IEEE P802.11
Wireless LANs

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| IEEE 802.11 Task Group AYMarch and April 2017 Conference Meeting Minutes |
| Date: 2017-04-26 |
| Author: |
| Name | Affiliation | Address | Phone | email |
| Edward Au | Huawei | 303 Terry Fox Drive, Suite 400,Ottawa, ON, K2K 3J1, Canada |  | edward.ks.au@huawei.com |

Abstract

Task Group AY meeting minutes from the IEEE 802.11 conference call session on March 29, 2017, April 12, and April 26, 2017.

**IEEE 802.11 Task Group AY**

**March 29, 2017 Conference Call Meeting**

**Wednesday, March 29, 2017, Conference Call Session (10:00-11:00 ET)**

1. The IEEE 802.11ay task group meeting was called to order at 10:00 ET by the Chair, Edward Au (Huawei).
2. Chair introduced himself and AY leadership.
3. Agenda Doc. IEEE 802.11-17/0527r2
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.
	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 by sending an email to chair and secretary.
5. Chair reviewed the list of task group documents (slides 13 and 14)
6. Chair reviewed the meeting agenda for the conference call (slide 15).
7. Presentations
	1. Presentation by Artyom Lomayev (Intel), 30.5.8 Non-EDMG Duplicate Transmission for SC PHY, Doc. IEEE 11-17/0525r1.
		1. Opened the floor for discussion.
		2. Straw Poll #1. Do you agree to include the text for subclause “30.5.8 Non-EDMG Duplicate Transmission” proposed in (11-17-0525-01-00ay 30 5 8 Non-EDMG Duplicate Transmission for SC PHY) to the spec draft?
			1. Chair asked if there is any member who votes no or abstain. None
			2. Chair asked if there is any objection to approve the straw poll with unanimous consent. None.
			3. Straw poll passed.
	2. Presentation by Cheng Chen (Intel), MIMO Channel Access for 11ay, Doc. IEEE 11-17/0522r0 and Draft Text for MIMO Channel Access, Doc. IEEE 11-17-0523r0.
		1. Opened the floor for discussion.
			1. A member asks if there is any simulation result to support the recommendation of Option 2.
		2. Straw Poll #1. Do you agree to insert the following text in the spec draft: IEEE 802.11-17/0523r1 Draft Text for MIMO Channel Access.docx?
			1. A member asks if the straw poll can be deferred because the benefit for Option 2 is not clear given there is no simulation result to support. The presenter prefers to continue running the straw poll.
			2. Chair asked if there is any member who votes no or abstain. Yes
			3. Straw poll passed (Yes: apparent majority; No: 3; Abstain: 7)
			4. Note that there are 37 members when the straw poll starts, and there are only 34 members when the straw poll finishes.
8. Chair asks if there are any more agenda items to discuss. None.
9. Chair reminded all to send an email to chair or secretary in order to record their attendance.
10. Meeting adjourned at 10:59 ET.

**Appendix A: March 29, 2017, 10:00 a.m. ET Conference Call Attendance Log**

**Name and Affiliation:**

* Edward Au (Huawei)
* Osama Aboul-Magd (Huawei)
* Anuj Batra (Apple)
* Ilya Bolotin (Intel)
* Cheng Chen (Intel)
* Allen Heberling (Tensorcom)
* Jiamin Chen (HiSilicon)
* Claudio da Silva (Intel)
* Alecsander Eitan (Qualcomm)
* Chris Hansen (Peraso)
* Dzevdan Kapetanovic (Ericsson)
* Assaf Kasher (Qualcomm)
* Oten Kedem (Intel)
* Geonjung Ko (WILUS)
* Jinnan Liu (Huawei)
* Artyom Lomayev (Intel)
* Kome Oteri (InterDigital)
* Alphan Sahin (InterDigital)
* John Son (WILUS)
* Li-Hsiang Sun (InterDigital)
* Xiaofei Wang (InterDigital)
* Rui Yang (InterDigital)
* SK Yong (Apple)

**IEEE 802.11 Task Group AY**

**April 12, 2017 Conference Call Meeting**

**Wednesday, April 12, 2017, Conference Call Session (10:00-11:00 ET)**

1. The IEEE 802.11ay task group meeting was called to order at 10:00 ET by the Chair, Edward Au (Huawei).
2. Chair introduced himself and AY leadership.
3. Agenda Doc. IEEE 802.11-17/0542r1
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.
	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 by sending an email to chair and secretary.
5. Chair reviewed the list of task group documents (slides 13 and 14)
6. Chair reviewed the meeting agenda for the conference call (slide 15).
7. Presentations
	1. Presentation by Lei Huang (Panasonic), MIMO phase of SU-MIMO and MU-MIMO Beamforming, Doc. IEEE 11-17/0540r2, and CR on MIMO phase of SU-MIMO and MU-MIMO beamforming, Doc. IEEE 11-17/0541r2.
		1. Opened the floor for discussion.
		2. Straw Poll #1. Do you agree to incorporate the proposed changes on the MIMO phase of SU-MIMO beamforming and MU-MIMO beamforming as shown in IEEE 802.11-17/0541r2 into the next draft 11ay specification?
			1. Chair asked if there is any member who votes no or abstain. None
			2. Chair asked if there is any objection to approve the straw poll with unanimous consent. None.
			3. Straw poll passed.
	2. Presentation by Artyom Lomayev (Intel), Block Interleaver Design for SC PHY in 11ay, Doc. IEEE 11-17/0589r0, and 30.5.6.4.4 Block Interleaver for SC Mode, Doc. IEEE 11-17/0588r0.
		1. Opened the floor for discussion.
		2. Straw Poll #2. Do you agree to include the text from (11-17-0588-00-00ay 30 5 6 4 4 Block Interleaver for SC mode) defining SC block interleaver for 64QAM/64NUC to the spec draft?
			1. Chair asked if there is any member who votes no or abstain. None
			2. Chair asked if there is any objection to approve the straw poll with unanimous consent. None.
			3. Straw poll passed.
8. Since it takes longer than expected for the presentation on Doc. 11-17/0589r0 and 11-17/0588r0, the presentation on Doc. 11-17/0587r0 and 11-17/0590r0 will be postponed to the call on April 26. Chair also reminded all to send an email to chair or secretary in order to record their attendance.
9. Meeting adjourned at 10:56 ET.

**Appendix A: April 12, 2017, 10:00 a.m. ET Conference Call Attendance Log**

**Name and Affiliation:**

* Edward Au (Huawei)
* George Calcev (Huawei)
* Jiamin Chen (HiSilicon)
* Claudio da Silva (Intel)
* Lei Huang (Panasonic)
* Assaf Kasher (Qualcomm)
* Artyom Lomayev (Intel)
* Hanqing Lou (InterDigital)
* Alexander Maltsev (Intel)
* Hiroyuki Motozuka (Panasonic)
* Paul Nikolich (Self)
* Kome Oteri (InterDigital)
* Alphan Sahin (InterDigital)
* Li-Hsiang Sun (InterDigital)
* Rui Yang (InterDigital)

**IEEE 802.11 Task Group AY**

**April 26, 2017 Conference Call Meeting**

**Wednesday, April 26, 2017, Conference Call Session (10:00-11:00 ET)**

1. The IEEE 802.11ay task group meeting was called to order at 10:00 ET by the Chair, Edward Au (Huawei).
2. Chair introduced himself and AY leadership.
3. Agenda Doc. IEEE 802.11-17/0593r1
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.
	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 by sending an email to chair and secretary.
5. Chair reviewed the list of task group documents (slides 13 and 14)
6. Chair reviewed the meeting agenda for the conference call (slide 15).
7. Presentations
	1. Presentation by Artyom Lomayev (Intel), Space Time Block Coding for SC PHY in 11ay, Doc. IEEE 11-17/0590r0, and 30.5.6.4.3 Space Time Block Coding (STBC), Doc. IEEE 11-17/0587r0.
		1. Opened the floor for discussion.
		2. Straw Poll #1. Do you agree to include the text from (11-17-0587-00-00ay 30 5 6 4 3 Space Time Block Coding) defining SC STBC scheme to the spec draft?
			1. Chair asked if there is any member who votes no or abstain. None
			2. Chair asked if there is any objection to approve the straw poll with unanimous consent. None.
			3. Straw poll passed.
	2. Presentation by Artyom Lomayev (Intel), OFDM Signal Parameters Definition in 11ay, Doc. IEEE 11-17/0594r1, and 30.6.1 OFDM Signal Parameters, Doc. IEEE 11-17/0597r1.
		1. Opened the floor for discussion.
		2. Straw poll will be considered at the beginning of the call on May 3.
8. Chair reminded the group that the comment collection period for D0.3 ends at 23:59 ET on April 30. An 1.5-hour teleconference call is organized at 10:00 ET on May 3 for comment assignment.
9. Meeting adjourned at 10:58 ET.

**Appendix A: April 26, 2017, 10:00 a.m. ET Conference Call Attendance Log**

**Name and Affiliation:**

* Edward Au (Huawei)
* Osama Aboul-Magd (Huawei)
* Ilya Bolotin (Intel)
* Carlos Cordeiro (Intel)
* Claudio da Silva (Intel)
* Dzevdan Kapetanovic (Ericsson)
* Assaf Kasher (Qualcomm)
* Alexander Kostin
* Artyom Lomayev (Intel)
* Hiroyuki Motozuka (Panasonic)
* Kome Oteri (InterDigital)
* Alphan Sahin (InterDigital)
* Li-Hsiang Sun (InterDigital)
* Yan Xin (Huawei)
* Rui Yang (InterDigital)