IEEE P802.11
Wireless LANs

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| IEEE 802.11 Task Group AYSeptember 2019 Hanoi Meeting Minutes |
| Date: 2019-09-19 |
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Abstract

Task Group AY meeting minutes from the IEEE 802.11 September 2019 Hanoi interim session, September 15-20, 2019.

**IEEE 802.11 Task Group AY**

**September 2019 Hanoi Interim Meeting**

**September 15-20, 2019**

**Monday, September 17, 2019, AM2 Session (10:00-12:00)**

Attendance: around 25 people

1. The IEEE 802.11ay task group meeting was called to order at 10:01 by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-19/1384r2 (<https://mentor.ieee.org/802.11/dcn/19/11-19-1384-02-00ay-task-group-ay-september-2019-meeting-agenda.ppt>).
3. Chair introduced the TG leadership: Vice Chair: Sang Kim (LG Electronics), Secretary: Jeorge Hurtarte (LitePoint), and Editor: Carlos Cordeiro (Intel)
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 4-11)
	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 time slots and locations for the week (see slide 13 of the agenda document).
6. Chair proceeded to discuss the agenda items for the Tuesday, September 17, 2019, Tuesday AM2 session (slide 15) and asked if anyone wants to add any additional agenda items (none).
7. Chair proceeded to discuss the agenda items for the week (slide 16) and asked if anyone wants to add any additional agenda items (none).
8. Chair reviewed the progress of the Task Group AY and a list of contributions discussed in the teleconference calls (slides 17-19).
9. Chair reviewed Task Group Documents (slides 20-21) and the historical ballot results (slide 22).
10. Motion #627: Move to approve Task Group AY minutes of meetings from the July 2019 plenary meeting:

<https://mentor.ieee.org/802.11/dcn/19/11-19-1328-00-00ay-tg-ay-july-2019-vienna-meeting-minutes.docx>

* 1. Move: Assaf Kasher
	2. Second: Sang Kim
	3. No objections noted. Unanimous consent.
	4. The September 2019 interim meeting minutes were approved.
1. Motion #628: Move to approve Task Group AY minutes of the teleconference calls on July 31, August 28, and September 4, 2019:

<https://mentor.ieee.org/802.11/dcn/19/11-19-1383-00-00ay-tg-ay-july-31-2019-conference-call-meeting-minutes.docx>

<https://mentor.ieee.org/802.11/dcn/19/11-19-1462-00-00ay-tg-ay-august-28-2019-conference-call-meeting-minutes.docx>

<https://mentor.ieee.org/802.11/dcn/19/11-19-1477-00-00ay-tg-ay-september-4-2019-conference-call-meeting-minutes.docx>

* 1. Move: Assaf Kasher
	2. Second: Sang Kim
	3. No objections noted. Unanimous consent.
	4. The teleconference call meeting minutes were approved.
1. Motions
	1. Motion #629. Comment resolution. Move to accept the comment resolution for CIDs 5054 and 5055 as proposed in 19/1375r0.
		1. Move: Motozuka Hiroyuki
		2. Second: Sang Kim
		3. Result: The motion is passed (15 Yes; 0 No; 0 Abstain).
	2. Motion #630. Comment resolution. Move to accept the comment resolution for CID 5027 as proposed in 19/1379r0.
		1. Move: Motozuka Hiroyuki
		2. Second: Sang Kim
		3. Result: The motion is passed (16 Yes; 0 No; 0 Abstain).
	3. Motion #631. Comment resolution. Move to accept the comment resolution for CID 5059 as proposed in 19/1421r1.
		1. Move: Assaf Kasher
		2. Second: Alecsander Eitan
		3. Result: The motion is passed (16 Yes; 0 No; 0 Abstain).
	4. Motion #632. Revised Comment resolution. Move to accept the revised comment resolution for CID 5005 from Accepted to Revised with the following resolution: Replace Table 9-234 with Table 9-256.
		1. Move: Carlos Cordeiro
		2. Second: Sang Kim
		3. Result: The motion is passed (16 Yes; 0 No; 0 Abstain).
	5. Motion #633. Revised Comment resolution. Move to accept the revised comment resolution for CID 5006 from Accepted to Revised with the following resolution: Replace Table 9-235 with Table 9-257.
		1. Move: Carlos Cordeiro
		2. Second: Sang Kim
		3. Result: The motion is passed (16 Yes; 0 No; 0 Abstain).
2. Chair reviewed the submissions scheduled for the week (slide 30).
3. Chair reviewed the agenda setting for the week (slide 31).
4. Chair reviewed the timeline the task group approved in the July 2019 plenary (slide 32) and the requirement on recirculation of an unchanged draft before we can conduct the first Standards Association (SA) technical letter ballot (slide 33). Discussion takes place. Chair will provide an updated timeline for the task group to consider on Wednesday AM1.
5. Comment Resolutions
	1. Chris Hansen (Peraso) provided an update on the discussion on the proposed resolution for CID 5058 as proposed in 19/1440r1 (<https://mentor.ieee.org/802.11/dcn/19/11-19-1440-01-00ay-proposed-resolution-to-cid-5058.docx>). There is no further comment and the CID is ready for motion on Wednesday AM1.
	2. Chris Hansen (Peraso) provided an update on the discussion on the proposed revised resolution for CID 5061 as proposed in 19/1467r0 (<https://mentor.ieee.org/802.11/dcn/19/11-19-1467-00-00ay-revised-resolution-of-cid5061.docx>). There is no further comment and the CID is ready for motion on Wednesday AM1.
	3. Presentation by Thomas Handte (Sony), STBC bug fix in OFDM PHY, Doc. IEEE 11-19/1602r0 (<https://mentor.ieee.org/802.11/dcn/19/11-19-1602-00-00ay-stbc-bug-fix-in-ofdm-phy.docx>).
		1. Opened floor for discussion.
		2. No straw poll is taken, and this contribution is ready for motion on Wednesday AM1.
6. Presentation
	1. Presentation by Payam Torab (Facebook), DMG STA directional transmit activity report frame, Doc. IEEE 11-19/1514r0 (<https://mentor.ieee.org/802.11/dcn/19/11-19-1514-00-00ay-dmg-sta-directional-transmit-activity-report-frame.pptx>).
		1. Opened floor for discussion.
7. Meeting recessed at 11:58 and will resume on Wednesday AM1.

**Wednesday, September 18, 2019, AM1 Session (08:00-10:00)**

Attendance: around 20 people

1. The IEEE 802.11ay task group meeting was called to order at 08:01 by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-19/1384r3 (<https://mentor.ieee.org/802.11/dcn/19/11-19-1384-03-00ay-task-group-ay-september-2019-meeting-agenda.ppt>).
3. Chair introduced the TG leadership: Vice Chair: Sang Kim (LG Electronics), Secretary: Jeorge Hurtarte (LitePoint), and Editor: Carlos Cordeiro (Intel)
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 4-11)
	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. Motions
	1. Motion #634. Comment resolution. Move to accept the comment resolution for CID 5058 as proposed in 19/1440r1.
		1. Move: Alecsander Eitan
		2. Second: Assaf Kasher
		3. Result: The motion is passed (11 Yes; 0 No; 0 Abstain).
	2. Motion #635. Revised comment resolution. Move to accept the comment resolution for CID 5061 as proposed in 19/1467r0.
		1. Move: Alecsander Eitan
		2. Second: Assaf Kasher
		3. Result: The motion is passed (11 Yes; 0 No; 0 Abstain).
	3. Motion #636. Bug fixes. Move to incorporate the proposed changes in 19/1602r0 into Draft 4.1 of the IEEE 802.11ay amendment.
		1. Move: Thomas Handte
		2. Second: Alecsander Eitan
		3. Result: The motion is passed (13 Yes; 0 No; 0 Abstain).
6. Chair reviewed the tentative revised timeline with the task group (slide 44). There is no objection in adopting the proposed timeline.
7. Draft readiness for recirculation working group letter ballot.
	1. Motion #637. Recirculation WGLB. Having approved changes to P802.11ay D4.0 as defined in 11-19-1180r5, instruct the editor to prepare P802.11ay D5.0 and approve a 15 day Working Group Technical Letter Ballot asking the question “Should P802.11ay D5.0 be forwarded to Standards Association (SA) Ballot?”
		1. Move: Claudio da Silva
		2. Second: Assaf Kasher
		3. Result: The motion is passed (15 Yes; 0 No; 0 Abstain).
	2. Chair will request to the Working Group that the recirculation working group letter ballot be conducted only after P802.11REVmd Draft 3.0 is published.

1. Chair discussed the goals for the November 2019 plenary meeting (slide 46).
2. Chair did not plan to organize any teleconference call between now and the beginning of the November 2019 plenary. Any member can request the Chair to organize one provided that Chair needs to inform the task group 10 days in advance.
3. Presentation
	1. Presentation by Payam Torab (Facebook), TDD beamforming configuration, Doc. IEEE 11-19/1517r0 (<https://mentor.ieee.org/802.11/dcn/19/11-19-1517-00-00ay-tdd-beamforming-configuration.pptx>).
		1. Opened floor for discussion.
4. Chair asked if there are any more agenda items to discuss during this meeting. None.
5. Chair asked if there are any objections to adjourn the meeting. None.
6. The Task Group AY September 2019 Hanoi interim meeting was adjourned on September 18, 2019 at 09:18.