IEEE P802.11
Wireless LANs

|  |
| --- |
| IEEE 802.11 Task Group AYMarch 2018 ad-hoc Meeting Minutes |
| Date: 2018-03-03 |
| 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 March 2018 ad-hoc.

**IEEE 802.11 Task Group AY**

**March 2018 ad-hoc meeting**

**Friday, March 2 (09:00-17:00 CT)**

1. The IEEE 802.11ay task group ad-hoc meeting was called to order at 09:01 CT by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-18/0351r2.
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 expressed his thanks to Rui Yang and Joe Levy (InterDigital) for their sponsorship on this ad-hoc meeting. He also expressed his thanks to Jon Rosdahl (Qualcomm), George Calcev (Huawei), Face To Face Events Inc. and Verilan for the logistics!
5. TGmd plans to include an item in the March plenary to review a TGmd submission for Annex I changes to complete the DMG OFDM PHY removal. For details, please talk to Dorothy Stanley (HPE), Chair of TGmd.
6. Chair reviewed the schedule of the ad-hoc meeting.
7. Chair reviewed the meeting agenda for the ad-hoc meeting (slides 11-14).
8. Comment Resolution
	1. Presentation by Claudio da Silva (Intel), Block interleaver and \pi/2 rotation clarification, Doc. IEEE 11-18/0345r0.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on this editorial contribution. No straw poll is taken, and this contribution is ready for motion in the March 2018 plenary.
	2. Presentation by Claudio da Silva (Intel), Clarification of the scrambler subclause, Doc. IEEE 11-18/0346r1.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on this editorial contribution. No straw poll is taken, and this contribution is ready for motion in the March 2018 plenary.
	3. Presentation by Claudio da Silva (Intel), Resolution of analog beam tracking-related CIDs II, Doc. IEEE 11-18/0392r0.
		1. Opened the floor for discussion. Edits are made during the discussion and the latest version for the review is 18/0392r1.
		2. Members do not have any technical concern on the following 7 CIDs, no straw poll is taken, and they are ready for motion in the March 2018 plenary, namely CIDs 1242, 1393, 1054, 2099, 1396, 1395, and 1490.
		3. The following CID need more discussion, namely, CID 2103.
	4. Presentation by Claudio da Silva (Intel), Resolution of BRP TXSS-related CIDs, Doc. IEEE 11-18/0393r0.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the following 11 CIDs, no straw poll is taken, and they are ready for motion in the March 2018 plenary, namely CIDs 2319, 2320, 2321, 2322, 1792, 1793, 1691, 1026, 1030, 1363, and 1367.
	5. Presentation by Claudio da Silva (Intel), Resolution of BF-related CIDs II, Doc. IEEE 11-18/0394r1.
		1. Opened the floor for discussion. Edits are made during the discussion and the latest version for the review is 18/0394r2. Per a member’s comment, CID 1784 shares the same resolution with those of CIDs 1401 and 1628. CID 1784 is now reassigned to Claudio and resolved in the same submission.
		2. Members do not have any technical concern on the following 16 CIDs, no straw poll is taken, and they are ready for motion in the March 2018 plenary, namely CIDs 1149, 1150, 1151, 1401, 1628, 1784, 1836, 1331, 1582, 1057, 1920, 1056, 1919, 1058, 1921, and 1059.
	6. Presentation by Motozuka Hiroyuki (Panasonic), Comment resolution on Annex E, Doc. IEEE 11-18/0333r0.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on CID 1540, no straw poll is taken, and it is ready for motion in the March 2018 plenary.
	7. Presentation by Motozuka Hiroyuki (Panasonic), Comment resolution on EDMG OFDM mode, Doc. IEEE 11-18/0332r2.
		1. Opened the floor for discussion. Edits are made during the discussion and the latest version for the review is 18/0332r3.
		2. Members do not have any technical concern on the following 18 CIDs, no straw poll is taken, and they are ready for motion in the March 2018 plenary, namely CIDs 1522, 1523, 1524, 1526, 2325, 1550, 1530, 1531, 1533, 1319, 1532, 1535, 1623, 1621, 1622, 1536, 1537, and 1538.
		3. CID 1525 needs more discussion.
	8. Presentation by Motozuka Hiroyuki (Panasonic), CR on OFDM DC relative shift, Doc. IEEE 11-18/0275r0.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the following 4 CIDs, no straw poll is taken, and they are ready for motion in the March 2018 plenary, namely CIDs 2092, 1520, 1521, and 1539.
		3. CID 2138 needs more discussion.
	9. Presentation by Oren Kedem (Intel), Resolution of CCA-Indications related CIDs, Doc. IEEE 11-18/0377r1.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the following 17 CIDs, no straw poll is taken, and they are ready for motion in the March 2018 plenary, namely CIDs 1708, 1943, 1097, 1463, 2111, 2343, 1003, 1009, 1094, 1035, 1942, 1109, 1266, 2112, 1098, 1248, and 1249.
	10. Presentation by Oren Kedem (Intel), Resolution of “Procedures common to the DCF and EDCAF” related CIDs, Doc. IEEE 11-18/0376r1.
		1. Opened the floor for discussion. There are a few terms that need to be rephrased. There are more edits required for Table 27.
	11. Presentation by Cheng Chen (Intel), Resolution to CIDs related to TDD scheduling - Part 1, Doc. IEEE 11-18/0355r0.
		1. Opened the floor for discussion. Edits are made during the discussion and the latest version for the review is 18/0355r1.
		2. Members do not have any technical concern on the following 50 CIDs, no straw poll is taken, and they are ready for motion in the March 2018 plenary, namely CIDs 1198, 1865, 1283, 1284, 1287, 1431, 1593, 1595, 1368, 1554, 2157, 1439, 1555, 1556, 1557, 1594, 2150, 2153, 1596, 1785, 1966, 1702, 1704, 2010, 1755, 2151, 1757, 1758, 1760, 1761, 1769, 1777, 1778, 1937, 1938, 1998, 2003, 2004, 2144, 2145, 2146, 2149, 2147, 2152, 2154, 2156, 2158, 2159, 2160, 2289.
		3. The following 2 CIDs need more discussion, namely, CIDs 1788, 1776.
9. Meeting recessed at 16:57 CT.

**Saturday, March 3 (09:00-17:00 CT)**

1. The IEEE 802.11ay task group ad-hoc meeting was called to order at 09:02 CT by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-18/0351r4.
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 reviewed the schedule of the ad-hoc meeting.
5. Chair reviewed the meeting agenda for the second day of the ad-hoc meeting (slides 13-14).
6. Comment Resolution
	1. Presentation by Yanchun Li (Huawei), CR on beamforming in BTI, Doc. IEEE 11-18/0449r0.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the following 3 CIDs, no straw poll is taken, and they are ready for motion in the March 2018 plenary, namely CIDs 2298, 2299, and 1131.
		3. CID 1485 needs more discussion.
	2. Presentation by Li-Hsiang Sun (InterDigital), Resolution of 10.38.2 CIDs, Doc. IEEE 11-18/0497r1.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the following 3 CIDs, no straw poll is taken, and they are ready for motion in the March 2018 plenary, namely CIDs 1483, 1546, and 1547.
	3. Presentation by Motozuka Hiroyuki (Panasonic), CID 1529 – on EDMG BRP packet duration, Doc. IEEE 11-18/0400r0.
		1. Opened the floor for discussion.
		2. As per member’s request, CID 1529 need more time to review.
	4. Presentation by Assaf Kasher (Qualcomm), LB231 BF comment resolution I, Doc. IEEE 11-18/0323r1.
		1. Opened the floor for discussion. Edits are made during the discussion and the latest version for the review is 18/0323r2.
		2. Members do not have any technical concern on the following 10 CIDs, no straw poll is taken, and they are ready for motion in the March 2018 plenary, namely CIDs 1472, 1484, 1634, 1689, 1690, 1866, 2184, 2300, 2301, and 2302. Note that CID 1472 is discussed in the January 2018 interim but needs further work based on members’ feedback.
		3. CIDs 1487, 1488, and 2303 needs more discussion.
	5. Presentation by Assaf Kasher (Qualcomm), LB 231 Partial SLS comment resolution, Doc. IEEE 11-18/0385r1.
		1. Opened the floor for discussion. Edits are made during the discussion and the latest version for the review is 18/0385r2.
		2. Members do not have any technical concern on the following 6 CIDs, no straw poll is taken, and they are ready for motion in the March 2018 plenary, namely CIDs 1165, 1496, 1682, 1803, 2179, and 2339. Note that CID 1165 is discussed in the January 2018 interim but needs further work based on members’ feedback.
	6. Presentation by Assaf Kasher (Qualcomm), LB 231 CID 1387 resolution, Doc. IEEE 11-18/0386r0.
		1. Opened the floor for discussion. Edits are made during the discussion and the latest version for the review is 18/0386r1.
		2. Members do not have any technical concern on the CID 1387. No straw poll is taken, and it ready for motion in the March 2018 plenary.
	7. Presentation by Alecsander Eitan (Qualcomm), 64-QAM rate 1/2, Doc. IEEE 11-18/0403r0.
		1. Opened the floor for discussion. Edits are made during the discussion and the latest version for the review is 18/0403r1.
		2. As per member’s request, this contribution needs more time to review.
	8. Presentation by Cheng Chen (Intel), Resolution to CIDs related to TDD scheduling - Part 1, Doc. IEEE 11-18/0355r1.
		1. Opened the floor for discussion on CID 1776, which is discussed yesterday but needs further work based on members’ feedback. Edits are made during the discussion and the latest version for the review is 18/0355r2.
		2. Members do not have any technical concern on CID 1776. No straw poll is taken, and it is ready for motion in the March 2018 plenary.
	9. Presentation by Kome Oteri (InterDigital), Comment Resolutions on Clause 10.38.7 (Beam Tracking), Doc. IEEE 11-18/0500r0.
		1. Opened the floor for discussion.
		2. As per member’s request, CIDs 1925 and 1926 need more time to review.
	10. Presentation by Carlos Cordeiro (Intel), Comment resolution, Doc. IEEE 11-18/0067r4.
		1. Opened the floor for discussion.
		2. Members do not have any technical concern on the following 7 CIDs, no straw poll is taken, and they are ready for motion in the March 2018 plenary, namely CIDs 1065, 1721, 1117, 1551, 1183, 1863, and 1218.
7. Chair expressed his thanks again to InterDigital) for the sponsorship on this ad-hoc meeting.

1. Meeting adjourned at 13:48 CT.

**Appendix A: Attendance Log**

**Name and Affiliation:**

* Mohamed Abouelseoud (Sony)
* Edward Au (Huawei)
* Anuj Batra (Apple)
* George Calcev (Huawei)
* Cheng Chen (Intel)
* Dmitry Cherniavsky (Sibeam)
* Jinsoo Choi (LGE)
* Dana Ciochina (Sony)
* Nelson Costa (Peraso)
* Carlos Cordeiro (Intel)
* Claudio da Silva (Intel)
* Alecsander Eitan (Qualcomm)
* Xiao (Tony) Han (Huawei)
* Chris Hansen (Peraso)
* Chenlong Jia (Huawei)
* Assaf Kasher (Qualcomm)
* Oren Kedem (Intel)
* Jinmin Kim (LGE)
* Sang Kim (LG Electronics)
* Yanchun Li (Huawei)
* Mengyao Ma (Huawei)
* Hiroyuki Motozuka (Panasonic)
* Kome Oteri (InterDigital)
* SungJin Park (LGE)
* Kiseon Ryu (LGE)
* Kazuyuki Sakoda (Sony)
* Adrian Stephens (Intel)
* Li-Hsiang Sun (InterDigital)
* Qian Wang (Huawei)
* Tao Wu (Huawei)
* Kaifeng Xia (Huawei)
* Yan Xin (Huawei)
* Rui Yang (InterDigital)
* SunWoong Yun (LGE)
* Lan Zhuo (CESI group)