IEEE P802.11
Wireless LANs

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| IEEE 802.11 Task Group AYJanuary, February, and March 2020 Teleconference Minutes |
| Date: 2020-03-11 |
| Author: |
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Abstract

Task Group AY comment resolution committee meeting minutes from the IEEE 802.11 conference call sessions on January 29, February 5, February 12, February 26, and March 11, 2020.

**IEEE 802.11 Task Group AY Comment Resolution Committee**

**January, February, and March 2020 Teleconference Minutes**

**Wednesday, January 29, 2020, Conference Call Session (10:00-11:30 ET)**

1. The IEEE 802.11ay task group meeting was called to order at 10:02am ET by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-20/0239r1 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0239-01-00ay-task-group-ay-january-february-and-march-2020-teleconference-call-agendas.ppt>).
3. TGay is operating as the Comment Resolution Committee (CRC) for P802.11ay.
4. Chair reviewed the IEEE-SA patent policy, participation in IEEE 802 meetings, logistics, and reminders on Task Group rules, including meeting guidelines and attendance recording procedures (slides 4-13)
	1. Chair asked if anyone has any questions about the IEEE-SA patent policy, participation in IEEE 802 meetings, logistics or reminders. No questions.
	2. Chair asked if anybody has any disclosures related to the patent policy. None.
	3. Chair asked if there were any questions on any of the above items. None.
	4. Chair reminded all to record their attendance.
	5. Chair reminded all to upload their presentations
5. Chair reviewed the meeting agenda for the conference call (slide 14).
6. Chair reminded the CRC members about the CRC operation (slides 15-17).
7. Chair updated the CRC members about the status of the comment resolution on the initial SA ballot (slides 18-19).
8. Comment Resolution
	1. Presentation by Solomon Trainin (Qualcomm), SA ballot comment resolution, Doc. IEEE 11-20/0157r1 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0157-01-00ay-sa-ballot-comment-resolution-cids-6113-6114-6110-6111-6112.docx>).
		1. Opened the floor for discussion on the revised resolution for CID 6112. No comment received.
		2. Members do not have any technical concern on the following 5 CIDs as proposed in 20/0157r2, namely 6110, 6111, 6112, 6113, and 6114. No straw poll is taken, and these CIDs are ready for motion in the next teleconference call.
9. Motion
	1. Motion #642. Comment Resolution. Move to accept the comment resolution for CIDs 6120, 6124, 6125, 6126, 6145, 6151, 6152, 6153, 6222, 6223, 6225, and 6226 as proposed in 20/0112r1.

Move: Claudio da Silva

Second: Assaf Kasher

Result: The motion is passed (8 Yes; 0 No; 0 Abstain)

1. The next teleconference call is scheduled at 10:00am ET on February 5 (Wednesday).
2. Meeting adjourned at 10:32am ET.

**Appendix A: January 29, 2020, 10:00am ET Conference Call Attendance Log**

**Name and Affiliation:**

* Edward Au (Huawei)
* Cheng Chen (Intel)
* Nelson Costa (Peraso)
* Claudio da Silva (Intel)
* Alecsander Eitan (Qualcomm)
* Assaf Kasher (Qualcomm)
* Sang Kim (LGE)
* Al Petrick (InterDigital)
* Li-Hsiang Sun (InterDigital)
* Solomon Trainin (Qualcomm)
* Rui Yang (InterDigital)

**Wednesday, February 5, 2020, Conference Call Session (10:00-11:30 ET)**

1. The IEEE 802.11ay task group meeting was called to order at 10:01am ET by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-20/0239r3 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0239-03-00ay-task-group-ay-january-february-and-march-2020-teleconference-call-agendas.ppt>).
3. TGay is operating as the Comment Resolution Committee (CRC) for P802.11ay.
4. Chair reviewed the IEEE-SA patent policy, participation in IEEE 802 meetings, logistics, and reminders on Task Group rules, including meeting guidelines and attendance recording procedures (slides 4-12)
	1. Chair asked if anyone has any questions about the IEEE-SA patent policy, participation in IEEE 802 meetings, logistics or reminders. No questions.
	2. Chair asked if anybody has any disclosures related to the patent policy. None.
	3. Chair asked if there were any questions on any of the above items. None.
	4. Chair reminded all to record their attendance.
	5. Chair reminded all to upload their presentations
5. Chair reviewed the meeting agenda for the conference call (slide 20).
6. Comment Resolution
	1. Presentation by Lei Huang (Panasonic), SA Ballot CR on CID 6160, 6209, 6212, Doc. IEEE 11-20/0271r1 (https://mentor.ieee.org/802.11/dcn/20/11-20-0271-01-00ay-sa-ballot-cr-on-cid-6160-6209-6212.docx).
		1. Opened the floor for discussion. No comment received.
		2. Members do not have any technical concern on the following 3 CIDs as proposed in 20/0271r1, namely 6160, 6209, and 6212. No straw poll is taken, and these CIDs are ready for motion in the next teleconference call.
	2. Presentation by Solomon Trainin (Qualcomm), Resolution of SB000 CIDs 6118, 6119, 6202, 6210, 6221, 6224, Doc. IEEE 11-20/0267r0 (https://mentor.ieee.org/802.11/dcn/20/11-20-0267-00-00ay-resolution-of-sb000-cids-6118-6119-6202-6210-6221-6224.docx).
		1. Opened the floor for discussion.
		2. The proposed resolution of CID 6221 is updated from Revised to Rejected because there is no change proposed to the draft. No further comment received on the other CIDs.
		3. Members do not have any technical concern on the following 6 CIDs as proposed in 20/0267r1 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0267-01-00ay-resolution-of-sb000-cids-6118-6119-6202-6210-6221-6224.docx>), namely 6118, 6119, 6202, 6210, 6221, 6224. No straw poll is taken, and these CIDs are ready for motion in the next teleconference call.
7. Motion
	1. Motion #643. Comment Resolution. Move to accept the comment resolution for CIDs 6110, 6111, 6112, 6113, and 6114 as proposed in 20/0157r1.

Move: Solomon Trainin

Second: Claudio da Silva

Result: The motion is passed (11 Yes; 0 No; 0 Abstain)

1. The next teleconference call is scheduled at 10:00am ET on February 12 (Wednesday).
2. Meeting adjourned at 10:42am ET.

**Appendix B: February 5, 2020, 10:00am ET Conference Call Attendance Log**

**Name and Affiliation:**

* Edward Au (Huawei)
* Nelson Costa (Peraso)
* Claudio da Silva (Intel)
* Chris Hansen (Peraso)
* Lei Huang (Panasonic)
* Sang Kim (LGE)
* Hiroyuki Motozuka (Panasonic)
* Takenori Sakamoto (Panasonic)
* Li-Hsiang Sun (InterDigital)
* Payam Torab (Facebook)
* Solomon Trainin (Qualcomm)
* Rui Yang (InterDigital)

**Wednesday, February 12, 2020, Conference Call Session (10:00-11:30 ET)**

1. The IEEE 802.11ay task group meeting was called to order at 10:00am ET by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-20/0239r5 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0239-05-00ay-task-group-ay-january-february-and-march-2020-teleconference-call-agendas.ppt>).
3. TGay is operating as the Comment Resolution Committee (CRC) for P802.11ay.
4. Chair reviewed the IEEE-SA patent policy, participation in IEEE 802 meetings, logistics, and reminders on Task Group rules, including meeting guidelines and attendance recording procedures (slides 4-12)
	1. Chair asked if anyone has any questions about the IEEE-SA patent policy, participation in IEEE 802 meetings, logistics or reminders. No questions.
	2. Chair asked if anybody has any disclosures related to the patent policy. None.
	3. Chair asked if there were any questions on any of the above items. None.
	4. Chair reminded all to record their attendance.
	5. Chair reminded all to upload their presentations
5. Chair reviewed the meeting agenda for the conference call (slide 22).
6. Comment Resolution
	1. Presentation by Kazuyuki Sakoda (Sony), Suggested resolution to CID 6121, 6122, and 6123, Doc. IEEE 11-20/0209r0 (https://mentor.ieee.org/802.11/dcn/20/11-20-0209-00-00ay-suggested-resolution-to-cid-6121-6122-and-6123.docx).
		1. Opened the floor for discussion.
		2. For CID 6123, more discussion is needed to update the list of MAC features.
		3. For CID 6122, there is no objection to continue using the term “TDD channel access”. Kazuyuki will craft a rejection reason for the task group to consider.
		4. For CID 6121, there is no objection to not implement the proposed scheme as required by the commenter because the task group believes that it may have a significant change to the contents of the existing draft amendment. Kazuyuki will craft a rejection reason for the task group to consider.
	2. Presentation by Claudio da Silva (Intel), Initial SA ballot comment resolution, Doc. IEEE 11-20/0327r0 (https://mentor.ieee.org/802.11/dcn/20/11-20-0327-00-00ay-initial-sa-ballot-comment-resolution.docx).
		1. Opened the floor for discussion.
		2. For CID 6116, the proposed resolution is updated from REVISED to ACCEPT.
		3. For CIDs 6181 and 6195, more discussion is needed.
		4. Members do not have any technical concern on the following 5 CIDs as proposed in 20/0327r1 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0327-01-00ay-initial-sa-ballot-comment-resolution.docx>), namely 6116, 6174, 6175, 6176, and 6179. No straw poll is taken, and these CIDs are ready for motion in the next teleconference call.
7. Motions
	1. Motion #644. Comment Resolution. Move to accept the comment resolution for CIDs 6160, 6209, and 6212 as proposed in 20/0271r1.

Move: Lei Huang

Second: Solomon Trainin

Result: The motion is passed (13 Yes; 0 No; 0 Abstain)

* 1. Motion #645. Comment Resolution. Move to accept the comment resolution for CIDs 6118, 6119, 6202, 6210, 6221, and 6224 as proposed in 20/0267r1.

Move: Solomon Trainin

Second: Alecsander Eitan

Result: The motion is passed (13 Yes; 0 No; 0 Abstain)

1. The next teleconference call is scheduled at 10:00am ET on February 19 (Wednesday).
2. Meeting adjourned at 11:15am ET.

**Appendix C: February 12, 2020, 10:00am ET Conference Call Attendance Log**

**Name and Affiliation:**

* Edward Au (Huawei)
* Carlos Cordeiro (Intel)
* Nelson Costa (Peraso)
* Claudio da Silva (Intel)
* Alecsander Eitan (Qualcomm)
* Chris Hansen (Peraso)
* Lei Huang (Panasonic)
* Assaf Kasher (Qualcomm)
* Sang Kim (LGE)
* Hiroyuki Motozuka (Panasonic)
* Al Petrick (InterDigital)
* Kazuyuki Sakoda (Sony)
* Li-Hsiang Sun (InterDigital)
* Solomon Trainin (Qualcomm)
* Yan Xin (Huawei)
* Rui Yang (InterDigital)

**Wednesday, February 26, 2020, Conference Call Session (10:00-11:30 ET)**

1. The IEEE 802.11ay task group meeting was called to order at 10:00am ET by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-20/0239r8 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0239-08-00ay-task-group-ay-january-february-and-march-2020-teleconference-call-agendas.ppt>).
3. TGay is operating as the Comment Resolution Committee (CRC) for P802.11ay.
4. Chair reviewed the IEEE-SA patent policy, participation in IEEE 802 meetings, logistics, and reminders on Task Group rules, including meeting guidelines and attendance recording procedures (slides 4-12)
	1. Chair asked if anyone has any questions about the IEEE-SA patent policy, participation in IEEE 802 meetings, logistics or reminders. No questions.
	2. Chair asked if anybody has any disclosures related to the patent policy. None.
	3. Chair asked if there were any questions on any of the above items. None.
	4. Chair reminded all to record their attendance.
	5. Chair reminded all to upload their presentations
5. Chair reviewed the meeting agenda for the conference call (slide 25). Chair noted that the latest version of the contribution 20/0345 is now revision 1. The agenda has been updated accordingly. There is no objection to approve the revised agenda with unanimous consent.

1. Comment Resolution
	1. Presentation by Claudio da Silva (Intel), Initial SA ballot comment resolution, Doc. IEEE 11-20/0327r1 (https://mentor.ieee.org/802.11/dcn/20/11-20-0327-01-00ay-initial-sa-ballot-comment-resolution.docx).
		1. Opened the floor for discussion on the revised proposed resolution for CIDs 6181 and 6195.
		2. Members do not have any technical concern on CIDs 6181 and 6195 as proposed in 20/0327r1. No straw poll is taken, and these CIDs are ready for motion in the next teleconference call.
	2. Presentation by Takenori Sakamoto (Panasonic), Comment resolution on CID 6216, Doc. IEEE 11-20/0345r1 (https://mentor.ieee.org/802.11/dcn/20/11-20-0345-01-00ay-comment-resolution-on-cid-6216.docx).
		1. Opened the floor for discussion on the revised proposed resolution, including the Venn diagram as shown in <http://www.ieee802.org/11/email/stds-802-11-tgay/msg00921.html>. There are comments that the definition on PPDUs of different STAs is clear but the definition on different STAs may cause confusion.
		2. More discussion is needed. Sakamoto-san will work with Joseph Levy (InterDigital) and Solomon Trainin (Qualcomm) offline on a proposed way forward option on this CID.
	3. Presentation by Chris Hansen (Peraso), Resolution to CID 6154, Doc. IEEE 11-20/0347r0 (https://mentor.ieee.org/802.11/dcn/20/11-20-0347-00-00ay-resolution-to-cid-6154.docx).
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on CID 6154 as proposed in 20/0327r1. No straw poll is taken, and this CID is ready for motion in the next teleconference call.
	4. Presentation by Assaf Kasher (Qualcomm), Resolution to some TGay SB000 CIDs v1, Doc. IEEE 11-20/0353r0 (https://mentor.ieee.org/802.11/dcn/20/11-20-0353-00-00ay-resolution-to-some-tgay-sb000-cids-v1.docx).
		1. Opened the floor for discussion.
		2. There are minor update on the proposed resolution for CIDs 6101 and 6182.
		3. Members do not have any technical concern on the following 7 CIDs as proposed in 20/0353r1 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0353-01-00ay-resolution-to-some-tgay-sb000-cids-v1.docx>), namely 6101, 6182, 6191, 6192, 6217, 6218, and 6219. No straw poll is taken, and these CIDs are ready for motion in the next teleconference call.
2. Motions
	1. Motion #646. Comment Resolution. Move to accept the comment resolution for CIDs 6116, 6174, 6175, 6176, and 6179 as proposed in 20/0327r1.

Move: Claudio da Silva

Second: Solomon Trainin

Result: The motion is passed (12 Yes; 0 No; 0 Abstain)

1. The next teleconference call is scheduled at 10:00am ET on March 11 (Wednesday).
2. Meeting adjourned at 11:22am ET.

**Appendix D: February 26, 2020, 10:00am ET Conference Call Attendance Log**

**Name and Affiliation:**

* Edward Au (Huawei)
* Nelson Costa (Peraso)
* Claudio da Silva (Intel)
* Alecsander Eitan (Qualcomm)
* Chris Hansen (Peraso)
* Assaf Kasher (Qualcomm)
* Sang Kim (LGE)
* Joseph Levy (InterDigital)
* Takenori Sakamoto (Panasonic)
* Li-Hsiang Sun (InterDigital)
* Solomon Trainin (Qualcomm)
* Yan Xin (Huawei)
* Rui Yang (InterDigital)

**Wednesday, March 11, 2020, Conference Call Session (10:00-11:30 ET)**

1. The IEEE 802.11ay task group meeting was called to order at 10:00am ET by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-20/0239r11 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0239-11-00ay-task-group-ay-january-february-and-march-2020-teleconference-call-agendas.ppt>).
3. TGay is operating as the Comment Resolution Committee (CRC) for P802.11ay.
4. Chair reviewed the IEEE-SA patent policy, participation in IEEE 802 meetings, logistics, and reminders on Task Group rules, including meeting guidelines and attendance recording procedures (slides 4-12)
	1. Chair asked if anyone has any questions about the IEEE-SA patent policy, participation in IEEE 802 meetings, logistics or reminders. No questions.
	2. Chair asked if anybody has any disclosures related to the patent policy. None.
	3. Chair asked if there were any questions on any of the above items. None.
	4. Chair reminded all to record their attendance.
	5. Chair reminded all to upload their presentations
5. Chair reviewed the meeting agenda for the conference call (slide 27).
6. Comment Resolution
	1. Presentation by Solomon Trainin (Qualcomm), MSDU size extension CID 6115, 6234, Doc. IEEE 11-20/0242r1 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0242-01-00ay-msdu-size-extension-cid-6115-6234.docx>).
		1. With respect to revision 0, the update in revision 1 is solely on the addition of the following paragraph in the discussion: “Without the SAR agreement limit of the MSDU size may be established between the communicating STA by the TSPEC element (9.4.2.29 TSPEC element). The element contains the Maximum MSDU size field and Nominal MSDU size subfield. The Maximum MSDU size field is the unsigned value of 16 bits range and the Nominal MSDU size subfield is of 15 bits range. The Maximum MSDU size and the Nominal MSDU size subfield are compliant with the newly established MPDU limit subfield.”
		2. Opened the floor for discussion.
		3. Members do not have any technical concern on the proposed resolution for CIDs 6115 and 6234 as proposed in 20/0242r1.
		4. Action items: Solomon to check with Payam Torab (Facebook) and see if there is any further update on the proposed resolution. Li-Hsiang Sun (InterDigital) to further discuss with Solomon offline and see if there is any further concern on the capability of the CRC for error detection.
		5. If there is no concern resulting from these action items, the CID will be ready for motion in the next teleconference call.
7. Motions
	1. Motion #647. Comment Resolution. Move to accept the comment resolution for CID 6154 as proposed in 20/0347r0.

Move: Chris Hansen

Second: Nelson Costa

Result: The motion is passed (12 Yes; 0 No; 0 Abstain)

* 1. Motion #648. Comment Resolution. Move to accept the comment resolution for CIDs 6101, 6182, 6191, 6192, 6217, 6218, and 6219 as proposed in 20/0353r1.

Move: Alecsander Eitan

Second: Edward Au

Result: The motion is passed with unanimous consent.

* 1. Motion #649. Comment Resolution. Move to accept the comment resolution for CIDs 6181 and 6195 as proposed in 20/0327r1.

Move: Claudio da Silva

Second: Solomon Trainin

Result: The motion is passed with unanimous consent.

1. The next teleconference call is scheduled at 10:00am ET on March 25 (Wednesday).
2. Meeting adjourned at 10:48am ET.

**Appendix E: March 11 2020, 10:00am ET Conference Call Attendance Log**

**Name and Affiliation:**

* Edward Au (Huawei)
* Nelson Costa (Peraso)
* Claudio da Silva (Intel)
* Alecsander Eitan (Qualcomm)
* Chris Hansen (Peraso)
* Assaf Kasher (Qualcomm)
* Sang Kim (LGE)
* Hiroyuki Motozuka (Panasonic)
* Al Petrick (InterDigital)
* Takenori Sakamoto (Panasonic)
* Li-Hsiang Sun (InterDigital)
* Solomon Trainin (Qualcomm)
* Yan Xin (Huawei)
* Rui Yang (InterDigital)