IEEE P802.11
Wireless LANs

|  |
| --- |
| IEEE 802.11 Task Group AYDecember 2018 Conference Meeting Minutes |
| Date: 2018-12-198 |
| Author: |
| Name | Affiliation | Address | Phone | email |
| Edward Au | Huawei Technologies | 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 sessions on December 5 and 19, 2018.

**IEEE 802.11 Task Group AY**

**December 2018 Conference Call Meeting**

**Wednesday, December 5, 2018, 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 802.11-18/2096r1.
3. Chair reviewed the IEEE-SA patent policy, 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, 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.
4. Chair provided a reminder on making changes to the approved draft (slide 10).
5. Chair reviewed the meeting agenda for the conference call (slide 11). 18/2095r0 will be presented by Assaf Kasher (Qualcomm).
6. Technical presentation
	1. Presentation by Alecsander Eitan (Qualcomm), WLAN radar, Doc. IEEE 11-18/2094r0.
		1. Opened the floor for discussion.
			1. Comment: What is the motivation for standardization? There is no need for interoperability among different radars.
			2. Response: To ensure coexistence.
			3. Comment: Why don’t the authors bring this topic earlier to the task group when we work on the initial draft and coexistence assurance document? Why don’t you present it to IEEE 802.19?
			4. Response: It is a relatively new topic.
			5. Comment: Is self-cancellation method required for mmWave radar?
			6. Response: It depends on the range requirement.
	2. Presentation by Assaf Kasher (Qualcomm), WLAN radar annex, Doc. IEEE 11-18/2095r0.
		1. Opened the floor for discussion.
			1. Comment: People implement radar by using whatever technologies they want. Radar may not be co-located closely with DMG and EDMG devices. Why do we need the proposed rules?
			2. Response: For coexistence. To educate radar developers to be friendly with DMG/EDMG devices.
			3. Comment: Is the task group the right place to consider mmWave radar? Why not IEEE 802.11md given the IEEE 802.11md amendment shall be published before the IEEE 802.11ay amendment? Why not considering another working group in IEEE 802?
			4. Response: Per the revised timeline of the task group, the IEEE 802.11ay amendment will be published immediately after the IEEE 802.11md amendment. Further, there is no content on EDMG in the draft IEEE 802.11md amendment. Also we have experts in DMG and EDMG in this task group.
			5. Comment: It is an interesting topic. There was proceedings in FCC in the past on mmWave radar. There is no new changes required in the draft IEEE 802.11ay amendment and there is no extra requirement imposed on the amendment too. It does offer IEEE 802.11 to support radar implementation.
			6. Comment: Does not think the proposed text in clause 10.43.1 is necessary because the proposed text in item a) of the example is sufficient enough. Do suggest to insert text in clause 4 for a more general description of the mmWave radar.
			7. Comment: Do not fully agree that any radar signal be transmitted after using CTS-to-Self to set the NAV. Can argue that the other STAs may wake up during the transmission of the radar SSW and coexistence can be ensured by setting RA equal to TA and let TRN\_LEN or EDMG\_TRN\_LEN to a non-zero value.
7. Chris Hansen (Peraso) decides to withdraw his agenda request on 11/1625r2.
8. The next teleconference call is confirmed and held at 10:00am ET on October 10 (Wednesday).
9. Meeting adjourned at 11:26am ET.

**Appendix A: December 5, 2018, 10:00am ET Conference Call Attendance Log**

**Name and Affiliation:**

* Edward Au (Huawei)
* Marc Bauduin (IMEC)
* Ilya Bolotin (Intel)
* George Calcev (Huawei)
* Cheng Chen (Intel)
* Dana Ciochina (Sony)
* Carlos Cordeiro (Intel)
* Nelson Costa (Peraso)
* Claudio da Silva (Intel)
* Alecsander Eitan (Qualcomm)
* Eike Friedrichs (OSRAM Gmbh)
* Xiao (Tony) Han (Huawei)
* Thomas Handte (Sony)
* Chris Hansen (Peraso)
* Assaf Kasher (Qualcomm)
* Oren Kedem (Intel)
* Artyom Lomayev (Intel)
* Kome Oteri (InterDigital)
* Aditya Padaki (Samsung)
* Al Petrick (Jones-Petrick and Associates)
* Takenori Sakamoto (Panasonic)
* Yan Xin (Huawei)
* Min Yan (Huawei)
* Xun (David) Yang (Huawei)
* Yunsong Yang (Huawei)

**IEEE 802.11 Task Group AY**

**December 2018 Conference Call Meeting**

**Wednesday, December 19, 2018, 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 802.11-18/2096r4.
3. Chair reviewed the IEEE-SA patent policy, 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, 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.
4. Chair reported that the next teleconference call on January 9 is confirmed. He also calls for comment resolution and technical presentation in the January 2019 interim.
5. Chair reviewed the meeting agenda for the conference call (slide 12). There is no comment.
6. Comment resolution
	1. Presentation by Claudio da Silva (Intel), LB234 comment resolutions – PHY and BF III, Doc. IEEE 11-18/1766r1, which provides an updated resolution for CID 3398.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the resolution for CID 3398 as proposed in 18/1766r1. No straw poll is taken, and this CID is ready for motion in the January 2019 interim.
	2. Presentation by Dejian Li (Huawei), Unsolicited RSS related CIDs, Doc. IEEE 11-18/2144r0.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the resolution for the following 4 CIDs, namely 3073, 3397, 3569, and 3570 as proposed in 18/2144r0. No straw poll is taken, and these CIDs are ready for motion in the January 2019 interim.
	3. Presentation by Solomon Trainin (Qualcomm), Resolution of CID 3055, 3066, 3353, 3409, 3410, 3562, Doc. IEEE 11-18/2067r1, which provides an updated resolution for CID 3562.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the resolution for CID 3562 as proposed in 18/2067r1. No straw poll is taken, and this CID is ready for motion in the January 2019 interim.
	4. Presentation by Solomon Trainin (Qualcomm), Secure protection of Link Measurement frames, Doc. IEEE 11-18/2120r1.
		1. Opened the floor for discussion. Questions raised on the proposed text in clause 10.44.5.
		2. Further discussion is needed on CID 3266.
	5. Presentation by Solomon Trainin (Qualcomm), Resolution of CIDs 3539, 3540, 3541, Doc. IEEE 11-18/2146r0.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the resolution for the following 3 CIDs, namely 3539, 3540, and 3541 as proposed in 18/2146r0. No straw poll is taken, and these CIDs are ready for motion in the January 2019 interim.
	6. Presentation by Assaf Kasher (Qualcomm), LB234 misc CIDs, Doc. IEEE 11-18/2147r0.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the resolution for the following 6 CIDs, namely 3373, 3374, 3690, 3032, 3206, and 3475 as proposed in 18/2147r0. No straw poll is taken, and these CIDs are ready for motion in the January 2019 interim.
	7. Presentation by Ilya Bolotin (Intel), Resolution of CIDs 3492 and 3692, Doc. IEEE 11-18/2154r0.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the resolution for the following 2 CIDs, namely 3492 and 3692 as proposed in 18/2154r0. No straw poll is taken, and these CIDs are ready for motion in the January 2019 interim.
	8. Presentation by Ilya Bolotin (Intel), Resolution of CIDs related to MU BA and RD, Doc. IEEE 11-18/2155r0.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the resolution for the following 12 CIDs, namely 3246, 3308, 3344, 3429, 3430, 3431, 3432, 3543, 3544, 3545, 3564, and 3662 as proposed in 18/2155r0. No straw poll is taken, and these CIDs are ready for motion in the January 2019 interim.

**Appendix B: December 19, 2018, 10:00am ET Conference Call Attendance Log**

**Name and Affiliation:**

* Edward Au (Huawei)
* Anuj Batra (Apple)
* Ilya Bolotin (Intel)
* George Calcev (Huawei)
* Cheng Chen (Intel)
* Carlos Cordeiro (Intel)
* Nelson Costa (Peraso)
* Claudio da Silva (Intel)
* Chris Hansen (Peraso)
* Assaf Kasher (Qualcomm)
* Oren Kedem (Intel)
* Sang Kim (LGE)
* Dejian Li (Huawei)
* Artyom Lomayev (Intel)
* Hiroyuki Motozuka (Panasonic)
* Kome Oteri (InterDigital)
* Solomon Trainin (Qualcomm)
* Yan Xin (Huawei)