IEEE P802.11  
Wireless LANs

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| TGbn January 2025 to March 2025 Teleconferences Minutes | | | | |
| Date: 2025-03-08 | | | | |
| Author(s): | | | | |
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|  |  |  |  |  |

Abstract

This document contains the minutes for TGbn January 2025 to March 2025 teleconferences.

Revision history:

* Rev0: First version of the document.

Abbreviations:

* C: Comment.
* A: Answer.

# 1st Conf. Call: February 6th, Thursday (10:00-12:00 ET)

* Split MAC and PHY teleconferences.
  + MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0192-00-00bn-tgbn-mac-ad-hoc-minutes-feb-2025.doc>
  + PHY: (Cancelled)

# 2nd Conf. Call: February 10th, Monday (19:00-21:00 ET)

* Split MAC and PHY teleconferences.
  + MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0192-00-00bn-tgbn-mac-ad-hoc-minutes-feb-2025.doc>
  + PHY: (Cancelled)

# 3rd Conf. Call: February 13th, Thursday (10:00-12:00 ET)

* Split MAC and PHY teleconferences.
  + MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0192-00-00bn-tgbn-mac-ad-hoc-minutes-feb-2025.doc>
  + PHY: (Cancelled)

# 4th Conf. Call: February 20th, Thursday (10:00-12:00 ET)

* Split MAC and PHY teleconferences.
  + MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0192-00-00bn-tgbn-mac-ad-hoc-minutes-feb-2025.doc>
  + PHY: <https://mentor.ieee.org/802.11/dcn/25/11-25-0253-00-00bn-minutes-802-11bn-phy-ad-hoc-jan-march-cc.docx>

# 5th Conf. Call: February 24th, Monday (19:00-21:00 ET)

* Split MAC and PHY teleconferences.
  + MAC: <https://mentor.ieee.org/802.11/dcn/25/11-25-0192-00-00bn-tgbn-mac-ad-hoc-minutes-feb-2025.doc>
  + PHY: (Cancelled)

# 6th Conf. Call: February 27th, Thursday (10:00-12:00 ET) - Joint

* Call the meeting to order
* 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](mailto: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.**

* + 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.
  + Patent, Participation, Copyright and policy related subclause: Please refer to the agenda document([11-25/0207r9](https://mentor.ieee.org/802.11/dcn/25/11-25-0207-09-00bn-jan-mar-tgbn-teleconference-agenda.docx)).

**Copyright Policy was presented.**

* 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:  
      Yusuke Asai ([yusuke.asai@ntt.com](mailto:yusuke.asai@ntt.com)) & Alfred Asterjadhi ([aasterja@qti.qualcomm.com](mailto:aasterja@qti.qualcomm.com))
  + Please ensure that the following information is listed correctly when joining the call:
  + "[voter status] First Name Last Name (Affiliation)"
* Agenda
  + Chair reviews proposed agenda found in [11-25/0207r9](https://mentor.ieee.org/802.11/dcn/25/11-25-0207-09-00bn-jan-mar-tgbn-teleconference-agenda.docx).
  + Discussion: None.
  + The agenda approved with unanimous consent.
* Announcements
  + Deadline to submit comments to TGbn D0.1 is tomorrow Friday, 28 February 2025 at 23:59 ET (11:59pm).  
    <https://www.ieee802.org/11/LetterBallots/CC50bn/CC50_instructions.html>
* POC Updates:
  + [11-24/1698r16](https://mentor.ieee.org/802.11/dcn/24/11-24-1698-16-00bn-tgbn-d0-1-spec-text-volunteers-and-status.docx): TGbn D0.1 Spec Text Volunteers and Status

Ross J. Yu (Huawei Technologies)

* + - Some POCs/TTTs of the SFD topics were discussed and revised.
    - Some PDT motions were confirmed.
    - The revised status and volunteers for the PDTs was captured in the new document ([11-25/0272r1](https://mentor.ieee.org/802.11/dcn/25/11-25-0272-01-00bn-tgbn-spec-text-volunteers-and-status.docx)).
* PDT Submission: None.
* Straw Polls:
  + [11-25/0206r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0206-03-00bn-pdt-on-uhr-scs-procedure.docx): PDT on UHR SCS procedure Dibakar Das (Intel)

(The presentation was postponed due to absence of the presenter.)

* Motions: No motions scheduled.
* Technical Submissions-CBF + Sounding:
  + [11-24/1694r4](https://mentor.ieee.org/802.11/dcn/24/11-24-1694-04-00bn-the-trust-model-between-sta-and-obss-ap-in-mapc-scheme.pptx): The trust model between STA and OBSS AP in MAPC scheme

Jay Yang (ZTE)

C: I am favor of the general direction, but regarding group key, is it the best approach? There is one key shared by two access points and updated sometimes. I don’t know if it is easy to track the updating of that key and this group key should be updated sometimes. I think STAs and responding APs may use a separate key rather than a group key.

A: It is only work on cross BSS, sequential sounding procedure. In the joint sounding sequence, both APs need to decode the CSI frames.

C: (Po-Kai) I don’t agree with the first conclusion saying that 11bi. There are 11be features that are optional and there are a lot of implementation issues. I am not entirely sure people will really do that. Second, we want to extend it to cross BSS but all these mechanisms need to be seen through to see if there is issue. I suggest we should be more careful.

A: It is an optional feature, but once you apply that feature, we need to consider how to address the coexistence issue. This is my intention. I don’t say you must use this mechanism, but once you use it, you need to consider how to coexist with higher management.

C: I understand, but you have to consider the implementation consideration. This needs hardware changes. I think you want to add more layer, but I’m not sure this is necessary.

Even if we introduce this and people cannot implement that, you still have a problem and you still cannot resolve. There could be another solution.

A: I see.

C: In the slide 13, I think the CSI is transmitted to its associated AP. Is there any overhearing issue?

A: This sequence is from the passed motion. I do not change at all. If the STA1 transmits its CSI to the AP1, the AP2 needs to overhear the CSI. That is how it works.

C: It would be good for the whole group to step back and decide what essentially requirements were addressing.

I think if we went back and make sure what we are addressing, what we are trying to protect, then we could make a look better progress towards developing a solution. My comment is that I don’t think you can have a single GTK. You need a GTK per AP, but let’s go back and figure out what the requirements are and then make sure we are addressing them.

A: OK.

* + [11-25/0006r2](https://mentor.ieee.org/802.11/dcn/25/11-25-0006-01-00bn-sounding-procedure-follow-up.pptx): Sounding procedure follow up Jay Yang (ZTE)

C: In the slide 9, the general direction looks reasonable. Although you are showing that this is protected until the end of the NDP, do you till allow the option to protect the whole duration? Because you SP is saying that you protect until at least the end of NDP.

A: Yes. I’m thinking only protected the NDP is enough.

C: I think that is one possible mode. In case there is a hidden node that could interfere with a CSI report, I think the number of protections could be helpful. In the slide 10, you mentioned it is double protection, but the first real protection is the second one.

A: Yes, right.

C: Is this available already? If someone just did RTS/CTS, do we need anything beyond that? Is there any extra content beyond that?

A: RTS/CST is the one approach. It also belongs to ICF or ICR. This is very general framework.

C: The root of my question is: Do we need a straw poll that permitted already?

C: I guess what the commenter is saying is that today the TXOP protection mechanism that we have in place allow protecting any type of sequence including the sounding itself. So, what would we need as the extra function?

A: If it’s RTS/CTS, maybe it is not needed. But if we use other mechanism, it needs to be defined.

* + [11-25/0081r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0081-00-00bn-sounding-pdt-related-issues.pptx): Sounding PDT related issues You-Wei Chen (MediaTek)

C: In the slide 4, does the Co-BF beamformer mean the initial AP or the responding AP?

A: In this case, it will be initiating AP. In the retransmission part, we should not use the BFRP to request the retransmission. And if we have some confusion on the beamformer definition, we can clarify that data.

C: In the across BFRP sounding phases, the responder may receive the CSI feedback. But the initial AP doesn’t know this case.

A: Currently, the BFRP will be sent by the initial AP. We follow the EHT sounding that the initial AP will not use the BFRP to request retransmission.

C: Does the repeating sounding sequence mean all sequence, including the EHT sounding and cross BSS sounding, two phases?

A: I will think about it. But basically, the initially AP can decide like how it will do the sounding processing if it fails. But you are right, probably the text showing here may not be clear enough.

C: Why do you insist on using the full bandwidth feedback? As the CBF is doing by the subcarrier level, I think emphasize on the full bandwidth is not very essential here to explain that for me. There is an efficient way that only focus on the bandwidth ways the interference like the overlapping bandwidth.

A: In current discussion the CBF will only use the bandwidth. There will overlay the entire PPDU bandwidth. There is no like partial bandwidth CBF.

* Technical Submissions – DSO + Roaming Part 1:
  + [11-24/1847r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1847-00-00bn-icf-icr-frame-exchange-on-dynamic-sub-band-operation.pptx): ICF/ICR frame exchange on DSO Sung Hank (WILUS)

(Q&A only)

C: This is important issue. Regarding the SP1, you want to use detection of the PHY preamble to identify whether it is received correctly or not. My understanding is RU allocation can be smaller than 20 MHz and PHY preamble part is basically duplicated by the multiple stations whose RU allocations overlap with the same 20 MHz. So, just receiving the PHY preamble of 20 MHz doesn’t tell you which of those stations is responding. So, you would have to add a restriction that RU allocation to these DSO stations should be larger than, let’s say 242 tones.

A: Your comment is correct, but my intention is for the RUs smaller than 242.

* + [11-24/1863r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1863-00-00bn-performance-benefits-of-dso.pptx): Performance Benefits of DSO Kerstin Johnsson (Nokia)

(The presentation was skipped due to the absence of the presenter.)

* + [11-24/1851r2](https://mentor.ieee.org/802.11/dcn/24/11-24-1851-02-00bn-context-transfer-per-tid-for-seamless-roaming.pptx): Context transfer per TID for seamless roaming Thomas Handte (Sony)

C: In the slide 4, basically, the goal of seamless roaming, we have two phases defined in the PDT in D0.1, one is the roaming preparation and then roaming execution. The goal is to essentially transfer most of the static context in the roaming preparation phase and then do minimal transfer in the execution phase. We minimize the issue where the uplink data is paused, downlink data is still flowing. That is the basic direction which has been agreed now. When we transfer the data, we want to do all in one exchange. We want to be doing multiple over the DS. The DS mapping update would basically happen all at once. It is not per TID. So, your DS mapping changes for all the TIDS, so once your TID mapping is changed to target AP all the data for the no -AP-MLDs is lowing to the target AP. From that point of view, I don’t think doing this per TID exchange really helps.

A: The point is the DS mapping. It is clear that this for all TIDs and this is the reason why we have this essentially this data forwarding and so at no point in time there is a DS mapping to multiple APs. If the dynamic context is large, it may make sense to split it in multiple TIDs and have the data forwarding as suggested, but of course like if the dynamic context is let’s say like just a few numbers...

For the differentiation of the roaming preparation phase and the execution phase, we have no agreement with dynamic context. But if there is a lot of dynamic contexts, this scheme can make a difference to split it in multiple TIDs have the data forwarding as suggested.

C: We are not defining how the context is transferred over the DS. We are defining what context needs to get transferred but it is up to the implementation how the context gets transferred. We should just focus on over the seamless roaming aspects.

C: Are you thinking of transferring, requesting for the context transfer for each TID or it just happens subsequently?

A: I think the source AP can decide which TID and based on the requests from other than source AP.

C: After the source AP choosing which TID to transfer first, it has to it goes through multiple signaling or it lust tells what TIDs to send first and then it just happens one after one after another.

A: It happens one after another. I mean it depends on which point in time, for example, during a TXOP, how good the link quality to the source AP still is. It may not have more at the same time but maybe split over multiple TXOPs.

* Straw Polls:
  + [11-25/0206r3](https://mentor.ieee.org/802.11/dcn/25/11-25-0206-03-00bn-pdt-on-uhr-scs-procedure.docx): PDT on UHR SCS procedure Dibakar Das (Intel)

(This straw poll was conducted due to the appearance of the presenter.)

C: I sent the revised version of the text by the e-mail.

A: I will check it.

C: Based on this text, the AP cannot disable feature, just to this intention that once AP enabled this, it cannot disable this feature. I say sometimes if you don’t want to enable this one.

A: If you accept the request, then it is going to be enabled.

C: Will this be an operation parameter?

A: It is one of the parameters in that request.

C: But it may not be good because the solution will keep requesting this.

A: I mean that is the same as the regular SCS request. An STA can always request stuff and keep rejecting for different reasons to this anyway. I add the reason that because currently but then it will be when it will kind of retransmit.

(The presenter uploaded the revised submission ([11-25/0206r4](https://mentor.ieee.org/802.11/dcn/25/11-25-0206-04-00bn-pdt-on-uhr-scs-procedure.docx)).)

**SP:**

Do you agree to incorporate the proposed changes in [11-25/0206r4](https://mentor.ieee.org/802.11/dcn/25/11-25-0206-04-00bn-pdt-on-uhr-scs-procedure.docx) to the latest TGbn draft?

**Result: No objection.**

* + [11-24/1857r3](https://mentor.ieee.org/802.11/dcn/24/11-24-1857-03-00bn-enhancements-for-roaming-process.pptx): Enhancements for Roaming Process Tuncer Baykas (Ofinno)

C: In the side 9, I think you are showing preparation and execution. I think it is good direction to reserve resources for the SCS flows during the roaming preparation. We think that should be done in the roaming preparation and I think you have another proposal where you think it should be in the roaming execution, but that is too kind of late. The station has already decided to roam to the target.

A: I agree with the preparation will give more time and not necessary like you don’t need to make the link ready, etc.

* + AoB: None.
  + Adjourned at 11:58.

**Appendix**

* Attendee List for the 7th Conf. Call:

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbn | 02/27/2025 | Fang, Juan | Intel Corporation |
| TGbn | 02/27/2025 | Li, Jialing | Qualcomm Technologies, Inc |
| TGbn | 02/27/2025 | Fan, Shuang | Sanechips Technology Co., Ltd. |
| TGbn | 02/27/2025 | Erkucuk, Serhat | Ofinno |
| TGbn | 02/27/2025 | Ekkundi, Manasi | SAMSUNG ELECTRONICS |
| TGbn | 02/27/2025 | Li, Weiyi | Spreadtrum Communication USA, Inc |
| TGbn | 02/27/2025 | Li, Yanchun | Huawei Technologies Co., Ltd |
| TGbn | 02/27/2025 | Doppler, Klaus | Nokia |
| TGbn | 02/27/2025 | Li, Yapu | Guangdong OPPO Mobile Telecommunications Corp.... |
| TGbn | 02/27/2025 | Lim, Dong Guk | LG ELECTRONICS |
| TGbn | 02/27/2025 | Dong, Xiandong | Xiaomi Communications Co., Ltd. |
| TGbn | 02/27/2025 | LIU, QINGLAI | Panasonic Holdings Corporation |
| TGbn | 02/27/2025 | Liubogoshchev, Mikhail | Nokia |
| TGbn | 02/27/2025 | Lorgeoux, Mikael | Canon Research Centre France |
| TGbn | 02/27/2025 | LEE, JOONSOO | Newracom Inc. |
| TGbn | 02/27/2025 | Zhou, Renlong | Sanechips Technology Co., Ltd. |
| TGbn | 02/27/2025 | Dezfouli, Behnam | Nokia |
| TGbn | 02/27/2025 | Lu, Liuming | Guangdong OPPO Mobile Telecommunications Corp.... |
| TGbn | 02/27/2025 | LU, Yuxin | TCL Industries |
| TGbn | 02/27/2025 | Luo, Chaoming | Beijing OPPO telecommunications corp., ltd. |
| TGbn | 02/27/2025 | Ma, Yongsen | SAMSUNG ELECTRONICS |
| TGbn | 02/27/2025 | Manoharan, Jegan | Cisco Systems, Inc. |
| TGbn | 02/27/2025 | Deshmukh, Mrugen | InterDigital |
| TGbn | 02/27/2025 | Motozuka, Hiroyuki | Panasonic Holdings Corporation |
| TGbn | 02/27/2025 | Mutgan, Okan | Nokia |
| TGbn | 02/27/2025 | Cui, Yaoshen | TP-Link Systems Inc. |
| TGbn | 02/27/2025 | Namvar, Nima | Charter Communications |
| TGbn | 02/27/2025 | Chu, Liwen | NXP Semiconductors |
| TGbn | 02/27/2025 | Nayak, Peshal | Samsung Research America |
| TGbn | 02/27/2025 | Choi, Jinsoo | LG ELECTRONICS |
| TGbn | 02/27/2025 | Lovison, Federico | Cisco Systems, Inc. |
| TGbn | 02/27/2025 | Neishaboori, Azin | General Motors Company |
| TGbn | 02/27/2025 | Fang, Yonggang | MediaTek Inc. |
| TGbn | 02/27/2025 | Lee, Hong Won | LG ELECTRONICS |
| TGbn | 02/27/2025 | Fujimori, Yuki | Canon Research Centre France |
| TGbn | 02/27/2025 | Genc, Eda | Nokia |
| TGbn | 02/27/2025 | Ghosh, Chittabrata | Apple Inc. |
| TGbn | 02/27/2025 | Gu, Jaheon | Samsung Electronics Co., Ltd. |
| TGbn | 02/27/2025 | Gu, Xiangxin | Spreadtrum Communications (Shanghai) Co., Ltd. |
| TGbn | 02/27/2025 | Gupta, Binita | Cisco Systems, Inc. |
| TGbn | 02/27/2025 | Ha, Taeyoung | Samsung Electronics Co., Ltd. |
| TGbn | 02/27/2025 | Halna du Fretay, Tristan | Canon Research Centre France |
| TGbn | 02/27/2025 | Handte, Thomas | Sony Group Corporation |
| TGbn | 02/27/2025 | Hart, Brian | Cisco Systems, Inc. |
| TGbn | 02/27/2025 | Hasabelnaby, Mahmoud | Huawei Technologies |
| TGbn | 02/27/2025 | Hedayat, Ahmadreza | Apple Inc. |
| TGbn | 02/27/2025 | Hervieu, Lili | CableLabs |
| TGbn | 02/27/2025 | HUANG, CHIHAN | MediaTek Inc. |
| TGbn | 02/27/2025 | feng, Shuling | MediaTek Inc. |
| TGbn | 02/27/2025 | Huang, Po-Kai | Intel Corporation |
| TGbn | 02/27/2025 | Hussein, Abdalla | Huawei Technologies |
| TGbn | 02/27/2025 | Jang, Insun | LG ELECTRONICS |
| TGbn | 02/27/2025 | Jee, Anand | SAMSUNG ELECTRONICS |
| TGbn | 02/27/2025 | Kakani, Naveen | Qualcomm Technologies, Inc |
| TGbn | 02/27/2025 | Kalamkar, Sanket | Qualcomm Technologies, Inc |
| TGbn | 02/27/2025 | Kamel, Mahmoud | Interdigital Inc. |
| TGbn | 02/27/2025 | Kandala, Srinivas | Samsung |
| TGbn | 02/27/2025 | Kang, HaoHua | MediaTek Inc. |
| TGbn | 02/27/2025 | Kim, Sang Gook | LG ELECTRONICS |
| TGbn | 02/27/2025 | Kim, Sanghyun | WILUS Inc. |
| TGbn | 02/27/2025 | Kishida, Akira | NTT |
| TGbn | 02/27/2025 | Klein, Arik | Huawei Technologies Co., Ltd |
| TGbn | 02/27/2025 | Koo, Jonghoe | SAMSUNG ELECTRONICS |
| TGbn | 02/27/2025 | Kuo, Chih-Chun | MediaTek Inc. |
| TGbn | 02/27/2025 | Huang, Qisheng | ZTE Corporation |
| TGbn | 02/27/2025 | Fu, Qingwei | TP-Link Systems Inc. |
| TGbn | 02/27/2025 | New, Wee Kiat | Huawei International Pte Ltd |
| TGbn | 02/27/2025 | Chen, Xu | Xiaomi Communications Co., Ltd. |
| TGbn | 02/27/2025 | Sung, Hyeonjun | WILUS Inc. |
| TGbn | 02/27/2025 | Talarico, Salvatore | Nokia Technologies |
| TGbn | 02/27/2025 | Tanaka, Yusuke | Sony Corporation |
| TGbn | 02/27/2025 | Taori, Rakesh | Infineon Technologies |
| TGbn | 02/27/2025 | Tsodik, Genadiy | Huawei Technologies Co., Ltd |
| TGbn | 02/27/2025 | Urabe, Yoshio | Panasonic Holdings Corporation |
| TGbn | 02/27/2025 | Val, Inaki | MaxLinear, Inc. |
| TGbn | 02/27/2025 | Varshney, Prabodh | Nokia |
| TGbn | 02/27/2025 | Wang, Qi | Apple Inc |
| TGbn | 02/27/2025 | Wang, Xiaofei | InterDigital, Inc. |
| TGbn | 02/27/2025 | Wang, Ying | InterDigital, Inc. |
| TGbn | 02/27/2025 | Wee, Gaius | Panasonic Holdings Corporation |
| TGbn | 02/27/2025 | Wei, Dong | Guangdong OPPO Mobile Telecommunications Corp... |
| TGbn | 02/27/2025 | Wullert, John | Peraton Labs |
| TGbn | 02/27/2025 | Sun, Bo | Sanechips Technology Co., Ltd. |
| TGbn | 02/27/2025 | Xia, Qing | Sony Corporation |
| TGbn | 02/27/2025 | Xu, Yanchao | Amlogic |
| TGbn | 02/27/2025 | Yan, Aiguo | SAMSUNG ELECTRONICS |
| TGbn | 02/27/2025 | Yan, Zhongjiang | Northwestern Polytechnical University |
| TGbn | 02/27/2025 | Yang, Haorui | China Mobile |
| TGbn | 02/27/2025 | Yang, Jay | ZTE Corporation |
| TGbn | 02/27/2025 | Yano, Kazuto | Advanced Telecommunications Research Institute... |
| TGbn | 02/27/2025 | Yee, James | MediaTek Inc. |
| TGbn | 02/27/2025 | Yoon, Yelin | LG ELECTRONICS |
| TGbn | 02/27/2025 | Zhang, Jiayi | Ofinno |
| TGbn | 02/27/2025 | Zhao, Xuwen | TCL |
| TGbn | 02/27/2025 | Zhong, Ke | Ruijie Networks Co.,Ltd. |
| TGbn | 02/27/2025 | Zhou, Huixuan | Guangdong OPPO Mobile Telecommunications Corp.... |
| TGbn | 02/27/2025 | Zhou, Lei | H3C Technologies Co., Limited |
| TGbn | 02/27/2025 | Zhou, Pei | TCL |
| TGbn | 02/27/2025 | Xiao, Tong | Xiaomi Communications Co., Ltd. |
| TGbn | 02/27/2025 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbn | 02/27/2025 | SUH, JUNG HOON | Huawei Technologies Canada; Huawei Technologie... |
| TGbn | 02/27/2025 | Silverman, Matt | Cisco Systems, Inc. |
| TGbn | 02/27/2025 | Nezou, Patrice | Canon Research Centre France |
| TGbn | 02/27/2025 | Chen, Junbin | TP-Link Systems Inc. |
| TGbn | 02/27/2025 | Noh, Si-Chan | Newracom Inc. |
| TGbn | 02/27/2025 | Norouzi, Sara | Huawei Technologies Canada; Huawei Technologie... |
| TGbn | 02/27/2025 | Che, Hui | Ruijie Networks Co., Ltd |
| TGbn | 02/27/2025 | Park, Minyoung | Apple Inc. |
| TGbn | 02/27/2025 | Patil, Abhishek | Qualcomm Incorporated |
| TGbn | 02/27/2025 | Chaturvedi, Abhishek | Samsung Electronics |
| TGbn | 02/27/2025 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| TGbn | 02/27/2025 | Carney, William | Sony Group Corporation |
| TGbn | 02/27/2025 | Perez, Javier | Ofinno |
| TGbn | 02/27/2025 | Quan, Yingqiao | Spreadtrum Communications (Shanghai) Co., Ltd.... |
| TGbn | 02/27/2025 | Canpolat, Necati | Intel |
| TGbn | 02/27/2025 | Ratnam, Vishnu | Samsung Research America |
| TGbn | 02/27/2025 | Strobel, Rainer | Maxlinear |
| TGbn | 02/27/2025 | Byeon, Seongho | SAMSUNG ELECTRONICS |
| TGbn | 02/27/2025 | Baykas, Tuncer | Ofinno |
| TGbn | 02/27/2025 | baron, stephane | Canon Research Centre France |
| TGbn | 02/27/2025 | Rodriguez, Stephen | Cisco Systems, Inc. |
| TGbn | 02/27/2025 | Roy, Rishabh | SAMSUNG ELECTRONICS |
| TGbn | 02/27/2025 | Bansal, Ankur | SAMSUNG ELECTRONICS |
| TGbn | 02/27/2025 | Shabdanov, Samat | Mediatek |
| TGbn | 02/27/2025 | Bai, Jiyang | TCL |
| TGbn | 02/27/2025 | Shafin, Rubayet | Samsung Electronics |
| TGbn | 02/27/2025 | shi, shuyu | TP-Link Systems Inc. |
| TGbn | 02/27/2025 | Shi, Zhenpeng | Huawei Technologies Co., Ltd |
| TGbn | 02/27/2025 | Asai, Yusuke | NTT |
| TGbn | 02/27/2025 | Shilo, Shimi | Huawei Technologies Co., Ltd |
| TGbn | 02/27/2025 | Aio, Kosuke | Sony Corporation |
| TGbn | 02/27/2025 | Shirakawa, Atsushi | SHARP CORPORATION |
| TGbn | 02/27/2025 | RISON, MarkSamsung | Cambridge Solution Centre |
| TGbn | 02/27/2025 | Fischer, Matthew | Broadcom Corporation |
| TGbn | 02/27/2025 | Asterjadhi, Alfred | Qualcomm Technologies, Inc. |