [V] Maolin Zhang, Huawei |  | X |  |  |
| [V] Ke Zhong, Ruijie Networks | X |  |  |  |
| [V] Liquan Yuan , ZTE |  |  | X |  |
| [V] Matthew Fischer | X |  |  |  |
| [V] Thomas Handte, Sony |  |  | X |  |
| [V] Riemann Chen, Acer Inc |  |  | X | INVALID: NOT A VOTER. |
| [V] Pei Zhou, TCL |  |  | X |  |
| [V] SunHee Baek, LGE | X |  |  |  |
| [V] Ezer Melzer, Huawei |  |  | X |  |
| [V] Liuming Lu, OPPO |  |  | X |  |
| [V] GeonHwan Kim, LGE | X |  |  |  |
| [V] Yelin Yoon, LGE | X |  |  |  |
| [V] Diego Arlandis, Maxlinear |  |  | X |  |
| Osama Aboul-Magd, Huawei |  | X |  |  |
| [V] Abhishek Chaturvedi, Samsung Electronics |  |  | X |  |
| [V] Mengshi Hu |  |  | X |  |
| [V] Ryuichi Hirata | X |  |  |  |
| [V] Hongwon Lee | X |  |  |  |
| [V] Hao Wang |  | X |  |  |
| [V] Paul Cheng, MediaTek Inc |  |  | X |  |
| [V]Yun Li,ZTE |  |  | X |  |
| ZHANJING BAO |  | X |  |  |
| [V] Kazuto Yano |  |  | X |  |
| [V] Shuyu Shi, TP-Link | X |  |  |  |
| [V] Vinko Erceg - Broadcom | X |  |  |  |
| Shivkumar Tadahal |  |  | X |  |
| tomo adachi |  |  | X |  |
| [V] Zhongjiang Yan | X |  |  |  |
| [V] Albert Bredewoud, Broadcom | X |  |  |  |
| [V] Hang Yang, Ruijie Network |  |  | X |  |
| Morteza Mehrnoush | X |  |  |  |
| [V] Shimi Shilo |  |  | X |  |
| [V] Junghoon Suh, Huawei |  | X |  |  |
| [V] Salvatore Talarico | X |  |  |  |
| [V] Aiguo Yan; Samsung |  |  | X |  |
| Xin (Luna) Li |  | X |  |  |
| [V] Geert Awater | X |  |  |  |
| [V] Jun Minotani |  |  | X |  |
| [V] Ning Gao |  |  | X |  |
| [V] Qinglai Liu | X |  |  |  |
| [V] Jaheon Gu, Samsung Electronics | X |  |  |  |
| (V) Klaus Doppler, Nokia | X |  |  |  |
| [V]Tony Zeng Huawei |  | X |  |  |
| [V] Shuntaro Suzuki, Yamaha |  |  | X |  |
| [V] Mahmoud Hasabelnaby, Huawei |  | X |  |  |
| [V] Youhan Kim, Qualcomm Technologies, Inc. | X |  |  |  |
| [V] Kyosuke Inoue, SHARP |  |  | X |  |
| [V] Eunsung Park LGE | X |  |  |  |
| [V] Jinho Choi, Samsung Electronics | X |  |  |  |
| [V] Yuki Tsujimaru |  |  | X |  |
| [V] Der-Zheng Liu, Realtek |  |  | X |  |
| [V] Karthik Srinivasa Gopalan, Samsung Electronics |  | X |  |  |
| Yongsen Ma |  |  | X |  |
| [V] Anand Jee, Samsung Electronicsim |  | X |  |  |
| [V] Prabodh Varshney | X |  |  |  |
| [V] Manasi Ekkundi, Samsung Electronics | X |  |  |  |
| [P]Huixuan Zhou, OPPO |  |  | X | INVALID: NOT A VOTER. |
| [V] BO SUN, Sanechips | X |  |  |  |
| [V] Yasser Mourtada, Ofinno |  |  | X |  |
| [V] Woojin Ahn, KNUT |  |  | X |  |
| [V] Yanchun Li, Huawei |  | X |  |  |
| [V] Sameer Vermani | X |  |  |  |
| [V] Jinsoo Choi, LGE | X |  |  |  |
| [V]Yu Zhu, TP-Link | X |  |  |  |
| [V] Bruce HaoHua Kang, MediaTek Inc. | X |  |  |  |
| [V] Genadiy Tsodik Huawei |  |  | X |  |
| [V] Mark Hamilton (CommScope/Ruckus) |  | X |  |  |
| [V] Akira Kishida, NTT |  |  | X |  |
| [V] Domenico Ficara, Cisco | X |  |  |  |
| Richard van Nee, Qualcomm [V] | X |  |  |  |
| [V] Pooya Monajemi, Apple | X |  |  |  |
| [V] Jiyang Bai, TCL |  |  | X |  |
| [V] Ali Raissinia, Qualcomm Incorporated | X |  |  |  |
| [V] Zhiping Jiang, Xidian Univ., China |  | X |  |  |
| [V]Ryunosuke Sakamoto, Sharp | X |  |  |  |
| [v] Manish Kumar-NXP | X |  |  |  |
| [V] Ronny Yongho Kim, KNUT |  |  | X |  |
| [V] Yusuke Asai | X |  |  |  |
| [V] Jonghoe Koo, Samsung Electronics |  |  | X |  |
| [V] Steve TS Yang Mediatek | X |  |  |  |
| [V] Hanjin Joh, KT | X |  |  |  |
| [V] VK Jones | X |  |  |  |
| [V] Gaurang Naik, Qualcomm | X |  |  |  |
| [V] Max Riegel, self | X |  |  |  |
| [NV] Jianqiang Chen（ZTE） | X |  |  |  |
| [V] Sindhu Verma, Broadcom | X |  |  |  |
| [GM] Haneya Qureshi |  |  | X |  |
| [V] Xuming Wu |  | X |  |  |
| [V] Ronny Peng | X |  |  |  |
| [V] Ilya Levitsky, NRU HSE |  |  | X |  |
| Lyutianyang Zhang |  | X |  |  |
| Joseph Levy |  |  | X |  |
| [V] Dekun Liu （HUAWEI） |  | X |  |  |

* The record of the straw poll from Sanket ([11-25/0755r11](https://mentor.ieee.org/802.11/dcn/25/11-25-0755-11-00bn-pdt-mac-co-tdma-cr-cc50-part-2.docx))

|  |  |  |  |
| --- | --- | --- | --- |
| Name on Webex | Yes | No | Abs. |
| Minyoung Park | X |  |  |
| Mohamed Abouelseoud | X |  |  |
| Qi Wang | X |  |  |
| Chitto Ghosh | X |  |  |
| [V] Mikhail Liubogoshchev | X |  |  |
| Kanke Wu | X |  |  |
| Jarkko Kneckt | X |  |  |
| Tianyu Wu | X |  |  |
| [V] Kiseon Ryu | X |  |  |
| Anirban Karmakar | X |  |  |
| [V] Javier Perez-Ramirez, Ofinno | X |  |  |
| [V] Anton Karamyshev, NRU HSE |  |  | X |
| [V] John Juhyung Son, WILUS |  |  | X |
| Ethan Zimmer | X |  |  |
| Wook Bong Lee | X |  |  |
| [V] Junbin Chen, TP-Link | X |  |  |
| Binita Gupta | X |  |  |
| [V] Thomas Derham | X |  |  |
| [PV] Mario Costa, Nokia | X |  |  |
| [V] Rocco Di Taranto, Ericsson |  |  | X |
| Yanjun Sun | X |  |  |
| [V] Shawn(Sanghyun) Kim, WILUS Inc. |  |  | X |
| Yong Liu | X |  |  |
| [V] Charlie Pettersson, |  |  | X |
| [V] Mike Montemurro | X |  |  |
| [V] Wen-Di Shen, National Taiwan University |  | X |  |
| [V] Yusuke Tanaka | X |  |  |
| [V] Jiayi Zhang (Vincent), Ofinno | X |  |  |
| [V] Jeongki Kim, Ofinno | X |  |  |
| [V] Shubhodeep Adhikari Broadcom | X |  |  |
| [V] Mor Reich Huawei | X |  |  |
| [V] Eda Genc, Nokia | X |  |  |
| [V] Yuki Yoshikawa | X |  |  |
| [V] Alice Jialing Li Chen | X |  |  |
| [V] Duncan Ho | X |  |  |
| Nima Namvar | X |  |  |
| [V] Serhat Erkucuk, Ofinno | X |  |  |
| [V] Phoebe Shumin Cheng | X |  |  |
| [V] David Boldy, Broadcom | X |  |  |
| [V] Jason Yuchen Guo | X |  |  |
| [V] Dan Harkins, HPE |  | X |  |
| [V] Zisheng Wang, ZTE | X |  |  |
| Gaurav Patwardhan |  |  | X |
| [V] Okan Mutgan, Nokia | X |  |  |
| [V] Hank Hyeonjun Sung, WILUS | X |  |  |
| Samat Shabdanov | X |  |  |
| [V] Chen-Yi Chang, MediaTek | X |  |  |
| [P] Abdalla Hussein, Huawei | X |  |  |
| [V] George Cherian | X |  |  |
| [V] Noel Stott, Keysight Technologies | X |  |  |
| Guogang Huang |  |  | X |
| [V] Yan Xin, Huawei | X |  |  |
| Claudio Dasilva | X |  |  |
| [V] Yaoshen Cui, TP-Link | X |  |  |
| [V] Joonsoo, Newracom |  |  | X |
| Shravan Kalyankar | X |  |  |
| James Yee | X |  |  |
| [V] Sigurd Schelstraete |  | X |  |
| [V] Jouni Malinen, Qualcomm | X |  |  |
| [V] Po-Kai Huang | X |  |  |
| Avner |  | X |  |
| [V] Leif Wilhelmsson, Ericsson |  |  | X |
| [V] Rolf de Vegt | X |  |  |
| [V] Ke Wang, OPPO |  |  | X |
| Carlos Cordeiro | X |  |  |
| [V] BIAN Tong, Panasonic | X |  |  |
| [V] Hank ChiHan Huang | X |  |  |
| [V] Gaius Wee, Panasonic | X |  |  |
| [V] Frank Chien-Fang Hsu, Mediatek | X |  |  |
| [V]Shuling (Julia) Feng, Mediatek | X |  |  |
| [V] Dana Ciochina-Kar Sony | X |  |  |
| [V] Pascal Viger |  |  | X |
| [V] HUI CHE, Ruijie |  | X |  |
| [V] Yonggang Fang MediaTek | X |  |  |
| [V] Rainer Strobel, MaxLinear |  | X |  |
| [V] Mark RISON |  |  | X |
| [NV]Baoyu Sun,Espressif | X |  |  |
| Jon Rosdahl IEEE 802 Executive Secretary | X |  |  |
| [V] Wayne ChengYing Wu, Mediatek | X |  |  |
| [V] Laurent Cariou, Intel | X |  |  |
| [V] Walaa SAHYOUN - Canon |  |  | X |
| [V] Bin Tian | X |  |  |
| [V] Rani Keren - Huawei | X |  |  |
| [V] Naveen Kakani | X |  |  |
| [V] Stephen McCann, Huawei |  | X |  |
| [V] Rui Yang, InterDigital |  | X |  |
| [V] Helene Ralle |  |  | X |
| [V]Hanqing Lou, InterDigital |  | X |  |
| Jones Wu (吳明洲) | X |  |  |
| Aditi Singh |  |  | X |
| [V] Inaki Val, MaxLinear |  | X |  |
| [V] Romain GUIGNARD Canon |  |  | X |
| [V] Eugene Baik, Qualcomm | X |  |  |
| [V] B Hari Ram | X |  |  |
| [V] Dignus-Jan Moelker, Broadcom | X |  |  |
| [V] Michail Koundourakis |  |  | X |
| [V] Yingqiao Quan, Spreadtrum |  |  | X |
| [V] Mikael LORGEOUX Canon |  |  | X |
| [V] Sungjin Park, Senscomm | X |  |  |
| [V] Yue Qi, Samsung Electronics |  |  | X |
| [V] Chenchen Liu | X |  |  |
| [V] Seongho Byeon, Samsung Electronics |  | X |  |
| [V] Xiaofei Wang, InterDigital |  | X |  |
| [V] Si-Chan Noh, Newracom | X |  |  |
| [V] Sherief Helwa, Qualcomm Technologies, Inc | X |  |  |
| [V] Zhenpeng Shi, Huawei | X |  |  |
| [V] Toshizo Nogami | X |  |  |
| [V] Suhwook Kim, Samsung | X |  |  |
| [V] Ross Jian Yu Huawei | X |  |  |
| [V] George Chih-Chun Kuo | X |  |  |
| [V]Yunsi Ma, Huawei | X |  |  |
| [V] Taeyoung Ha, Samsung Electronics |  | X |  |
| [V] Cheng Chen, pureLiFi |  |  | X |
| [V] William Carney | X |  |  |
| [V] Leonardo Lanante, Ofinno | X |  |  |
| [V]Haozheng Li(TP-Link Systems Inc.) | X |  |  |
| Brian Hart | X |  |  |
| [V] Yue Zhao | X |  |  |
| [V] Dibakar Das, Intel | X |  |  |
| [V] Dong Wei |  |  | X |
| [V] Yuki FUJIMORI |  |  | X |
| [V] Kosuke Aio, Sony | X |  |  |
| Wei-Han Chen | X |  |  |
| [V] Rishabh Roy, Samsung Electronics |  |  | X |
| [V] Massinissa Lalam, Sagemcom |  |  | X |
| [V] Dmitry Akhmetov, Intel | X |  |  |
| [V] Xuwen Zhao, TCL | X |  |  |
| [V] Giovanni Chisci, Qualcomm | X |  |  |
| [V] Huizhao Wang, NXP | X |  |  |
| [V] Abhishek Patil (Qualcomm Technologies, Inc) | X |  |  |
| [V]Ankit Kumar Gupta [NXP] | X |  |  |
| [V] Qinghua Li | X |  |  |
| [V] Insik Jung, LGE | X |  |  |
| [V] Allert van Zelst | X |  |  |
| [V] Julien SEVIN | X |  |  |
| [V] Dongguk Lim | X |  |  |
| [V] Timothy Jeffries - Futurewei |  |  | X |
| [v] Vishnu Ratnam, Samsung Electronics | X |  |  |
| [V] Ying Wang |  |  | X |
| [V] Bilal Sadiq, Samsung Electronics |  |  | X |
| [NV] Hao Li, TP-Link | X |  |  |
| [V] Jungjun Kim, Samsung Electronics |  | X |  |
| Jegan Manoharan | X |  |  |
| [V] Boqi Jia, huawei |  | X |  |
| [V] Ankit Sethi NXP |  |  | X |
| [V] Rae Haorui Yang, China Mobile | X |  |  |
| [V]Qingwei Fu, TP-Link |  |  | X |
| [V] Insun Jang | X |  |  |
| [V] Ke Zhong, Ruijie Networks |  |  | X |
| [V] Liquan Yuan , ZTE |  |  | X |
| [V] Thomas Handte, Sony | X |  |  |
| [V] Riemann Chen, Acer Inc |  | X |  |
| [V] Pei Zhou, TCL | X |  |  |
| [V] SunHee Baek, LGE | X |  |  |
| [V] Liuming Lu, OPPO |  |  | X |
| [V] GeonHwan Kim, LGE | X |  |  |
| [V] Yelin Yoon, LGE | X |  |  |
| [V] Diego Arlandis, Maxlinear |  | X |  |
| [V] Abhishek Chaturvedi, Samsung Electronics |  |  | X |
| [V] Mengshi Hu |  |  | X |
| [V] Ryuichi Hirata | X |  |  |
| [V] Hongwon Lee | X |  |  |
| [V] Hao Wang |  |  | X |
| [V] Paul Cheng, MediaTek Inc | X |  |  |
| [V] Hiroyuki Motozuka | X |  |  |
| [V] Kazuto Yano |  |  | X |
| Mehdi Ganji |  |  | X |
| [V] Rubayet Shafin, Samsung Electronics |  |  | X |
| [V] Siaud Isabelle Orange |  |  | X |
| Shivkumar Tadahal |  |  | X |
| tomo adachi |  |  | X |
| [V] Zhongjiang Yan | X |  |  |
| [V] Albert Bredewoud, Broadcom | X |  |  |
| [v] Vyacheslav Loginov, NRU HSE | X |  |  |
| Morteza Mehrnoush | X |  |  |
| [V] Shimi Shilo | X |  |  |
| [V] Dongju Cha, LGE | X |  |  |
| [v] Sean Coffey |  | X |  |
| [V] Junghoon Suh, Huawei |  |  | X |
| [V] Aiguo Yan; Samsung |  |  | X |
| Xin (Luna) Li |  | X |  |
| [V] Dinakar Prabhakaran | X |  |  |
| [V] Geert Awater | X |  |  |
| [V] Jun Minotani |  |  | X |
| [V] Ning Gao |  | X |  |
| [V] Qinglai Liu |  |  | X |
| [V] Jaheon Gu, Samsung Electronics | X |  |  |
| [NV] Alex Lungu, Samsung |  | X |  |
| (V) Klaus Doppler, Nokia | X |  |  |
| [V] Shuntaro Suzuki, Yamaha |  |  | X |
| [V] Youhan Kim, Qualcomm Technologies, Inc. | X |  |  |
| [V] Eunsung Park LGE | X |  |  |
| [V] Yuki Tsujimaru |  |  | X |
| [V] Der-Zheng Liu, Realtek |  |  | X |
| [NV] Ankur Bansal, Samsung |  |  | X |
| [V] Karthik Srinivasa Gopalan, Samsung Electronics | X |  |  |
| Yongsen Ma |  | X |  |
| [V] Prabodh Varshney | X |  |  |
| [V] Manasi Ekkundi, Samsung Electronics |  |  | X |
| [V] BO SUN, Sanechips |  |  | X |
| [V] Daniel Verenzuela |  |  | X |
| [V] Yasser Mourtada, Ofinno | X |  |  |
| [V] Woojin Ahn, KNUT |  |  | X |
| [V] Yanchun Li, Huawei | X |  |  |
| [V] Sameer Vermani | X |  |  |
| [V] Jinsoo Choi, LGE | X |  |  |
| [V]Yu Zhu, TP-Link | X |  |  |
| [V] Bruce HaoHua Kang, MediaTek Inc. | X |  |  |
| [V] Genadiy Tsodik Huawei | X |  |  |
| [V] Akira Kishida, NTT | X |  |  |
| Anuj Batra | X |  |  |
| [V] Mrugen Deshmukh, Ofinno | X |  |  |
| [V] Pooya Monajemi, Apple | X |  |  |
| [V] Jiyang Bai, TCL | X |  |  |
| [V]Ryunosuke Sakamoto, Sharp | X |  |  |
| [V] Ronny Yongho Kim, KNUT |  |  | X |
| [V] Yusuke Asai |  |  | X |
| [V] shukai wang | X |  |  |
| [V] Jonghoe Koo, Samsung Electronics |  |  | X |
| [V] zheng wang | X |  |  |
| [V] Yang yang | X |  |  |
| [V] Steve TS Yang Mediatek | X |  |  |
| [V] VK Jones | X |  |  |
| [V] Gaurang Naik, Qualcomm | X |  |  |
| [V] Max Riegel, self | X |  |  |
| [NV] Jianqiang Chen（ZTE） | X |  |  |
| [V] Sindhu Verma, Broadcom | X |  |  |
| [V] Xuming Wu |  | X |  |
| [V] Ronny Peng | X |  |  |
| [V] Ilya Levitsky, NRU HSE | X |  |  |
| Lyutianyang Zhang |  | X |  |
| Joseph Levy |  | X |  |
| [V] Dekun Liu （HUAWEI） |  | X |  |
| Pelin Salem | X |  |  |
| [V] Ali Raissinia, Qualcomm Incorporated | X |  |  |
| [V] Chenhe Ji | X |  |  |
| Alvin Hsu (徐永平) | X |  |  |
| [V] Atsushi Shirakawa |  |  | X |
| [V] Li-Hsiang Sun, MediaTek | X |  |  |
| [V]Jeongki Kim, Ofinno | X |  |  |
| [V] Ju Yan Pan, Huawei |  |  | X |

* The record of the straw poll from Alice ([11-25/636r4](https://mentor.ieee.org/802.11/dcn/25/11-25-0636-04-00bn-joint-pdt-cr-trigger-frame-format-part-5.docx))

|  |  |  |  |
| --- | --- | --- | --- |
| **Name on Webex** | **Yes** | **No** | **Abs.** |
| [V] Richard van Nee, Qualcomm | X |  |  |
| [V] Charlie Pettersson, |  | X |  |
| [V] Nehru Bhandaru | X |  |  |
| Chitto Ghosh | X |  |  |
| Binita Gupta | X |  |  |
| [V] Dignus-Jan Moelker, Broadcom | X |  |  |
| Yong Liu | X |  |  |
| Mamun Rashid |  |  | X |
| Morteza Mehrnoush | X |  |  |
| Qi Wang | X |  |  |
| [V] Mikhail Liubogoshchev | X |  |  |
| Mohamed Abouelseoud | X |  |  |
| Yan (ATG) Zhang | X |  |  |
| Jarkko Kneckt | X |  |  |
| Minyoung Park | X |  |  |
| Tianyu Wu | X |  |  |
| [V] Shubhodeep Adhikari Broadcom | X |  |  |
| [V] Kerstin Johnsson |  |  | X |
| Federico Lovison | X |  |  |
| [V] Kiseon Ryu | X |  |  |
| [V] Gaius Wee, Panasonic | X |  |  |
| Aditi Singh |  |  | X |
| [V] Jeongki Kim, Ofinno |  |  | X |
| [V] Lin Yang | X |  |  |
| [V] Clark Carty | X |  |  |
| [V] John Juhyung Son, WILUS |  |  | X |
| [V] Shawn(Sanghyun) Kim, WILUS Inc. |  |  | X |
| [V] Javier Perez-Ramirez, Ofinno |  |  | X |
| [V] Wen-Di Shen, National Taiwan University |  | X |  |
| [V] Thomas Derham | X |  |  |
| [V] Jiayi Zhang (Vincent), Ofinno |  |  | X |
| Anuj Batra | X |  |  |
| Nima Namvar | X |  |  |
| Anirban Karmakar | X |  |  |
| Kanke Wu | X |  |  |
| [V] Rolf de Vegt | X |  |  |
| [V] Hui-Ling Lou, NXP | X |  |  |
| [V] Greg White - CableLabs |  |  | X |
| [V] Serhat Erkucuk, Ofinno |  |  | X |
| [V]Yu Zhu, TP-Link | X |  |  |
| Shravan Kalyankar |  | X |  |
| [V], Liwen Chu, NXP | X |  |  |
| Ian Procyk | X |  |  |
| [V] Zhuqing Tang, Huawei |  | X |  |
| [V] Mor Reich Huawei |  | X |  |
| [V] Yue Qi, Samsung Electronics |  | X |  |
| [V] Rani Keren - Huawei |  | X |  |
| [V] Noel Stott, Keysight Technologies | X |  |  |
| [V] Chenhe Ji |  | X |  |
| [V] Renlong Zhou,Sanechips |  |  | X |
| [V] Alice Jialing Li Chen | X |  |  |
| [NV] Hao Li, TP-Link | X |  |  |
| [V] Ying Liu, NXP | X |  |  |
| [V] Rui Cao, NXP | X |  |  |
| Dong Han | X |  |  |
| [V] Toshizo Nogami | X |  |  |
| Gaurav Patwardhan |  |  | X |
| [P] Abdalla Hussein, Huawei |  | X |  |
| [V] Jiyang Bai, TCL |  |  | X |
| [V] Sang Kim LGE |  |  | X |
| Guogang Huang |  | X |  |
| [V] Yuki Yoshikawa |  |  | X |
| [NV] Andrey Barannikov |  | X |  |
| [V] Jack Lee, Samsung Electronics |  | X |  |
| [V] Bo Cao, ZTE |  |  | X |
| [V] BIAN Tong, Panasonic |  |  | X |
| Mark Krischer | X |  |  |
| [V] Tzu-Hsuan Chou | X |  |  |
| [V] Patrice NEZOU, Canon |  |  | X |
| [V] Yaoshen Cui, TP-Link | X |  |  |
| [V] Sigurd Schelstraete |  |  | X |
| [V] Tom Pare, MediaTek | X |  |  |
| [V] Liuming Lu, OPPO |  |  | X |
| [V] Christian Berger, NXP | X |  |  |
| [V] William Li, Spreadtrum | X |  |  |
| James Yee | X |  |  |
| [V] Youhan Kim, Qualcomm Technologies, Inc. | X |  |  |
| [V] Qinglai Liu |  |  | X |
| [V] B Hari Ram | X |  |  |
| [V]Shuling (Julia) Feng, Mediatek | X |  |  |
| [V] Mahmoud Kamel |  | X |  |
| [NV] Alex Lungu, Samsung |  | X |  |
| [V] Wayne ChengYing Wu, Mediatek | X |  |  |
| [V] Timothy Jeffries - Futurewei |  | X |  |
| [V] Chen-Yi Chang, MediaTek | X |  |  |
| [V] Rui Yang, InterDigital |  |  | X |
| [V] Yonggang Fang - MediaTek | X |  |  |
| [V]HungTao Hsieh, Mediatek | X |  |  |
| [V] Ali Raissinia, Qualcomm Incorporated | X |  |  |
| Wook Bong Lee | X |  |  |
| [V] Jason Yuchen Guo |  | X |  |
| [V] David Boldy, Broadcom | X |  |  |
| [pv]QingLiang Shou |  |  | X |
| [V] Romain GUIGNARD Canon |  |  | X |
| [V] Arik Klein, Huawei |  | X |  |
| [V] Julien SEVIN |  |  | X |
| [V] Ning Gao | X |  |  |
| [V] Yelin Yoon, LGE |  |  | X |
| [V] Hank ChiHan Huang | X |  |  |
| [V]Ryunosuke Sakamoto, Sharp | X |  |  |
| [V] Frank Chien-Fang Hsu, Mediatek | X |  |  |
| [V] Bo Gong |  | X |  |
| [V] Fumihide Goto, DENSO | X |  |  |
| [V] Stephen McCann, Huawei |  | X |  |
| [V] Seongho Byeon, Samsung Electronics |  | X |  |
| [V] Bo Li |  | X |  |
| [V] Rainer Strobel, MaxLinear | X |  |  |
| [V] Helene Ralle |  |  | X |
| [V] Allert van Zelst | X |  |  |
| [V] Phoebe Shumin Cheng | X |  |  |
| Anuj Dharap | X |  |  |
| [V] Giovanni Chisci, Qualcomm | X |  |  |
| [V] Laurent Cariou, Intel | X |  |  |
| [V] Inaki Val, MaxLinear |  |  | X |
| [V]Qisheng Huang, ZTE | X |  |  |
| [V] Jonghoe Koo, Samsung Electronics |  | X |  |
| [V] Shimi Shilo |  | X |  |
| [v] Jay Yang [ZTE] |  |  | X |
| Rojan Chitrakar [Huawei] |  | X |  |
| [NV]Baoyu Sun,Espressif | X |  |  |
| [V] Kapil Gulati | X |  |  |
| [V] Hirohiko INOHIZA |  |  | X |
| [V] Pascal Viger |  |  | X |
| [V] Xuwen Zhao, TCL |  |  | X |
| [V] Michail Koundourakis |  | X |  |
| [V]Renfang Zhou, TP-Link | X |  |  |
| [V] Yusuke Asai | X |  |  |
| [NV] Ankur Bansal, Samsung |  | X |  |
| [V] Mikael LORGEOUX Canon |  |  | X |
| [V]Hanqing Lou, InterDigital |  | X |  |
| [V] Sanket Kalamkar | X |  |  |
| [V] Luther Smith,CableLabs | X |  |  |
| [V] Jungjun Kim, Samsung Electronics |  | X |  |
| Jones Wu (吳明洲) | X |  |  |
| [V] Rakshith Rajashekar, Broadcom | X |  |  |
| [V] Suhwook Kim, Samsung |  | X |  |
| [V] Sherief Helwa, Qualcomm Technologies, Inc | X |  |  |
| [V] Boqi Jia, huawei |  | X |  |
| [V] Paul Cheng, MediaTek Inc | X |  |  |
| [V] Ying Wang |  | X |  |
| Xin (Luna) Li |  | X |  |
| [V] Bin Tian | X |  |  |
| [NV] Yusuke Okumoto |  |  | X |
| [V] Oded Redlich, Huawei |  | X |  |
| [V] Anton Tretiakov |  | X |  |
| [V] Dibakar Das, Intel | X |  |  |
| [V] Zhenpeng Shi, Huawei |  | X |  |
| [V] Taeyoung Ha, Samsung Electronics |  | X |  |
| [V] Eunsung Jeon, Samsung |  | X |  |
| [V] You-Wei Chen, Mediatek | X |  |  |
| [V] Dinakar Prabhakaran | X |  |  |
| [V] Jinho Choi, Samsung Electronics |  | X |  |
| [V] Junghoon Suh, Huawei |  | X |  |
| [V] Kazuto Yano |  |  | X |
| [V] Ke Zhong, Ruijie Networks | X |  |  |
| [V] Juan Fang, intel | X |  |  |
| [V] Ron Porat, Broadcom | X |  |  |
| [V] Dana Ciochina-Kar Sony | X |  |  |
| [V] Kosuke Aio, Sony |  |  | X |
| [V] Hongyuan Zhang, NXP | X |  |  |
| [V] Matthew Fischer | X |  |  |
| [V] Abhishek Patil (Qualcomm Technologies, Inc) | X |  |  |
| [V] Li Quan , ZTE |  |  | X |
| [V] Hassan Omar, Huawei |  |  | X |
| [V] Junbin Chen, TP-Link | X |  |  |
| [V] Geert Awater | X |  |  |
| [V] Zigui Yang, Samsung |  | X |  |
| [V] Abhishek Chaturvedi, Samsung Electronics |  | X |  |
| [V] Nelson Costa, HaiLa |  |  | X |
| [V] Akira Kishida, NTT |  |  | X |
| [V] Yingqiao Quan, Spreadtrum |  |  | X |
| [V]Ankit Kumar Gupta [NXP] | X |  |  |
| [V] Srinivas Kandala |  | X |  |
| [V] Hui Yang |  | X |  |
| [V] Boon Loong Ng, Samsung Electronics |  | X |  |
| [V] Mengshi Hu |  | X |  |
| [V] Gary Anwyl, MediaTek | X |  |  |
| [V] Jouni Malinen, Qualcomm | X |  |  |
| [V] Sungjin Park, Senscomm | X |  |  |
| [V] George Cherian | X |  |  |
| [V] Yuki FUJIMORI |  |  | X |
| [V] Hongwon Lee |  |  | X |
| [V] Dongju Cha, LGE |  |  | X |
| [V] Ju Yan Pan, Huawei |  | X |  |
| [V] zheng wang |  |  | X |
| [V] Rishabh Roy, Samsung Electronics |  | X |  |
| (V) Klaus Doppler, Nokia | X |  |  |
| [V] Albert Bredewoud, Broadcom | X |  |  |
| [V]Haozheng Li(TP-Link Systems Inc.) |  |  | X |
| [V] Yan Xin, Huawei |  | X |  |
| [V] Shukai Wang |  |  | X |
| [V] Karthik Srinivasa Gopalan, Samsung Electronics |  | X |  |
| [NV] Kaidong Wang |  | X |  |
| [V] Dongguk Lim |  |  | X |
| [V] Ankit Sethi NXP | X |  |  |
| [V] Insun Jang |  |  | X |
| [V] Eugene Baik, Qualcomm | X |  |  |
| [V] Dong Wei |  |  | X |
| [V] Yen-Hsiung Tseng, MediaTek | X |  |  |
| [V] Diego Arlandis, Maxlinear |  |  | X |
| [v] Vishnu Ratnam, Samsung Electronics |  | X |  |
| [V] Hao Wang |  | X |  |
| Zach Georgiev | X |  |  |
| [V] Panpan Li |  | X |  |
| Rong Zhang | X |  |  |
| [V] Riemann Chen, Acer Inc | X |  |  |
| [V]Shivkumar Tadahal, Broadcom | X |  |  |
| [V] yang Yang |  |  | X |
| Sidharth Thakur, Apple |  |  | X |
| [V] Jaheon Gu, Samsung Electronics |  | X |  |
| [V] Hiroyuki Motozuka |  |  | X |
| [V]Yunsi Ma, Huawei |  | X |  |
| [V] SunHee Baek, LGE |  |  | X |
| [V] Manasi Ekkundi, Samsung Electronics |  | X |  |
| [V] Rubayet Shafin, Samsung Electronics |  | X |  |
| [V]Qingwei Fu, TP-Link | X |  |  |
| [V] Jinsoo Choi, LGE |  |  | X |
| Osama Aboul-Magd, Huawei |  | X |  |
| [V] Peshal Nayak, Samsung |  | X |  |
| [V] Pei Zhou, TCL |  |  | X |
| [V] Duncan Ho | X |  |  |
| [V] Yue Zhao |  | X |  |
| [NV] Rakesh Balaji, Synaptics Inc |  | X |  |
| [V] Maolin Zhang, Huawei |  | X |  |
| [V]Yunpeng YANG,TP-link |  | X |  |
| [V]XUMING WU |  | X |  |
| [V] Kaikai Huang, Nokia |  |  | X |
| Yunbo Li |  | X |  |
| [V] Dmitry Akhmetov, Intel | X |  |  |
| [V] Shuntaro Suzuki, Yamaha |  |  | X |
| tomo adachi | X |  |  |
| [V] GeonHwan Kim, LGE |  |  | X |
| [V] Zhongjiang Yan |  | X |  |
| [V] Rae Haorui Yang, China Mobile |  |  | X |
| [V] Ryuichi Hirata |  |  | X |
| [V] Ezer Melzer, Huawei |  | X |  |
| [V] Massinissa Lalam, Sagemcom |  |  | X |
| [V] Siaud Isabelle Orange |  | X |  |
| [V] Salvatore Talarico |  |  | X |
| [V] Prabodh Varshney | X |  |  |
| [V] Mao Yang |  | X |  |
| Alvin Hsu | X |  |  |
| [V] Anand Jee, Samsung Electronicsim |  | X |  |
| [V]HanGyu Cho\_LGE |  |  | X |
| Yaron Ben-Arie Huawei |  | X |  |
| [V] Ian Bajaj, Huawei |  | X |  |
| [NV] Jianqiang Chen（ZTE） | X |  |  |
| [V] Jun Minotani |  |  | X |
| [V] Yasser Mourtada, Ofinno |  |  | X |
| [V] Priyanka Bansal | X |  |  |
| [V] Kyosuke Inoue, SHARP |  |  | X |
| [V] Naveen Kakani | X |  |  |
| [V] Volker Jungnickel, Fraunhofer HHI | X |  |  |
| [v] Steven.Qi Wang |  | X |  |
| [V] Atsushi Shirakawa |  |  | X |
| [V] Yuki Tsujimaru | X |  |  |
| [V] Lan Peng Huawei |  | X |  |
| Yongsen Ma |  | X |  |
| [V] Mohd. Talha, NXP | X |  |  |
| [V] Mahmoud Hasabelnaby, Huawei |  | X |  |
| [v] Vyacheslav Loginov, NRU HSE |  | X |  |
| Lyutianyang Zhang |  | X |  |
| [V] Bruce HaoHua Kang, MediaTek Inc. | X |  |  |
| [V] Vinko Erceg - Broadcom | X |  |  |
| [V] Ross Jian Yu Huawei |  | X |  |
| [V] Sachin Pottigari, NXP | X |  |  |
| [V]Tony Zeng Huawei |  | X |  |
| [V] Hank Hyeonjun Sung, WILUS | X |  |  |
| [V] William Carney | X |  |  |
| Evan Sun |  | X |  |
| [V] Jerome Henry, Cisco | X |  |  |
| [V] Bin Qian, Huawei |  | X |  |
| [V] Abhishek Mantha, Broadcom |  |  | X |
| [V] Gaurang Naik, Qualcomm Technologies, Inc. | X |  |  |
| [V] Lei Wang, Futurewei/Huawei |  |  | X |
| [V] Lili Hervieu |  |  | X |
| [V] Ming Gan Huawei |  | X |  |
| [V] M. Kumail Haider | X |  |  |
| [V] George Chih-Chun Kuo | X |  |  |
| [V] Genadiy Tsodik Huawei |  | X |  |
| Pooria Pakrooh | X |  |  |
| [V] Ilya Levitsky, NRU HSE |  | X |  |
| [V] Bilal Sadiq, Samsung Electronics |  | X |  |
| [V] Wilson Tsao, Mediatek | X |  |  |
| Daniel Borges | X |  |  |
| [V] Meriam Rezk, Qualcomm Technologies | X |  |  |
| [V] Dmitry Bankov, NRU HSE |  | X |  |
| Reza Hedayat | X |  |  |
| Ishaque Kadampot, Qualcomm | X |  |  |
| [NV] Osamu Nakamura |  |  | X |
| [V] Ronny Yang-Hung Peng, Mediatek | X |  |  |
| [V] Fangxin Xu, Longsailing Semiconductor |  | X |  |
| [A] Matthew Chappell, Cox Communications |  |  | X |
| [V] Sindhu Verma, Broadcom | X |  |  |
| [V] Zisheng Wang, ZTE | X |  |  |
| Chao-Chun wang | X |  |  |
| [V] Shuang Fan, Sanechips | X |  |  |
| [V] Min Yan |  | X |  |
| Yanjun Sun | X |  |  |
| [V] Zhenguo Du |  | X |  |
| Anonymous |  | X |  |
| Anonymous |  | X |  |
| Anonymous |  |  | X |