IEEE P802.11  
Wireless LANs

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| July TGbn PHY Ad-Hoc meeting minutes | | | | |
| Date: 25 July 2025 | | | | |
| Author(s): | | | | |
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Abstract

This document contains the meeting minutes for the TGbn PHY ad hoc session held in Espoo, Finland:

* Wednesday AM1, 7/23/2025
* Wednesday AM2, 7/23/2025
* Wednesday PM1, 7/23/2025
* Wednesday PM2, 7/23/2025
* Thursday AM1, 7/24/2025
* Thursday AM2, 7/24/2025
* Thursday PM1, 7/24/2025
* Thursday PM2, 7/24/2025
* Friday AM1, 7/25/2025
* Friday AM2, 7/25/2025

## Session 1: Wednesday 7/23/2025, 9:00-10:30

**Introduction**

1. The Chair (Dongguk Lim, LGE) calls the meeting to order at 9:00am.
2. The Chair follows the agenda in 11-25/**1048r2**.
3. The Chair reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple), Sigurd Schelstraete (MaxLinear) or the Chair himself if unable to record attendance via IMAT system.
4. The Chair goes through the IPR policy and asks if anyone is aware of any potentially essential patents. **Nobody speaks up.**
5. The Chair goes through the Copyright policy.
6. Agenda

**CR/PDT SPs:**

* + [25/0702](https://mentor.ieee.org/802.11/dcn/25/11-25-0702-00-00bn-cr-phy-cid-3905.docx) CR-PHY-CID 3905 Ron Porat [1C]

**CR/PDT Submissions:**

* + [25/0775](https://mentor.ieee.org/802.11/dcn/25/11-25-0775-02-00bn-crs-on-new-mcss-for-subclause-38-5.docx) CRs on New MCSs for Subclause 38.5 Shengquan Hu [24C]
  + [25/0892](https://mentor.ieee.org/802.11/dcn/25/11-25-0892-00-00bn-pdt-phy-elr-cr-322.docx) PDT PHY ELR CR 322 Rethna Pulikkoonattu [1C]
  + 25/1084 CR for 38.3.5 (Interference Mitigation) Shimi Shilo [3C]
  + [25/1120](https://mentor.ieee.org/802.11/dcn/25/11-25-1120-00-00bn-cc50-cr-on-cid-1627-and-1633.docx) CC50 CR on CID 1627 and 1633 Ross Jian Yu [2C]
  + 25/1166 CC50 CR for misc CIDs in 38.5 Rui Cao [2C]
  + [25/1136](https://mentor.ieee.org/802.11/dcn/25/11-25-1136-00-00bn-cc50-cr-for-remaining-12-phy-cids.docx) CC50 CR for Remaining 12 PHY CIDs Mengshi Hu [12C]
  + 25/1194 Resolutions for Remaining CIDs on DRUs Jianhan Liu [??C]

**Technical Submissions:**

* + [25/0739](https://mentor.ieee.org/802.11/dcn/25/11-25-0739-00-00bn-on-interference-mitigation-pilots.pptx) On Interference Mitigation Pilots Jiqing Ni
  + [25/0805](https://mentor.ieee.org/802.11/dcn/25/11-25-0805-00-00bn-ldpc-new-matrix-r-1-2.pptx) LDPC new matrix R=1/2 Isabelle Siaud
  + [25/0808](https://mentor.ieee.org/802.11/dcn/25/11-25-0808-00-00bn-discussion-on-design-of-interference-mitigation-pilots-follow-up.pptx) Discussion on Design of Interference Mitigation Pilots – Follow up Ke Zhong
  + [25/0985](https://mentor.ieee.org/802.11/dcn/25/11-25-0985-02-00bn-a-novel-approach-to-reduce-the-size-of-the-beamforming-feedback-report-in-wi-fi-networks.pptx) A Novel Approach to Reduce the Size of the Beamforming Feedback Report in Wi-Fi Networks Sawaira Ali
  + 25/1190 Misc PHY topics Ron Porat

**CR/PDT SPs:**

**25/0702 CR-PHY-CID 3905 (Ron Porat)**

* SP already motioned

**CR/PDT Submissions:**

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

SP3: Do you agree to accept the proposed resolution of the following 24CIDs as proposed in document 25/0775r2?

* CIDs: 82, 208, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 458, 550, 1101, 1592, 2558, 3314

Results: No objection.

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

Some discussion on wording of the proposed text.

SP 1 – Do you agree to accept the proposed resolution of the following 1CID as proposed in document 25/0892r2?

* CID: 322

Results: No objection.

**25/1084 CR for 38.3.5 (Interference Mitigation) (Shimi Shilo)**

Not ready yet – deferred

**25/1120 CC50 CR on CID 1627 and 1633 (Ross Jian Yu)**

SP2 : Do you agree to accept the proposed resolution of the following 2CIDs as proposed in document 25/1120r0?

* CIDs: 1627 and 1633

Results: No objection.

**25/1166 CC50 CR for misc CIDs in 38.5 (Rui Cao)**

SP4: Do you agree to accept the proposed resolution of the following 4CIDs as proposed in document 25/1166r2?

* CIDs: 360, 1204, 2339, 1497

Results: No objection.

**25/1136 CC50 CR for Remaining 12 PHY CIDs (Mengshi Hu)**

Defer 47, 334

To be continued in AM2 session

**Recess**

The meeting is recessed at 10:30

## Session 2: Wednesday 7/23/2025, 10:45-12:15

**Introduction**

1. The Chair (Dongguk Lim, LGE) calls the meeting to order at 10:45am
2. The Chair follows the agenda in 11-25/**1048r2**.
3. The Chair reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple), Sigurd Schelstraete (MaxLinear) or the Chair himself if unable to record attendance via IMAT system.
4. The Chair goes through the IPR policy and asks if anyone is aware of any potentially essential patents. **Nobody speaks up.**
5. The Chair goes through the Copyright policy.
6. Agenda

**Straw Polls:**

**SP1 (Qisheng):**

Do you agree to include overlapping bandwidth sounding in 11bn?

* + The relevant indications and frame exachanges are TBD.

**SP2 (Qisheng):**

Do you agree to include overlapping bandwidth sounding in 11bn?

* + The overlapping bandwidth could be negotiated through exchange of invite/response frames before the transmission of UHR NDPA.
  + The sounding bandwidth announced by UHR NDPA might be less than the operating bandwidth of the UHR beamformee.

**CR/PDT Submissions:**

* + [25/1136](https://mentor.ieee.org/802.11/dcn/25/11-25-1136-00-00bn-cc50-cr-for-remaining-12-phy-cids.docx) CC50 CR for Remaining 12 PHY CIDs Mengshi Hu [12C]
  + 25/1194 Resolutions for Remaining CIDs on DRUs Jianhan Liu [??C]

**Technical Submissions:**

* + 25/1190 Misc PHY topics Ron Porat
  + [25/0739](https://mentor.ieee.org/802.11/dcn/25/11-25-0739-00-00bn-on-interference-mitigation-pilots.pptx) On Interference Mitigation Pilots Jiqing Ni
  + [25/0805](https://mentor.ieee.org/802.11/dcn/25/11-25-0805-00-00bn-ldpc-new-matrix-r-1-2.pptx) LDPC new matrix R=1/2 Isabelle Siaud
  + [25/0808](https://mentor.ieee.org/802.11/dcn/25/11-25-0808-00-00bn-discussion-on-design-of-interference-mitigation-pilots-follow-up.pptx) Discussion on Design of Interference Mitigation Pilots – Follow up Ke Zhong
  + [25/0985](https://mentor.ieee.org/802.11/dcn/25/11-25-0985-02-00bn-a-novel-approach-to-reduce-the-size-of-the-beamforming-feedback-report-in-wi-fi-networks.pptx) A Novel Approach to Reduce the Size of the Beamforming Feedback Report in Wi-Fi Networks Sawaira Ali

**Straw Polls**

SP1 (Qisheng) – DCN 1024 and 248

Do you agree to include overlapping bandwidth sounding in 11bn?

• The relevant indications and frame exchanges are TBD.

Discussion:

Q: what does overlapping BW mean? Can be done with EHT sounding without any change.

A: overlapping is described in the reference documents. No changes required for non-AP STA.

Q: if no changes are needed, do we need to SP?

A: some changes in response

Q: this is for SP2, not SP1

SP1 withdrawn

SP2 (Qisheng):

Do you agree to include overlapping bandwidth sounding in 11bn?

• The overlapping bandwidth could be negotiated through exchange of invite/response frames before the transmission of UHR NDPA.

• The sounding bandwidth announced by UHR NDPA might be less than the operating bandwidth of the UHR beamformee.

Discussion

Q: need to check the topic. Prefer to defer.

Q: can we have recap of the overlapping sounding?

A: presentation is assigned to later PHY meeting

SP2 deferred

**CR/PDT Submissions**

**25/1136 CC50 CR for Remaining 12 PHY CIDs (Mengshi Hu) - continued**

New version contains alternative resolution for 47 and 334.

CIDs 2349 and 2351 withdrawn and to be reconsidered in next comment collection.

SP5: Do you agree to accept the proposed resolution of the following 12CIDs as proposed in document 25/1136r1?

* CIDs: 941, 35, 440, 1955, 330, 1207, 47, 334, 335, 2349, 2351, 2035

Results: No objection.

**25/1194 Resolutions for Remaining CIDs on DRUs (Jianhan Liu)**

SP6: Do you agree to accept the proposed resolution of the following 4CIDs as proposed in document 25/1194r1?

* CIDs: 1330, 2553, 2255, 2256.

Results: No objection.

**Technical Submissions:**

**25/1190 Misc PHY topics (Ron Porat)**

SP1:

Do you agree to include the following into the 11bn SFD:

The number of LTF is limited to the set {2,4,8} for any MU PPDU carrying MU-MIMO in at least one RU or MRU

No objection

SP2:

Do you agree to include the following into the 11bn SFD:

“LDPC Extra Symbol Segment is fixed to 1” for all CoSR modes transmissions that use LDPC

No objection

SP3:

Do you agree to modify the text in D0.3 (page 312) as follows (changes highlighted in yellow):

* For a ~~UHR MU~~ PPDU with ~~the~~ a Co-BF or any mode of Co-SR transmission, the nominal packet padding value shall be equal to 20 μs, and the pre-FEC padding factor α shall be equal to 4. This leads to a fixed TPE value equal to 20 μs.

Discussion

Should we refer to specific text in D0.3 instead of SFD?

Refer to page 312. 🡪 See R1

Some editorial fixing of the text

No objection

**25/0739 On Interference Mitigation Pilots (Jiqing Ni)**

Almost equally distributed IM Pilots pattern with around 1-2 MHz density, is preferred no matter what the BW is.

IM pilots could be configured perSTA within OFDMA system. Zero-energy pilot (null pilot) are proposed.

Discussion

Q: tend to agree with density proposal. Tend to agree that there is benefit to zero energy.

Q: thought IM was agreed for SU?

A: does SU mean non-OFDMA or SU RU within OFDMA?

Q: non-OFDMA SU

No SPs

**Recess**

The meeting is recessed at 12:15.

## Session 3: Wednesday 7/23/2025, 13:30-15:30

**Introduction**

1. The Chair (Dongguk Lim, LGE) calls the meeting to order at 13:30
2. The Chair follows the agenda in 11-25/**1048r2**.
3. The Chair reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple), Sigurd Schelstraete (MaxLinear) or the Chair himself if unable to record attendance via IMAT system.
4. The Chair goes through the IPR policy and asks if anyone is aware of any potentially essential patents. **Nobody speaks up.**
5. The Chair goes through the Copyright policy.
6. Agenda

**Technical Submissions:**

* + [25/0805](https://mentor.ieee.org/802.11/dcn/25/11-25-0805-00-00bn-ldpc-new-matrix-r-1-2.pptx) LDPC new matrix R=1/2 Isabelle Siaud
  + [25/0808](https://mentor.ieee.org/802.11/dcn/25/11-25-0808-00-00bn-discussion-on-design-of-interference-mitigation-pilots-follow-up.pptx) Discussion on Design of Interference Mitigation Pilots – Follow up Ke Zhong
  + [25/0985](https://mentor.ieee.org/802.11/dcn/25/11-25-0985-02-00bn-a-novel-approach-to-reduce-the-size-of-the-beamforming-feedback-report-in-wi-fi-networks.pptx) A Novel Approach to Reduce the Size of the Beamforming Feedback Report in Wi-Fi Networks
  + [25/0704](https://mentor.ieee.org/802.11/dcn/25/11-25-0704-00-00bn-simultaneous-cobf-ack-transmission.pptx) Simultaneous CoBF ACK Transmission Genadiy Tsodik
  + 25/1129 On determination of CoBF MAP Sync-reference and Sync-follower roles Shuling Feng
  + 25/1185 CSI Process In Joint Sounding Junghoon Suh
  + 25/1186 CBF Scheduled Users in the CBF Trigger Frame Junghoon Suh
  + 25/1191 COBF Misc You-Wei Chen
  + 25/1178 Information Exchange for CoSR transmissions Sameer Vermani
  + 25/1182 Negotiation on LTF Number for Co-SR Ross Jian Yu
  + 25/1183 Tx Power Control Clarifications for Co-SR Ross Jian Yu
  + 25/1192 COSR Information Exchange You-Wei Chen

**Technical Submissions**

**25/0805 LDPC new matrix R=1/2 (Isabelle Siaud)**

Ensure a more consistent number of row and column connections within the parity matrix, especially to reduce the number of iterations at the decoder side.

New matrices are proposed for CW size 3888.

Discussion

Q: Why does the gain disappear for higher modulation?

A: for low code rate there is more gain. The results are similar for different modulation levels.

Q: Current matrix has structure to allow parallel processing. Does the new matrix allow for this?

A: does not change the decoding process. Only one decoder is assumed.

Q: current code has a structure to allow reuse at encoder and decoder. This will be lost with the new proposed structure.

A: can provide more feedback on structure later.

Q: interested in PER performance, rather than CW performance. Also need to see results in fading channels.

Q: have concern about the loss of the structure of the code.

Q: what would the gains be at a PER of 10%?

SPs deferred

**25/0808 Discussion on Design of Interference Mitigation Pilots – Follow up (Ke Zhong)**

Follow-up contribution on previous work.

It is proposed that IM pilot tones be used in both non-OFDMA and OFDMA.

Discussion

Q: IM pilots are on top of CFO pilots?

A: yes

Q: one problem with non-zero pilots is that estimation is complicated in presence of CFO.

SPs deferred

**25/0985 A Novel Approach to Reduce the Size of the Beamforming Feedback Report in Wi-Fi Networks (Salim Yahya)**

Not present - deferred

**25/1129 On determination of CoBF MAP Sync-reference and Sync-follower roles (Shuling Feng)**

Dynamic vs. determined at group formation.

This contribution proposes semi-static roles. Determined at group formation but can be changed using regrouping procedure.

Discussion

Q: How is STA affected it AP roles are dynamic or semi-static?

A: some STAs may perform CF tracking. If AP roles change, the carrier frequency may change, which can cause unexpected behavior.

SP1:

**Do you support to insert the following PDT at Page 319 Line 54 in 11bn D0.3?**

A Co-BF AP shall be capable of being a sync-reference or a sync-follower. Co-BF APs’ sync-reference and sync-follower roles are determined when a Co-BF MAPC agreement is established using procedures described in Clause 37.13.1.3.2 (MAPC agreement establishment). The sync-reference and sync-follower roles can be changed when a Co-BF MAPC agreement is updated using procedure described in Clause 37.13.1.3.3 (MAPC agreement update).

No objection

**25/1185 CSI Process In Joint Sounding (Junghoon Suh)**

Channel gain of in-BSS and OBSS may be very different. This near-far effect can be avoided in new joint sounding format. Results are verified through simulation.

Discussion

Q: did not see the issue in testing. Don’t quite understand the issue.

Q: AGC should be considered in the simulations.

**25/1186 CBF Scheduled Users in the CBF Trigger Frame (Junghoon Suh)**

STAs included in invite frame should be listed in the sync frame as well to avoid issues.

SP1:

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

The user information in the Sync frame and in the UHR-SIG of CoBF DL PPDU corresponds to all the users that were listed, in the Invite as well as the Response frames

* Nss for each user in the Invite/Response frame and the corresponding number of spatial streams for the same user interpreted from the spatial configuration in the Sync frame is consistent, i.e., the spatial stream allocation does not change.
* The MCS and 2xLDPC bits for each user in the Sync frame should be consistent with these in the Response frame

Reference doc. 25/1186r0, 25/1191r0

No objection

**25/1191 COBF Misc (You-Wei Chen)**

SP1:

**Do you agree to include the following text in the most updated 11bn draft in 37.12.3 (Rules for UHR Co-BF sounding protocol sequences) page 128 line 4 in D0.3?**

In a UHR Co-BF sounding sequence, the Starting Spatial Streams field in the UHR NDP Announcement shall be set to 0 in a UHR Co-BF sequential NDP sounding sequence and set to 1 in a UHR Co-BF joint NDP sounding sequence.

No objection

**25/1178 Information Exchange for CoSR transmissions (Sameer Vermani)**

Analyzes the types of information that need to be exchanged at different times during the CoSR operation.

To be continued in PM2

**Recess**

The meeting is recessed at 15:30.

## Session 4: Wednesday 7/23/2025, 16:00-18:00

**Introduction**

1. The Chair (Dongguk Lim, LGE) calls the meeting to order at 16:00
2. The Chair follows the agenda in 11-25/**1048r2**.
3. The Chair reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple), Sigurd Schelstraete (MaxLinear) or the Chair himself if unable to record attendance via IMAT system.
4. The Chair goes through the IPR policy and asks if anyone is aware of any potentially essential patents. **Nobody speaks up.**
5. The Chair goes through the Copyright policy.
6. Agenda

**Technical Submissions:**

* + 25/1178 Information Exchange for CoSR transmissions Sameer Vermani
  + 25/1182 Negotiation on LTF Number for Co-SR Ross Jian Yu
  + 25/1183 Tx Power Control Clarifications for Co-SR Ross Jian Yu
  + 25/1192 COSR Information Exchange You-Wei Chen
  + [25/0849](https://mentor.ieee.org/802.11/dcn/25/11-25-0849-00-00bn-cid-368-guard-interval-for-dru.pptx) CID 368: Guard Interval for DRU Sigurd Schelstraete
  + [25/1001](https://mentor.ieee.org/802.11/dcn/25/11-25-1001-02-00bn-adaptive-power-boosting-design-for-dru.pptx) Adaptive power boosting design for dRU Sawaira Ali
  + 25/1176 Unused Tone EVM for DRU Lin Yang
  + 25/1180 DRU Transmit Modulation Accuracy Requirement Yan Zhang
  + 25/1195 EVM Definition for UHR DRU TB PPDU followup Rui Cao
  + 25/1174 Consideration on the scrambler initialization value for DS-CTS Chenchen Liu
  + 25/1175 Scrambling Seed Design for DS-CTS Lin Yang
  + 25/1181 Scrambler seed used in DS-CTS frame Hari Ram Balakrishnan

**Technical Submissions**

**25/1178 Information Exchange for CoSR transmissions (Sameer Vermani) - continued**

Discussion

Q: U-SIG can not be the same for UHR and EHT. Is it to have larger coverage area?

A: Type 2 has common U-SIG by design

SP1:

**Do you support to add the following to the TGbn SFD?**

* The CoSR transmissions from the two APs will use an aligned OFDM symbol boundary during the entire PPDUs (both LTF field and data field) and the same number of EHT-SIG or UHR-SIG field symbols
  + No change to the existing extra-LTF rules shall be done

No objection

SP2:

**Do you support to add the following to the TGbn SFD?**

* + The invite frame for CoSR will carry the following
    - GI+LTF combination
    - Number of LTF symbols

No objection

SP3

Deferred

SP4

**Do you support to add the following to the TGbn SFD?**

* + The CoSR length indication will be done as follows:
    - Invite frame signals
      * Min and Max number of data OFDM symbols
    - Response frame signals
      * Suggested number of data OFDM symbols
    - Sync frame signals
      * L-SIG length
    - The same 9 bit encoding as COBF shall be used for the following 3 fields
      * Min and Max number of data OFDM symbols in invite
      * Suggested number of data OFDM symbols in response
        + Value 511 (‘111111111’) indicates “No suggestion”

No objection

SP5

Deferred

SP6

**Do you support to add the following to the TGbn SFD?**

* + For CoSR transmissions the UHR or EHT SIG MCS shall be fixed to MCS0 and the number of UHR or EHT SIG symbols shall be fixed to 2

No objection

**25/1182 Negotiation on LTF Number for Co-SR (Ross Jian Yu)**

Symbol alignment for 4xLTF can be achieved by aligning LTF symbols with Data symbols.

Signaling required for alignment of the different cases is proposed.

Discussion

Q: what happens if AP1 does not accept AP2’s suggestion?

A: may need mechanism to shut down communication

Q: is there a SP on 4x with 0.8 GI? Propose to keep it out of Co-SR.

Q: we have a different view on the negotiation process. Request to defer SPs.

SP1

**Do you agree to add the following into 11bn SFD?**   
When Co-SR Invite frame indicates 2x LTF type and indicates the intended number of LTF symbols in Co-SR Invite frame, then in the Co-SR Response frame, AP2 could reject the invitation due to the number of LTF limitation.

* The existence of a rejection reason in the CO-SR Response frame is TBD and if a rejection reason field is adopted in TGbn, the presence of a specific rejection reason for LTF limitation is also TBD

No objection to modified SP

SP2-SP4

Deferred

**25/1183 Tx Power Control Clarifications for Co-SR (Ross Jian Yu)**

Clarification of AP selection in Co-SR

No SP

**25/1192 COSR Information Exchange (You-Wei Chen)**

Similar to 1178.

No SP

**25/0849 CID 368: Guard Interval for DRU (Sigurd Schelstraete)**

For information

**25/1001 Adaptive power boosting design for dRU (Sawaira Ali)**

Not present

**25/1176 Unused Tone EVM for DRU (Lin Yang)**

Proposes requirements for the used tone EVM and unused tone EVM within and outside of DBW (but within PPDU BW) for DRU.

**Recess**

The meeting is recessed at 18:00.

## Session 5: Thursday 7/24/2025, 9:00-10:30

**Introduction**

1. The Chair (Dongguk Lim, LGE) calls the meeting to order at 9:00
2. The Chair follows the agenda in 11-25/**1048r4**.
3. The Chair reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple), Sigurd Schelstraete (MaxLinear) or the Chair himself if unable to record attendance via IMAT system.
4. The Chair goes through the IPR policy and asks if anyone is aware of any potentially essential patents. **Nobody speaks up.**
5. The Chair goes through the Copyright policy.
6. Agenda

Technical Submissions - CBF Joint/MAC:

* + [25/0553](https://mentor.ieee.org/802.11/dcn/25/11-25-0553-00-00bn-cross-bss-csi-feedback-for-co-bf.pptx) Cross-BSS CSI Feedback for Co-BF Yongsen Ma
  + [25/1024](https://mentor.ieee.org/802.11/dcn/25/11-25-1024-00-00bn-overlapping-bandwidth-sounding-for-coordinated-beamforming-follow-up.pptx) Overlapping Bandwidth Sounding for Coordinated Beamforming-follow up Qisheng Huang
  + 25/1142 Invite & Response Frame Design for Co-SR and Co-BF Jason Y. Guo
  + [25/0865](https://mentor.ieee.org/802.11/dcn/25/11-25-0865-00-00bn-considerations-on-co-bf-sounding-failure.pptx) Considerations on Co-BF Sounding Mahmoud Hasabelnaby
  + [25/0866](https://mentor.ieee.org/802.11/dcn/25/11-25-0866-00-00bn-explicit-co-bf-sounding-type-and-rounds-indications.pptx) Explicit Co-BF Sounding Type and Rounds Indications Mahmoud Hasabelnaby
  + 25/1034 OBSS CSI Report Check for Co-BF Kosuke Aio

**Technical Submissions**

**25/0553 Cross-BSS CSI Feedback for Co-BF (Yongsen Ma)**

Already motioned

**25/1024 Overlapping Bandwidth Sounding for Coordinated Beamforming-follow up (Qisheng Huang)**

The current protocol does not define a negotiation mechanism to form a beamforming group when bandwidth mismatches exist among APs and STAs. Use pre-sounding frames to identify the BF for co-BF.

Discussion

Q: are these new frames or is information added to existing frames

A: could be in existing frames

Q: could also be done in MAPC. Why do it in invite/response

A: need fresh sounding results. Suggest to do negotiation for every sounding.

Q: is BW info static or can change per TXOP

A: puncturing pattern could be static or dynamic

SPs deferred

**25/1142 Invite & Response Frame Design for Co-SR and Co-BF (Jason Y. Guo)**

Identifies additional information that may have to be included in invite/response frames.

Frame format of the Invite and Response frames are discussed. Two options are proposed.

No SP. Submission will be used as basis for PDT.

**25/0865 Considerations on Co-BF Sounding (Mahmoud Hasabelnaby)**

No need to introduce additional frame exchange to indicate any failure (if it exists) in getting the OBSS CSI reports during the Co-BF sounding. It is proposed that the Shared AP includes the reject reason within the Co-BF Response frame.

Discussion

Q: using NDPA for rejection requires sounding to happen in specific order. Is that a limitation.

A: don’t need changes to agreed sequence

Q: both options can provide solution. Need consistency.

Q: doesn’t cover all cases. Separate set of frames may be better.

Q: doesn’t allow the AP to remedy for any errors that occurred.

SP1

**Do you agree to add to 11bn SFD that:**

* A Shared (Responding) AP may reject a Co-BF/Co-SR transmission or Co-BF sounding invitation received from a Sharing (Initiating) AP.
* In case of rejection, the Shared (Responding) AP can include the reason for rejection in the Co-BF/Co-SR Response or Co-BF Sounding Response frame.
  + Reasons for rejecting a Co-BF/Co-SR transmission or Co-BF sounding invitation are TBD.

No objection

**25/0866 Explicit Co-BF Sounding Type and Rounds Indications (Mahmoud Hasabelnaby)**

Co-BF Sounding process can be carried over a single TXOP or separate TXOPs. Initiating AP should include the sounding type and the specific sounding rounds to be performed within the current TXOP in the Co-BF Sounding Invite frame.

**Recess**

The meeting is recessed at 10:30.

## Session 6: Thursday 7/24/2025, 10:45-12:15

**Introduction**

1. The Chair (Dongguk Lim, LGE) calls the meeting to order at 10:45
2. The Chair follows the agenda in 11-25/**1048r4**.
3. The Chair reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple), Sigurd Schelstraete (MaxLinear) or the Chair himself if unable to record attendance via IMAT system.
4. The Chair goes through the IPR policy and asks if anyone is aware of any potentially essential patents. **Nobody speaks up.**
5. The Chair goes through the Copyright policy.
6. Agenda
   * 25/1034 OBSS CSI Report Check for Co-BF Kosuke Aio
   * [25/1187](https://mentor.ieee.org/802.11/dcn/25/11-25-1187-00-00bn-ht-control-field-of-cobf-dl-ppdu-for-the-indication-of-non-scheduled-sta.pptx) HT Control Field of CoBF DL PPDU for the indication of non-Scheduled STA Junghoon Suh
   * [25/1188](https://mentor.ieee.org/802.11/dcn/25/11-25-1188-00-00bn-ht-control-field-of-cobf-dl-ppdu-for-tb-ack-scheduling.pptx) HT Control of CoBF DL PPDU for TB-Ack Scheduling Junghoon Suh
   * [25/1203](https://mentor.ieee.org/802.11/dcn/25/11-25-1203-00-00bn-discussions-on-cross-bss-sounding.pptx) Discussions on Cross-BSS Sounding Mahmoud Kamel
   * [25/1212](https://mentor.ieee.org/802.11/dcn/25/11-25-1212-00-00bn-co-bf-sounding-invite-and-response.pptx) Co-BF Sounding Invite and Response Leonardo Lanante
   * 25/1208 Enhancement of Co-BF Procedure Jiayi Zhang
   * 25/1209 Discussion on Co-BF Procedure Jiayi Zhang

**Technical Submissions**

**25/1034 OBSS CSI Report Check for Co-BF (Kosuke Aio)**

Not present

**25/1187 HT Control Field of CoBF DL PPDU for the indication of non-Scheduled STA (Junghoon Suh)**

HT Control field proposed for the Indication of non-scheduled STA(s) in CBF DL PPDU.

Discussion

Q: we don’t need to indicate non-scheduled STA. Looks like a corner case.

A: in that case, STAs need to keep decoding till end of the frame.

**25/1188 HT Control of CoBF DL PPDU for TB-Ack Scheduling (Junghoon Suh)**

TB-ACK proposed for Co-BF. Some issues need to be resolved for TB-ACK to work correctly.

Discussion

Q: we already have a sequence for ACK. Adding this adds combinations and complexity. Gains are questionable.

Q: there is also question on details on color settings for TB-ACK, last-moment decisions of STAs, …

**25/1203 Discussions on Cross-BSS Sounding (Mahmoud Kamel)**

Discusses Options for how the cross-BSS sounding can be performed and Indication of cross-BSS sounding failure in CoBF sounding.

No SP

**25/1212 Co-BF Sounding Invite and Response (Leonardo Lanante)**

More details regarding Invite and Response frames to ensure smooth operation of Co-BF sounding, and Co-BF and Co-SR transmissions. Specifically addresses the NAV setting for cases where the invite frame solicits a rejection.

Discussion

Q: not safe to assume that all APs hear all STAs

Q: what would the rejection reasons be?

A: this covers the general concept

Q: still possible to wait till end of TXOP

A: yes

Q: is this already allowed or is this new behavior?

Q: don’t think this is an issue and is already allowed currently.

A: in that case, should be clarified

**25/1208 Enhancement of Co-BF Procedure (Jiayi Zhang)**

The COBF trigger frame may indicate a follow-up Co-BF transmission being scheduled after the COBF transmission completes. The follow-up Co-BF transmission may use the information exchange during the last Co-BF transmission without additional invite/response frame exchange during the follow-up Co-BF transmission.

Discussion

Q: example shows 2 TXOPs. We have agreement to support EMSLR. This may be hard, but doable if the two sequences happen in the same TXOP.

Q: prefer to focus on one TXOP

**Recess**

The meeting is recessed at 12:15.

## Session 7: Thursday 7/24/2025, 13:30-15:30

**Introduction**

1. The Chair (Dongguk Lim, LGE) calls the meeting to order at 13:30
2. The Chair follows the agenda in 11-25/**1048r4**.
3. The Chair reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple), Sigurd Schelstraete (MaxLinear) or the Chair himself if unable to record attendance via IMAT system.
4. The Chair goes through the IPR policy and asks if anyone is aware of any potentially essential patents. **Nobody speaks up.**
5. The Chair goes through the Copyright policy.
6. Agenda
   * 25/1034 OBSS CSI Report Check for Co-BF Kosuke Aio
   * 25/1209 Discussion on Co-BF Procedure Jiayi Zhang
   * [25/1162](https://mentor.ieee.org/802.11/dcn/25/11-25-1162-00-00bn-co-bf-sync-reference-and-sync-follower-determination.pptx) Co-BF Sync-reference and Sync-follower Determination Mrugen Deshmukh
   * [25/0189](https://mentor.ieee.org/802.11/dcn/25/11-25-0189-02-00bn-elicitation-of-response-transmissions-in-coordinated-spatial-reuse.pptx) Elicitation-of-response-transmissions-in-coordinated-spatial-reuse Hassan Omar
   * [25/1022](https://mentor.ieee.org/802.11/dcn/25/11-25-1022-01-00bn-cosr-and-cobf-follow-up.pptx) CoSR and CoBF follow up Jay Yang
   * [25/1026](https://mentor.ieee.org/802.11/dcn/25/11-25-1026-01-00bn-sequential-ack-procedure-of-co-sr.pptx) Sequential Ack Procedure of Co-SR Yurong Qian
   * 25/1033 Co-SR/Co-BF Frame Sequence for eMLSR STA Kosuke Aio
   * [25/1201](https://mentor.ieee.org/802.11/dcn/25/11-25-1201-00-00bn-measurement-for-coordinated-spatial-reuse-co-sr-tx-power-control.pptx) Measurement for Coordinated Spatial Reuse (Co-SR) TX Power Control Ying Wang
   * [25/0541](https://mentor.ieee.org/802.11/dcn/25/11-25-0541-03-00bn-co-sr-power-control.pptx) Co-SR Power Control Huixuan Zhou
   * 23/1184 Padding requirement for cross-BSS Trigger frame RossYu Jian

**Technical Submissions**

**25/1209 Discussion on Co-BF Procedure (Jiayi Zhang)**

Discussion and proposals for termination of Co-BF procedure in the presence of DPS/EMLSR STAs.

Discussion

None

SP deferred

**25/1162 Co-BF Sync-reference and Sync-follower Determination (Mrugen Deshmukh)**

Deferred

**25/0189 Elicitation-of-response-transmissions-in-coordinated-spatial-reuse (Hassan Omar)**

Deferred

**25/1022 CoSR and CoBF follow up (Jay Yang)**

Propose to define a procedure to allow STA to recommend itself to enroll in the CoSR, CoBF scheme or not.

Discussion

Q: for a STA does it matter whether it receives its frames using Co-BF or SU?

A: There are still some differences

SP

Q: ask to defer. Need more time.

SP deferred.

**25/1026 Sequential Ack Procedure of Co-SR (Yurong Qian)**

This contribution proposes a robust sequential Ack procedure for Co-SR, which introduces an inter-AP indication signaling the completion of the MU-BAR/BA exchange.

Discussion

None

No SPs

**25/1033 Co-SR/Co-BF Frame Sequence for eMLSR STA (Kosuke Aio)**

Not present

**25/1201 Measurement for Coordinated Spatial Reuse (Co-SR) TX Power Control (Ying Wang)**

This contribution discusses the interference power measurement procedure that enables the sharing AP to perform TX power control on the shared AP. Measurement frame formats are discussed.

Discussion

Q: Beacon already has TPC

A: OK – great for co-SR

Q: concerns about scalability

Q: need both mechanisms. Provides flexibility for both UHR and EHT.

SP deferred

**25/0541 Co-SR Power Control (Huixuan Zhou)**

In this contribution, a power control solution for Co-SR is introduced with some shared information using Co-SR invite/response exchange.

Discussion

None

SP deferred

**25/1184 Padding requirement for cross-BSS Trigger frame (RossYu Jian)**

For cross-BSS sounding, the AP overhearing the BRFP TF will parse the TF, prepare TRIGVECTOR and receiver BF report. Value could be pre-negotiated during MAPC setup.

Discussion

Q: Padding would be the max of Tx-related and Rx-related padding requirement?

A: could be

Q: there may be other places that need padding. Should harmonize.

A: this padding is critical for the AP. The same mechanism may work for other devices.

Q: shouldn’t fixed value also be negotiated or is 16 the worst case?

A: 16 is worst case. Could be fixed or negotiated.

Q: padding is added in BFRP?

A: yes, this is existing field since 11ax

Q: can padding include user info fields following a certain user’s info field

A: yes, that is allowed

Q: what is the required reaction from the other AP. Does it really need padding?

A: we believe it does

Q: we may need it for NDPA as well.

A: maybe

**CR/PDT Submissions**

**25/1283r0 CC50 CR for CID 3520, 3521 and 3522 (Eunsung Park)**

No further changes needed

SP

Do you agree to accept the proposed resolution of the following 3 CIDs as proposed in document 25/1283r0?

* CIDs 520, 3521, 3522

No objection

**Recess**

The meeting is recessed at 15:20.

## Session 8: Thursday 7/24/2025, 16:00-18:00

**Introduction**

1. The Chair (Dongguk Lim, LGE) calls the meeting to order at 16:00
2. The Chair follows the agenda in 11-25/**1048r4**.
3. The Chair reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple), Sigurd Schelstraete (MaxLinear) or the Chair himself if unable to record attendance via IMAT system.
4. The Chair goes through the IPR policy and asks if anyone is aware of any potentially essential patents. **Nobody speaks up.**
5. The Chair goes through the Copyright policy.
6. Agenda

Straw Polls – 3 SPs

CR/PDT Submissions:

* + …

Technical Submissions ELR/DRU/DS-CTS:

* + [25/1001](https://mentor.ieee.org/802.11/dcn/25/11-25-1001-02-00bn-adaptive-power-boosting-design-for-dru.pptx) Adaptive power boosting design for dRU Sawaira Ali
  + [25/1180](https://mentor.ieee.org/802.11/dcn/25/11-25-1180-00-00bn-dru-transmit-modulation-accuracy-evm-requirement.pptx) DRU Transmit Modulation Accuracy Requirement Yan Zhang
  + [25/1195](https://mentor.ieee.org/802.11/dcn/25/11-25-1195-00-00bn-evm-definition-for-uhr-dru-tb-ppdu-followup.pptx) EVM Definition for UHR DRU TB PPDU followup Rui Cao
  + [25/1174](https://mentor.ieee.org/802.11/dcn/25/11-25-1174-00-00bn-consideration-on-the-scrambler-initialization-value-for-ds-cts.pptx) Consideration on the scrambler initialization value for DS-CTS Chenchen Liu
  + [25/1175](https://mentor.ieee.org/802.11/dcn/25/11-25-1175-00-00bn-scrambling-seed-design-for-ds-cts.pptx) Scrambling Seed Design for DS-CTS Lin Yang
  + [25/1181](https://mentor.ieee.org/802.11/dcn/25/11-25-1181-00-00bn-scrambler-seed-used-in-ds-cts-frame.pptx) Scrambler seed used in DS-CTS frame Hari Ram Balakrishnan
  + [25/0848](https://mentor.ieee.org/802.11/dcn/25/11-25-0848-00-00bn-uhr-elr-pilot-tones-clarification.docx) UHR ELR Pilot Tones Clarification Sigurd Schelstraete
  + [25/0985](https://mentor.ieee.org/802.11/dcn/25/11-25-0985-02-00bn-a-novel-approach-to-reduce-the-size-of-the-beamforming-feedback-report-in-wi-fi-networks.pptx) A Novel Approach to Reduce the Size of the Beamforming Feedback Report in Wi-Fi Networks Sawaira Ali

**Straw Polls**

**SP1 (Sherief) :**

**Do you agree to use the following CoBF transmission sequence to support STAs requiring ICF/ICR before data frame exchanges?**

* The frame sequence consists of:
  + A CoBF Invite/CoBF Response frame exchange between the sharing and shared APs.
  + CoBF Invite/CoBF Response are followed by ICF/ICR frame exchanges between the APs and their associated STAs happening sequentially across the two APs; sharing AP then shared AP.
    - The presence of the ICF/ICR frame exchange from each AP is conditional on the CoBF PPDU being addressed to one or more STA.
    - The presence of the ICF/ICR frame exchange from each AP is indicated in the CoBF Invite/Response frames.
    - ICF1-ICR1 are exchanged between the sharing AP and its STAs
    - ICF2-ICR2 are exchanged between the shared AP and its STAs
    - The duration of the ICF/ICR frame exchange from each AP is indicated in the CoBF Invite/Response frames
  + Finally, a CoBF Trigger frame preceding the data PPDUs that are sent by the two APs simultaneously.
  + Frame sequence for Ack information polling is TBD.
* Whether the CoBF Invite and ICF1 can be merged and/or CoBF Response and ICF2 can be merged is TBD.

A diagram of a computer

AI-generated content may be incorrect.

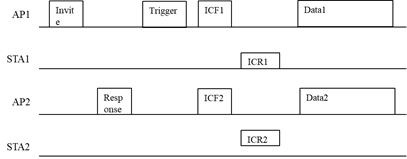
Reference: 24/412, 25/879, 25/413, 24/2124r2

No objection

**SP2 (Jason):**

**Do you agree to use the following transmission sequence in CoSR Mode1 to support EHT eMLSR STAs?**

* The frame sequence consists of:
  + A CoSR Invite/CoSR Response frame exchange between the sharing and shared APs.
  + Follows a CoSR Trigger frame sent by the sharing AP
  + Follows ICF/ICR frame exchanges between the APs and their associated STAs happening simultaneously.
    - The presence of the ICF/ICR frame exchange from each AP is conditional on the CoSR PPDU being addressed to one or more STA.
    - The presence of the ICF/ICR frame exchange from each AP is indicated in the CoSR Invite/Response frames.
    - ICF1-ICR1 are exchanged between the sharing AP and its STAs
    - ICF2-ICR2 are exchanged between the shared AP and its STAs
    - The length of the ICF1 and ICR1 frames are indicated in the CoSR Invite frame
    - The length of the ICF2 and ICR2 frames are indicated in the CoSR Response frame
    - The max {ICF1 length ; ICF2 length} will be used as the final length of ICF1 and ICF2
    - The max {ICR1 length ; ICR2 length} will be used as the final length of ICR1 and ICR2
    - The RU to be used to transmit ICR2 is indicated in the CoSR Invite frame
  + Finally, data PPDUs sent by the two APs simultaneously.



Reference 25/2124r2

SP deferred

**SP3 (Sherief):**

* Do you support that Co-BF and Co-SR transmission TXOP shall follow the same frame exchange sequence framework?
  + Co-SR does not need to support EHT eMLSR non-AP STA

Reference: 24/412, 25/879

Y/N/A: 53/20/12

**Technical submissions**

**25/1180 DRU Transmit Modulation Accuracy Requirement (Yan Zhang)**

Examine impact of DRU toneplan on unused EVM values.

Based on 26-tone RRU grid for requirements.

Discussion

Q: formula on slide 3 should also apply within DBW?

A: agree

Request to defer all SPs to allow for further verification.

**Recess**

The meeting is recessed at 17:52.

## Session 9: Friday 7/25/2025, 9:00-10:30

**Introduction**

1. The Chair (Dongguk Lim, LGE) calls the meeting to order at 9:00
2. The Chair follows the agenda in 11-25/**1048r6**.
3. The Chair reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple), Sigurd Schelstraete (MaxLinear) or the Chair himself if unable to record attendance via IMAT system.
4. The Chair goes through the IPR policy and asks if anyone is aware of any potentially essential patents. **Nobody speaks up.**
5. The Chair goes through the Copyright policy.
6. Agenda

CR/PDT Submissions:

* + [25/1298](https://mentor.ieee.org/802.11/dcn/25/11-25-1298-00-00bn-misc-uhr-phy-capability-field-cids.docx) Misc UHR PHY Capability field CIDs Eugene Baik [4C]

Technical Submissions ELR/DRU/DS-CTS:

* + [25/1001](https://mentor.ieee.org/802.11/dcn/25/11-25-1001-02-00bn-adaptive-power-boosting-design-for-dru.pptx) Adaptive power boosting design for dRU Sawaira Ali
  + [25/1195](https://mentor.ieee.org/802.11/dcn/25/11-25-1195-00-00bn-evm-definition-for-uhr-dru-tb-ppdu-followup.pptx) EVM Definition for UHR DRU TB PPDU followup Rui Cao
  + [25/1174](https://mentor.ieee.org/802.11/dcn/25/11-25-1174-00-00bn-consideration-on-the-scrambler-initialization-value-for-ds-cts.pptx) Consideration on the scrambler initialization value for DS-CTS Chenchen Liu
  + [25/1175](https://mentor.ieee.org/802.11/dcn/25/11-25-1175-00-00bn-scrambling-seed-design-for-ds-cts.pptx) Scrambling Seed Design for DS-CTS Lin Yang
  + [25/1181](https://mentor.ieee.org/802.11/dcn/25/11-25-1181-00-00bn-scrambler-seed-used-in-ds-cts-frame.pptx) Scrambler seed used in DS-CTS frame Hari Ram Balakrishnan
  + [25/0848](https://mentor.ieee.org/802.11/dcn/25/11-25-0848-00-00bn-uhr-elr-pilot-tones-clarification.docx) UHR ELR Pilot Tones Clarification Sigurd Schelstraete
  + [25/0985](https://mentor.ieee.org/802.11/dcn/25/11-25-0985-02-00bn-a-novel-approach-to-reduce-the-size-of-the-beamforming-feedback-report-in-wi-fi-networks.pptx) A Novel Approach to Reduce the Size of the Beamforming Feedback Report in Wi-Fi Networks Sawaira Ali

CR/PDT Submissions:

* + [25/1294](https://mentor.ieee.org/802.11/dcn/25/11-25-1294-00-00bn-resolution-to-misc-ldpc-cids.docx) Resolution to misc LDPC CIDs Rethna Pulikkoonattu [3C]
  + 25/1311 CC50-CR-for-CIDs-952-1349 Genadiy Tsodik [2C]
  + [25/1299](https://mentor.ieee.org/802.11/dcn/25/11-25-1299-01-00bn-cc50-cr-for-cid-1663.docx) CC50 CR for CID 1663 Qisheng Huang [1C]

**CR/PDT Submissions:**

**25/1298 Misc UHR PHY Capability field CIDs (Eugene Baik)**

SP

Do you agree to accept the proposed resolution of the following 3 CIDs as proposed in document 25/1298r3

* 1201, 1770, 2571

No objection

**Technical submissions**

**25/1001 Adaptive power boosting design for dRU (Sawaira Ali)**

Not present

**25/1195 EVM Definition for UHR DRU TB PPDU followup (Rui Cao)**

Proposes two values for EVM depending on the tone separation within the DRU.

Discussion

Q: slide 8 should clarify that this is for TB PPDU only

Q: case A has noise unused DRU error close to the noise floor. There is little variation for different DRU. Why do we need additional offset for case A?

A: OK with using single value of -38 dB for case A

Q: do we really need to consider both cases A and B separately?

Q: shouldn’t EVM be set to meet guaranteed performance?

A: EVM set based on expected distortion

Q: what about CFO?

A: 350 Hz was used. Impact is not large.

Further discussion needed.

**25/1174 Consideration on the scrambler initialization value for DS-CTS (Chenchen Liu)**

A Defer Signal CTS (DS-CTS) frame is transmitted to start the P-EDCA contention. The DS-CTS may be transmitted by multiple STA simultaneously, so the scrambler initialization value has to be fixed.

Discussion

Q: why force orthogonality, the criterion should be Hamming distance?

Further discussion needed.

SPs deferred

**25/1175 Scrambling Seed Design for DS-CTS (Lin Yang)**

Two criteria: Hamming distance and PAPR.

Propose to use seed value 84.

Discussion

Q: is ANA value fixed?

A: has been announced. Will be put in spec at the next revision.

Q: why limit Hamming Distance to 29?

A: Gives better performance.

Q: why does PAPR matter for BPSK, R=1/2?

Q: agree with fixing the RA value.

Q: does optimization result in gain in PER?

Further discussion needed.

SPs deferred

**Recess**

The meeting is recessed at 10:30.

## Session 10: Friday 7/25/2025, 10:45-12:15

**Introduction**

1. The Chair (Dongguk Lim, LGE) calls the meeting to order at 10:45
2. The Chair follows the agenda in 11-25/**1048r6**.
3. The Chair reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple), Sigurd Schelstraete (MaxLinear) or the Chair himself if unable to record attendance via IMAT system.
4. The Chair goes through the IPR policy and asks if anyone is aware of any potentially essential patents. **Nobody speaks up.**
5. The Chair goes through the Copyright policy.
6. Agenda

Technical Submissions ELR/DRU/DS-CTS:

* + [25/1181](https://mentor.ieee.org/802.11/dcn/25/11-25-1181-00-00bn-scrambler-seed-used-in-ds-cts-frame.pptx) Scrambler seed used in DS-CTS frame Hari Ram Balakrishnan
  + [25/0848](https://mentor.ieee.org/802.11/dcn/25/11-25-0848-00-00bn-uhr-elr-pilot-tones-clarification.docx) UHR ELR Pilot Tones Clarification Sigurd Schelstraete
  + [25/1001](https://mentor.ieee.org/802.11/dcn/25/11-25-1001-02-00bn-adaptive-power-boosting-design-for-dru.pptx) Adaptive power boosting design for dRU Sawaira Ali
  + [25/0985](https://mentor.ieee.org/802.11/dcn/25/11-25-0985-02-00bn-a-novel-approach-to-reduce-the-size-of-the-beamforming-feedback-report-in-wi-fi-networks.pptx) A Novel Approach to Reduce the Size of the Beamforming Feedback Report in Wi-Fi Networks Sawaira Ali

CR/PDT Submissions:

* + [25/1294](https://mentor.ieee.org/802.11/dcn/25/11-25-1294-00-00bn-resolution-to-misc-ldpc-cids.docx) Resolution to misc LDPC CIDs Rethna Pulikkoonattu [3C]
  + 25/1311 CC50-CR-for-CIDs-952-1349 Genadiy Tsodik [2C]
  + [25/1299](https://mentor.ieee.org/802.11/dcn/25/11-25-1299-01-00bn-cc50-cr-for-cid-1663.docx) CC50 CR for CID 1663 Qisheng Huang [1C]
  + 25/1316 PDT No MCS 15 for UHR-SIG field Ross Yu Jian

**Technical Submissions**

**25/1181 Scrambler seed used in DS-CTS frame (Hari Ram Balakrishnan)**

Considers possible values of RA field as well.

Proposes seed value of 75

Discussion

Q: RA value is assigned by ANA. Better to update the results.

**25/0848 UHR ELR Pilot Tones Clarification (Sigurd Schelstraete)**

Proposes minor text changes for clarification purposes.

Decision deferred to allow for further verification

Will update to include SP.

**25/1001 Adaptive power boosting design for dRU (Sawaira Ali)**

Not present

**25/0985 A Novel Approach to Reduce the Size of the Beamforming Feedback Report in Wi-Fi Networks (Sawaira Ali)**

Not present

**CR/PDT Submissions:**

**25/1294 Resolution to misc LDPC CIDs (Rethna Pulikkoonattu)**

SP

Do you agree to accept the proposed resolution of the following 3 CIDs as proposed in document 25/1294r2.

* 2700, 2708, 2709

No objection

**25/1311 CC50-CR-for-CIDs-952-1349 (Genadiy Tsodik)**

SP

Do you agree to accept the proposed resolution of the following 2 CIDs as proposed in document 25/1311r0.

* CIDs 952, 1349

No objection

**25/1299 CC50 CR for CID 1663 (Qisheng Huang)**

SP

Do you agree to accept the proposed resolution of the following CID as proposed in document 25/1663r0.

* CIDs 1663

No objection

**25/1316 PDT No MCS 15 for UHR-SIG field (Ross Yu Jian)**

SP

Do you agree to incorporate the proposed text as proposed in document 25/1316r0

No objection

**Adjourn**

The meeting is adjourned at 11:36.