IEEE P802.11
Wireless LANs

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| Minutes 802.11 be PHY ad hoc – March Plenary meetings  |
| Date: 2022-03-10 |
| Author(s): |
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Abstract

This document contains the PHY ad hoc meeting minutes for TGbe teleconferences held on:

* March 07, 2022
* March 09, 2022
* March 10 AM, 2022
* March 10 PM, 2022

**Monday March 07th, 2022 19:00 – 21:00 ET**

**Introduction**

1. The Chair (Sigurd Schelstraete, MaxLinear) calls the meeting to order at 19:00 ET.
2. The Chair follows the agenda in 11-22/0271r2.
3. Reminder for registration for the plenary meeting.
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 reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple) or the Chair himself if unable to record attendance via IMAT system.
6. Discussions on the agenda.
	* [1220r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1220-01-00be-cc36-cr-on-eht-phy-introduction-20mhz-device-related-cids.docx) CRs on PHY Introduction 20MHz devices related CIDs Bin Tian [14C]
	* [0383r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0383-00-00be-cr-for-clause-36-3-2-2-subcarriers-and-resource-allocation-for-multiple-rus-part-2.doc) CR for 36.3.2.2 Subcarriers & resource alloc. for multiple RUs - p2 Myeongjin Kim[49C]
	* [0195r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0195-02-00be-phytxrxvector-cid4643.docx) phyTxRxVector (CID4643) Brian Hart [1C]
	* [0133r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0133-02-00be-cc36-cr-for-cids-5461-and-8089-related-to-ru-allocation.docx) CR 4 CIDs 5461 & 8089 related to RU\_ALLOCATION Mengshi Hu [2C]
	* [0231r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0231-00-00be-cc36-cr-for-ul-power-headroom.docx) CR for UL power headroom Mengshi Hu [1C]
	* [0277r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0277-00-00be-cc36-comment-resolution-for-subclause-36-3-5.docx) Comment Resolution for subclause 36.3.5 Srinath Puducheri[7C]
	* [0321r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0321-00-00be-eht-phy-mib.docx) EHT PHY MIB Youhan Kim [1C]
	* [0324r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0324-00-00be-d1-0-crs-on-36-2-6-support-for-non-ht-ht-vht-and-he-formats.docx) CRs on 36.2.6 Supp. 4 non-HT, HT, VHT, and HE form. Bo Gong [4C]

**CR contributions**

1. **1220r1 CRs on PHY Introduction 20MHz devices related CIDs** **– Bin Tian (Qualcomm)**

SP#1: Do you agree to the resolution of the following CIDs as proposed in 11-21/1220r1?

* CIDs 6930, 7115, 4978, 4979, 4524, 4980,5523, 5521, 5522, 4895, 5714, 7321, 7322, 7977

No objection

1. **0383r0 CR for Clause 36.3.2.2 Subcarriers and resource allocation for multiple RUs - part 2 – Myeongjin Kim (Samsung)**

Deferred to next meeting.

1. **0195r2 phyTxRxVector (CID4643) – Brian Hart (Cisco)**

SP#2: Do you agree to the resolution of the following CIDs as proposed in 11-22/0195r2?

* CIDs 4643

No objection

1. **0133r2 CC36 CR for CIDs 5461 and 8089 related to RU\_ALLOCATION – Mengshi Hu (Huawei)**

SP#3: Do you agree to the resolution of the following CIDs as proposed in 11-22/0133r2?

* CIDs 5461, 8089

No objection

1. **0231r0 CC36 CR for UL power headroom – Mengshi Hu (Huawei)**

SP#4: Do you agree to the resolution of the following CID as proposed in 11-22/0231r0?

* CIDs 5570

No objection

1. **0277r0 CC36 Comment Resolution for subclause 36.3.5** **– Srinath Puducheri (Broadcom)**

**Discussions:**

Some editorial comments and update to R1.

SP#5: Do you agree to the resolution of the following CIDs as proposed in 11-22/0277r1?

* CIDs 4652, 6432, 7005, 7181, 7182, 7311, 7950

No objection

1. **0321r0 EHT PHY MIB** **– Youhan Kim (Qualcomm)**

**Discussions:**

Some editorial comments and update to R1.

SP#6: Do you agree to the resolution of the following CID as proposed in 11-22/0321r1?

* CIDs 7281

No objection

**Recess**

The meeting is Recessed at 21:00 PM ET

**Wednesday March 09th, 2022 19:00 – 21:00 ET**

**Introduction**

1. The Chair (Sigurd Schelstraete, MaxLinear) calls the meeting to order at 19:00 ET.
2. The Chair follows the agenda in 11-22/0271r4.
3. Reminder for registration for the plenary meeting.
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 reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple) or the Chair himself if unable to record attendance via IMAT system.
6. Discussions on the agenda.
	* [0383r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0383-00-00be-cr-for-clause-36-3-2-2-subcarriers-and-resource-allocation-for-multiple-rus-part-2.doc) CR for 36.3.2.2 Subcarriers & resource alloc. for multiple RUs - p2 Myeongjin Kim[49C]
	* [0307r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0307-00-00be-cc36-comment-resolution-on-u-sig-part-6.docx) Comment Resolution on U-SIG Part 6 Alice Chen [29C]
	* [0384r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0384-00-00be-cr-for-cids-on-36-3-2-8.docx) CR for CIDs on 36.3.2.8 Yan Xin [11C]
	* [0324r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0324-00-00be-d1-0-crs-on-36-2-6-support-for-non-ht-ht-vht-and-he-formats.docx) CRs on 36.2.6 Supp. 4 non-HT, HT, VHT, and HE form. Bo Gong [4C]
	* [0323r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0323-00-00be-d1-0-crs-on-36-3-13-13-dcm.docx) CRs on 36.3.13.13 DCM Bo Gong [2C]
	* [0322r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0322-00-00be-d1-0-crs-on-36-2-6-1.docx) CRs on 36.2.6.1 Bo Gong [6C]
	* [0346r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0346-00-00be-cc36-comment-resolutions-for-cid-4663.docx) Comment Resolutions for CID 4663 Dongguk Lim [1C]
	* [0419r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0419-00-00be-cc36-cr-on-cid-6118-and-6915.docx) CR on CID 6118 And 6915 Alice Chen [2C]
	* [0429r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0429-00-00be-cc36-remaining-phy-introduction-related-crs.docx) CC36 remaining PHY introduction related CRs Kanke Wu [2C]
	* [0420r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0420-00-00be-cc36-comment-resolution-on-36-3-3.docx) CR on CID 6118 And 6915 Alice Chen [7C]
	* [0456r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0456-01-00be-d1-0-cr-on-cid4574.docx) D1.0 CR on CID4574 Bo Gong [1C]

**CR contributions**

1. **0383r0 CR for Clause 36.3.2.2 Subcarriers and resource allocation for multiple RUs - part 2 – Myeongjin Kim (Samsung)**

Deferred to next meeting.

1. **0307r0 Comment Resolution on U-SIG Part 6 – Alice Chen (Qualcomm)**

**Discussions:**

Some editorial comments and update to R2. Come back for SP after next presentation.

SP#2: Do you agree to the resolution of the following CIDs as proposed in 11-22/0307r2?

* CIDs 4585, 4599, 4600, 4601, 4604, 4605, 4946, 4947, 4948, 4949, 5475, 5476, 5820, 6466, 6798, 7202, 7203, 7205, 7206, 7464, 7465, 8008, 8009, 8010, 8011, 8013

Note: CIDs 4602, 4603, 8007 are deferred

No objection

1. **0384r0 CR for CIDs on 36.3.2.8 – Yan Xin (Huawei)**

**Discussions:**

Some editorial comments and update to R1.

SP#1: Do you agree to the resolution of the following CIDs as proposed in 11-22/0384r1?

* CIDs 4540, 4541, 4648, 4687, 4991, 4992, 5568, 6431, 6797, 7171

Note: CID 7172 is deferred

No objection

Note: The author found an issue in 0384r1. Will update to r2 and run another SP in next call.

1. **0324r0 CRs on 36.2.6 Support for non-HT, HT, VHT, and HE formats – Bo Gong (Huawei)**

SP#3: Do you agree to the resolution of the following CIDs as proposed in 11-22/0324r0?

* CIDs 4634, 4902, 7993, 4645

No objection

1. **0323r0 CRs on 36.3.13.13 DCM – Bo Gong (Huawei)**

SP#4: Do you agree to the resolution of the following CIDs as proposed in 11-22/0323r0?

* CIDs 5431, 7013

No objection

**Recess**

The meeting is Recessed at 21:00 PM ET

**Thursday March 10th, 2022 9:00 – 11:00 ET**

**Introduction**

1. The Chair (Sigurd Schelstraete, MaxLinear) calls the meeting to order at 9:00AM ET.
2. The Chair follows the agenda in 11-22/0271r5.
3. Reminder for registration for the plenary meeting.
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 reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the Co-chair, Tianyu Wu (Apple) or the Chair himself if unable to record attendance via IMAT system.
6. Discussions on the agenda.
	* 384r2 CR for CIDs on 36.3.2.8 Yan Xin [10C]
	* [0383r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0383-00-00be-cr-for-clause-36-3-2-2-subcarriers-and-resource-allocation-for-multiple-rus-part-2.doc) CR for 36.3.2.2 Subcarriers & resource alloc. for multiple RUs - p2 Myeongjin Kim[49C]
	* [0322r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0322-00-00be-d1-0-crs-on-36-2-6-1.docx) CRs on 36.2.6.1 Bo Gong [6C]
	* [0346r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0346-00-00be-cc36-comment-resolutions-for-cid-4663.docx) Comment Resolutions for CID 4663 Dongguk Lim [1C]
	* [0419r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0419-00-00be-cc36-cr-on-cid-6118-and-6915.docx) CR on CID 6118 And 6915 Alice Chen [2C]
	* [0429r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0429-00-00be-cc36-remaining-phy-introduction-related-crs.docx) CC36 remaining PHY introduction related CRs Kanke Wu [2C]
	* [0420r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0420-00-00be-cc36-comment-resolution-on-36-3-3.docx) CR on CID 6118 And 6915 Alice Chen [7C]
	* [0456r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0456-01-00be-d1-0-cr-on-cid4574.docx) D1.0 CR on CID4574 Bo Gong [1C]
	* [0369r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0369-00-00be-cc36-cr-on-36-3-17.doc) CR-on-36.3.17 Genadiy Tsodik [1C]

**CR contributions**

1. **0384r2 CR for CIDs on 36.3.2.8 – Yan Xin (Huawei)**

SP#1: Do you agree to the resolution of the following CIDs as proposed in 11-22/0384r2?

* CIDs 4540, 4541, 4648, 4687, 4991, 4992, 5568, 6431, 6797, 7171

Note: CID 7172 is deferred

Note 2: this supersedes the SP held on 3/9/2022

No objection

1. **0383r2 CR for Clause 36.3.2.2 Subcarriers and resource allocation for multiple RUs - part 2 – Myeongjin Kim (Samsung)**

**Discussions:**

Some editorial comments and update to R3.

SP#2: Do you agree to the resolution of the following CIDs as proposed in 11-22/0383r3?

* CIDs 4681, 4682, 4683, 4684, 7148, 7150, 7153, 7154, 7155, 4791, 4792, 4793, 4794, 4795, 4796, 4797, 4798, 4799, 4800, 4801, 4903, 4986, 4987, 4988, 4989, 6790, 6789, 7318, 5466, 5812, 6787, 7151, 6428, 6429, 6430, 6785, 6786, 6788, 4674, 7144, 7145, 7146, 7147, 7149, 7152, 7156, 6129, 7142, 7756

No objection

1. **0322r0 CRs on 36.2.6.1 – Bo Gong (Huawei)**

**Discussions:**

Some editorial comments and update to R1.

SP#3: Do you agree to the resolution of the following CIDs as proposed in 11-22/0322r1?

* CIDs 7992, 4536, 4644, 4899, 4900, 4901
1. **0346r0 CC36 Comment Resolutions for CID 4663 – Dongguk Lim (LGE)**

SP#4: Do you agree to the resolution of the following CID as proposed in 11-22/0346r0?

* CID 4663

No objection

1. **0419r0 CC36 CR on CID 6118 and 6915 – Alice Chen (Qualcomm)**

**Discussions:**

Some editorial comments and update to R1. Come back for SP after next presentation.

SP#6: Do you agree to the resolution of the following CIDs as proposed in 11-22/0419r1?

* CIDs 6118, 6915

No objection

1. **0429r0 CC36 remaining PHY introduction related CRs – Kanke Wu (Qualcomm)**

SP#5: Do you agree to the resolution of the following CIDs as proposed in 11-22/0429r0?

* CIDs 4941, 5443

No objection

1. **0420r0 CC36 comment resolution on 36.3.3 – Alice Chen (Qualcomm)**

SP#7: Do you agree to the resolution of the following CIDs as proposed in 11-22/0420r0?

* CIDs 7173, 7174, 7175, 7309, 7748, 7969, 7970

No objection

1. **0456r1 CC36 CR on CID 6118 and 6915 – Alice Chen (Qualcomm)**

**Discussions:**

Some editorial comments and update to R2.

SP#8: Do you agree to the resolution of the following CID as proposed in 11-22/0456r2?

* CIDs 4574

No objection

1. **0369r0 CC36 CR on 36.3.17 – Genadiy Tsodik (Huawei)**

SP#9: Do you agree to the resolution of the following CID as proposed in 11-22/0369r0?

* CIDs 6080

No objection

**Recess**

The meeting is Recessed at 11:00 AM ET

**Thursday March 10th, 2022 19:00 – 21:00 ET**

**Introduction**

1. The Chair (Tianyu Wu, Apple) calls the meeting to order at 19:00 ET.
2. The Chair follows the agenda in 11-22/0271r9.
3. Reminder for registration for the plenary meeting.
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 reminds everyone to report their attendance by using IMAT system and by sending an e-mail to the chair, Tianyu Wu (Apple) if unable to record attendance via IMAT system.
6. Discussions on the agenda.
	* [475r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0475-00-00be-proposed-resolutions-to-cid-4847-and-7661.docx) Proposed Resolutions to CID 4847 and 7661 Wook Bong Lee [2C]
	* [472r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0472-00-00be-cc36-comment-resolution-on-u-sig-part-7.docx) CC36 Comment Resolution on U-SIG Part 7 Alice Chen [4C]
	* [~~478r0~~](https://mentor.ieee.org/802.11/dcn/22/11-22-0478-00-00be-comment-resolution-for-cid4574.docx) ~~Comment resolution for CID4574 Jianhan Liu [1C]~~
	* [479r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0479-00-00be-cr-for-cid-7172.docx) CR for CID 7172 Yan Xin [1C]
	* [1563r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1563-01-00be-dynamic-range-of-4kqam.docx) Dynamic Range of 4KQAM Brian Hart [1C]
	* 441r1 CR for Section 36.3.11.12 on P802.11be D1.4 - Part 4 Oded Redlich [3C]
	* 483r0 SCRAMBLER INITIAL VALUE Youhan Kim [1C]
	* [1018r46](https://mentor.ieee.org/802.11/dcn/21/11-21-1018-46-00be-ieee-802-11be-cc36-comments.xlsx) Go over remaining unresolved CIDs in PHY tab Edward/Sigurd/Tianyu [??C]
	* [476r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0476-00-00be-changes-to-supported-channel-width.docx) Changes to supported Channel Width Xiaogang Chen [PDT]

Submission 478r0 is withdrawn by the author since CR for CID 4574 has already passed motion.

**CR contributions**

1. **0475r0 Proposed Resolutions to CID 4847 and 7661 – Wook Bong Lee (Samsung)**

SP#1: Do you agree to the resolution of the following CIDs as proposed in 11-22/475r0?

* CIDs 4847, 7661

No Objection.

1. **0472r0 CC36 Comment Resolution on U-SIG Part 7 – Alice Chen (Qualcomm)**

SP#2: Do you agree to the resolution of the following CIDs as proposed in 11-22/472r0?

* CIDs 4602, 4603, 8007, 4568

No Objection.

1. **0479r0 CR for CID 7172 – Yan Xin (Huawei)**

SP#3: Do you agree to the resolution of the following CID as proposed in 11-22/479r0?

* CID 7172

No Objection.

1. **21/1563r1 Dynamic Range of 4KQAM – Brian Hart (Cisco)**

**Discussions:**

Author accepts some comments and update to R3.

SP#4: Do you agree to the resolution of the following CID as proposed in 11-21/1563r3?

* CID 4615

No Objection.

1. **441r1 CR for Section 36.3.11.12 on P802.11be D1.4 - Part4 – Oded Redlich (Huawei)**

**Discussions:**

Author accepts some comments and update to R2.

SP#5: Do you agree to the resolution of the following CIDs as proposed in 11-22/441r2?

* CIDs 6443, 7236, 7752

No Objection.

1. **483r0 SCRAMBLER INITIAL VALUE – Youhan Kim (Qualcomm)**

SP#6: Do you agree to the resolution of the following CID as proposed in 11-22/483r0?

* CID 7741

No Objection.

1. **21/1018r46 Go over remaining unresolved CIDs in PHY tab – Edward Au (Huawei)**

**Discussions:**

Some editorial comments and update to R47.

SP#7: Do you agree to the resolution of the following CIDs as shown in 11-21/1018r47?

* CIDs 4559, 4560, 5392, 5720, 7468

No Objection.

Withdrawn CID: 4679, 7014

CIDs moved to Joint session: 5573, 6106

**Adjourn**

The meeting is adjourned at 21:00 ET