IEEE P802.11  
Wireless LANs

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| IEEE 802.11 Task Group AY  January 2018 Irvine Interim Meeting Minutes | | | | |
| Date: 2018-01-14 | | | | |
| Author: | | | | |
| Name | Affiliation | Address | Phone | email |
| Jeorge S. Hurtarte | LitePoint Corporation | 575 Maude Court, Sunnyvale, CA 94085 | +1-203-685-2492 | jeorge.hurtarte@litepoint.com |

Abstract

Task Group AY meeting minutes from the IEEE 802.11 Irvine interim session, January 14-19, 2018.

**IEEE 802.11 Task Group AY**

**January 2018 Irvine Interim Meeting**

**January 14-19, 2018**

**Monday, January 15, 2018, AM2 Session (10:30-12:30)**

Attendance: around 40 people

1. The IEEE 802.11ay task group ad-hoc meeting was called to order at 10:30 by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-17/1830r2.
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 introduced the leadership of the Task Group (slide 12).
6. Chair proceeded to discuss the agenda items for this interim meeting (slide 14) and asked if anyone wants to add any additional agenda items (none).
7. Motion #368. Motion to approve the November 2017 Florida meeting minutes
   1. Move: Assaf Kasher
   2. Second: Yan Xin
   3. No objections noted. Unanimous consent.
   4. The November 2017 meeting minutes were approved.
8. Motion #369: Motion to approve the November 29, December 13, December 20 and January 10 Conference Calls meeting minutes
   1. Move: Assaf Kasher
   2. Second: Yan Xin
   3. No objections noted. Unanimous consent.
   4. The November 29, December 13, December 20 and January 10 Conference Calls meeting minutes were approved.
9. Chair reviewed the list of presentations submitted (slides 23-29) and schedule for presenting those during the week.
   1. Chair asked if there were any additional presentations submissions or changes to the agenda items. None.
10. Chair reviewed the agenda setting for the week (slide 30).
11. Chair reviewed the TG Approved Timeline (slide 31)
12. Chair reviewed the need for additional ad-hoc meetings per slides 32-34
13. Motion #370: Comment Resolution. Move to accept the text proposed in 17/1802r1 as comment resolution for CID 1007 and update the resolution status of the CID to “ACCEPTED”.
    1. Note: The contribution has been presented on November 29.
    2. Move: Claudio da Silva (on behalf of Artyom Lomayev)
    3. Second: Yan Xin
    4. Result: The motion is passed/failed (25 Yes; 0 No; 4 Abstain).
14. Motion #371: Comment Resolution. Move to accept the text proposed in 17/1806r2 as comment resolution for CIDs 1006 and 1629, update the resolution status of CID 1006 to “ACCEPTED”, and update the resolution status of CID 1629 to “REVISED, TGay editor to make the changes shown in 11-17/1806r2.”
    1. Note: The contribution has been presented on November 29.
    2. Move: Claudio da Silva (on behalf of Artyom Lomayev)
    3. Second: Assaf Kasher
    4. Result: The motion is passed/failed (24 Yes; 0 No; 1 Abstain).
15. Motion #372: Comment Resolution. Move to accept the text proposed in 17/1233r1 as comment resolution for CID 1138 and update the resolution status of the CID to “ACCEPTED”.
    1. Note: The contribution has been presented on December 20.
    2. Move: Lei Huang
    3. Second: Assaf Kasher
    4. Result: The motion is passed/failed (27 Yes; 0 No; 3 Abstain).
16. Motion #373: Comment Resolution. Move to accept the comment resolution for CIDs 1341, 1680, and 2337 as proposed in 18/0093r0.
    1. Note 1: The contribution has been presented on January 10.
    2. Note 2: Straw poll results: Approved with unanimous consent
    3. Move: Lei Huang
    4. Second: Assaf Kasher
    5. Result: The motion is passed/failed (25 Yes; 0 No; 1 Abstain).
17. Presentation
    1. Presentation by Hiroyuki Motozuka (Panasonic), Proposed text change on Example of spoofing algorithm, Doc. IEEE-11-17/1834r3.
       1. Opened the floor for discussion.
18. Motion #374: Comment Resolution. Move to accept the comment resolution for CIDs 1504, 1605, 1684, 1720, 1910, 2080, 2341, 2342, and 1174 as proposed in 17/1834r3.
    1. Note: Text corresponding to CID 1504 has been presented on December 20.
    2. Move: Hiroyuki Motozuka
    3. Second: Assaf Kasher
    4. Result: The motion is passed/failed (25 Yes; 0 No; 1 Abstain).
19. Presentations
    1. Presentation by Claudio da Silva (Intel), DMG Beamforming MLME, Doc. IEEE-11-18/0147r0.
       1. This submission proposes changes to primitives defined in 6.3.95 (DMG beamforming) necessary to support EDMG BF procedures, in addition of changes to 11.38 (DMG beamforming). The contribution uses 802.11-2016 as reference.
       2. Opened the floor for discussion.
       3. There is no technical concern raised. No straw poll is taken. The contribution is ready for motion on Wednesday PM2.

* 1. Presentation by Claudio da Silva (Intel), Resolution of MIMO BRP TXSS-related CIDs, Doc. IEEE-11-18/0089r0.
     1. This submission proposes resolutions to MIMO BRP TXSS-related CIDs.
     2. Opened the floor for discussion.
     3. There is no technical concern raised on all of these 4 CIDs, namely CIDs 1027, 1028, 1795, and 2324. No straw poll is taken. The contribution is ready for motion on Wednesday PM2.
  2. Presentation by Li-Hsiang Sun (Interdigital), CR on CID 2327, Doc. IEEE-11-18/0172r2.
     1. Draft text proposal for CR CID 2327
     2. Opened the floor for discussion.
     3. Straw Poll: Do you agree to accept the comment resolution to CID 2327 in doc 11-18/0172r2?
     4. Yes: 31, No: 0, Abstain: 2. Straw poll passed.
     5. The CID is resolved and ready for motion on Wednesday PM2.
  3. Presentation by Assaf Kasher (Qualcomm), LB231-comment-resolution-I, Doc. IEEE-11-18/0184r2.
     1. This document suggests resolution for CIDs 1124, 1165, 1240, 1293, 1300, 1336, 1347, 1348, 1472, 1481
     2. Opened the floor for discussion. Due to the limit of time, the contribution will be continued in Monday PM1.

1. The meeting was recessed at 12:30.

**Monday, January 15, 2018, PM1 Session (13:30-15:30)**

Attendance: around 45 people

1. The IEEE 802.11ay task group ad-hoc meeting was called to order at 13:30 by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-17/1830r2.
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 introduced the leadership of the Task Group (slide 12).
6. Presentations
   1. Presentation by Adrian Stephens (Intel Corporation), Comment Resolution Tutorial, Doc. IEEE-11-13/0230r3.
      1. This tutorial is intended to help 802.11 members to approve adequate comment resolutions to working group and sponsor letter ballots
      2. Opened the floor for discussion.
   2. Presentation by Carlos Cordeiro (Intel), 11ay MIB, Doc. IEEE-11-18/0047r1.
      1. This document proposes content for Annex C (the MIB) covering 11ay. It resolves CIDs 1717, 1948, 1737, 1738, 1193, 1389, 1422, 1834, 1674, 1631, 1882, 2229, 1433, 1989, 1087, 1678, 1924, 2221, 1724, 1559, 1177, 1639. These CIDs are requesting to define the MIB for 11ay.
      2. Opened the floor for discussion. Edits are made online.
      3. There is no technical concern on these 22 CIDs, which are resolved and ready for motion on Wednesday PM2.
   3. Presentation by Cheng Chen (Intel), MLME SAP (Re)Association interface, Doc. IEEE-11-18/0148r1
      1. This contribution proposes the MLME SAP (Re)Association interface for 11ay.
      2. Opened the floor for discussion.
      3. There is no technical concern raised. No straw poll is taken. The contribution is ready for motion on Wednesday PM2.
   4. Presentation by Lochan Verma (Qualcomm), mmWave Distributed Network TDD Ack text, Doc. IEEE-11-18/0069r1
      1. This document proposes amendment to the transmission rules for ACK/BA and many immediate control response frames in accordance with 17/1647r0 (Ack/BA for mmWave Distribution Network).
      2. Opened the floor for discussion.
      3. There is no technical concern raised. No straw poll is taken. The contribution is ready for motion on Wednesday PM2.
   5. Presentation by Lochan Verma (Qualcomm), BRP in mmWave Distribution Network, Doc. IEEE-11-18/0121r1
      1. Opened the floor for discussion.
      2. Straw Poll: Do you agree that in TDD SP operation the beam refinement response to a beam refinement request shall be transmitted at the start of the earliest occurring TDD Slot that allows for its transmission.
         * + NOTE: This is introduced to prohibit bi-directional exchange of BRP request and BRP response frames in a Basic TDD Slot
      3. Yes: 25, No: 0, Abstain: 1. Straw poll passed.
      4. There is no technical concern raised. The contribution is ready for motion on Wednesday PM2.
   6. Presentation by Assaf Kasher (Qualcomm), LB231-comment-resolution-I, Doc. IEEE-11-18/0184r1.
      1. This document suggests resolution for CIDs 1124, 1165, 1240, 1293, 1300, 1336, 1347, 1348, 1472, 1481
      2. Opened the floor for discussion.
      3. There is no technical concern on the following 8 CIDs, namely, 1124, 1240, 1293, 1300, 1336, 1347, 1348, and 1481. No straw poll is taken. These 8 CIDs are resolved and ready for motion on Wednesday PM2.
      4. The following 2 CIDs, 1165 and 1472, are discussed but not resolved. Need more discussion.
   7. Presentation by Alecsander Eitan (Qualcomm), CID 2187 Resolution, Doc. IEEE-11-18/0168r1.
      1. This submission proposes resolutions of comments received from TGay LB231.
      2. The proposed change is based on TGay Draft 1.0.
      3. Opened the floor for discussion.
      4. There is no technical concern on this CID, which is resolved and ready for motion on Wednesday PM2.
7. The meeting was recessed at 15:30.

**Tuesday, January 16, 2018, AM1 Session (08:00-10:00)**

Attendance: around 40 people

1. The IEEE 802.11ay task group ad-hoc meeting was called to order at 08:00 by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-17/1830r3.
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 introduced the leadership of the Task Group (slide 12).
6. Presentations
   1. Presentation by Claudio da Silva (Intel Corporation), Resolution of Analog Beam Tracking-related CIDs, Doc. IEEE-11-18/0125r0.
      1. This submission proposes resolutions to analog beam tracking-related CIDs.
      2. Opened the floor for discussion. Edits are made online.
      3. There is no technical concern on all of these 10 CIDs, namely, CIDs 1049, 2305, 1032, 1053, 1050, 1051, 1052, 1338, 1055, and 1337. No straw poll is taken. These CIDs are resolved and ready for motion on Wednesday PM2.
   2. Presentation by Claudio da Silva (Intel Corporation), Resolution of BF-related CIDs, Doc. IEEE-11-18/0146r0.
      1. Opened the floor for discussion.
      2. There is no technical concern on all of these 16 CIDs, namely CIDs 1060, 1062, 1329, 1970, 1578, 2104, 1061, 1838, 2326, 1330, 1688, 1895, 1021, 1685, 2007, and 1140. These CIDs are resolved and ready for motion on Wednesday PM2.
   3. Presentation by Oren Kedem (Intel Corporation), Beamforming for mmWave Distributed Network, Doc. IEEE-11-18/0179r1.
      1. This document proposes 11ay draft specification text on Beamforming training for TDD Distributed Network as described in (11-17-1646-01-00ay-beamforming-for-mmwave-distribution-networks).
      2. Opened the floor for discussion.
      3. There is no technical concern raised. The contribution is ready for motion on Wednesday PM2.
   4. Presentation by Sunwoong Yun (LG Electronics), OFDM TRN subfield for Channel Aggregation, Doc. IEEE-11-18/0196r2, and Draft Text for OFDM TRN subfield for Channel Aggregation, Doc. IEEE-11-18/0197r2.
      1. The presentation 196r2 suggests OFDM TRN subfield for channel aggregation. The document 197r2 proposes specification text for sub clause 30.9.2.2.7 TRN subfield definition for EDMG OFDM PPDUs
      2. Opened the floor for discussion.
      3. There is no technical concern raised. The contribution is ready for motion on Wednesday PM2.
7. The meeting was recessed at 09:30.

**Tuesday, January 16, 2018, AM2 Session (10:30-12:30)**

Attendance: around 50 people

1. The IEEE 802.11ay task group ad-hoc meeting was called to order at 08:00 by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-17/1830r3.
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 introduced the leadership of the Task Group (slide 12).
6. Presentations
   1. Presentation by Lei Huang (Panasonic), CR on EDMG Group ID Set element, Doc. IEEE-11-18/0091r1.
      1. This submission proposes resolution of comments on 9.4.2.254 EDMG Group ID Set element received from LB# 231 (TGay Draft 1.0). 2 CID: 1046, 1152
      2. Opened the floor for discussion.
      3. There is no technical concern raised on these 2 CIDs, which are resolved and ready for motion on Wednesday PM2.
   2. Presentation by Lei Huang (Panasonic), CR on EDMG channel measurement feedback, Doc. IEEE-11-18/0092r0.
      1. This submission proposes resolution of comments on EDMG channel measurement feedback received from LB# 231 (TGay Draft 1.0). 5 CID: 1154, 1974, 1995, 1821, 1977
      2. Opened the floor for discussion.
      3. There is no technical concern raised on these 5 CIDs, which are resolved and ready for motion on Wednesday PM2.
   3. Presentation by Lei Huang (Panasonic), Comment resolution on directional channel quality request, Doc. IEEE-11-18/0095r0.
      1. This submission proposes resolution of comments on 4 CID: 1466, 1467, 2118 and 2119.
      2. Opened the floor for discussion.
      3. There is no technical concern raised on these 4 CIDs, which are resolved and ready for motion on Wednesday PM2.
   4. Presentation by Lei Huang (Panasonic), CR on directional channel quality report, Doc. IEEE-11-18/0135r2.
      1. This submission proposes resolution of comments on 9.4.2.22.15 Directional Channel Quality report received from LB# 231 (TGay Draft 1.0). 2 CID: 1468, 1951.
      2. Opened the floor for discussion.
      3. There is no technical concern raised on CID 1468, which is resolved and ready for motion on Wednesday PM2.
      4. For CID 1951, it is discussed but not resolved. Need more discussion.
   5. Presentation by Payam Torab (Facebook), Link Maintenance in Distribution Networks, Doc. IEEE-11-18/0130r1.
      1. A set of functions to maintain operational links in mmWave Distribution Networks is presented, together with an example implementation
      2. Opened the floor for discussion.
7. The meeting was recessed at 12:22.

**Wednesday, January 17, 2018, PM2 Session (16:00-18:00)**

Attendance: around 40 people

1. The IEEE 802.11ay task group ad-hoc meeting was called to order at 16:00 by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-17/1830r4.
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 introduced the leadership of the Task Group (slide 12).
6. Presentations
   1. Presentation by Hiroshi Mano (KDTI), 60GHz-Propagation-Stadium, Doc. IEEE-11-18/0127r0.
      1. This contribution proposes a channel model for Micro Hotspot Access scenario in the stadium considering the reflected paths from surrounding spectators
      2. Opened the floor for discussion.
      3. Straw Poll #1: Do you think that a micro hotspot service would be prospective market of TGay?
      4. Yes: 32, No: 0, Abstain: 4. Straw poll passed.
      5. Straw Poll #2: Do you support to incorporate an article of this stadium propagation measurement to TGay channel model document?
      6. Yes: 21, No: 0, Abstain: 15. Straw poll passed.
   2. Presentation by Cheng Chen (Intel), Resolution to CIDs related to asymmetric beamforming and directional allocation, Doc. IEEE-11-18/0158r3.
      1. Opened the floor for discussion.
      2. There is no technical concern on the following 18 CIDs, namely, CIDs 1111, 1157, 1356, 1357, 1412, 1358, 1371, 1779, 1780, 1781, 1789, 1945, 2139, 2140, 2141, 2142, 2317, and 2318. These CIDs are resolved and ready for motion on Thursday PM2.
      3. For CID 1355, it is discussed but not resolved. Need more discussion.
   3. Presentation by Thomas Handte (Sony), Comment resolution on space-time block coding, Doc. IEEE-11-18/0186r2.
      1. Opened the floor for discussion.
      2. There is no technical concern on the following 3 CIDs, namely CIDs 1627, 1835, and 2031. No straw poll is taken. These 3 CIDs are resolved and ready for motion on Thursday PM2.
      3. For the 4 CIDs, 1617, 2029, 2039 and 2034, a member raised a concern and requested a straw poll.
      4. Straw Poll: Do you accept the comment resolution for CIDs 1617, 2029, 2030, and 2034 as proposed in 18/0186r2?
      5. Yes: 31, No: 1, Abstain: 2. Straw poll passed.
      6. The straw poll is passed. These 4 CIDs are resolved and ready for motion on Thursday PM2.
   4. Presentation by Solomon Trainin (Qualcomm), TDD slot assignment clarification, Doc. IEEE-11-18/01391.
      1. Opened the floor for discussion.
      2. There is no technical concern on CID 1940, which is resolved and ready for motion on Thursday PM2.
   5. Presentation by Alecsander Eitan (Qualcomm), Mask comments resolution, Doc. IEEE-11-18/0167r0.
      1. Opened the floor for discussion.
      2. There is no technical concern on the 11 CIDs discussed in this submission, namely CIDs 1425, 1426, 1587, 2226, 2227, 2334, 2335, 1610, 1611, 1670, and 1671. These CIDs are resolved and ready for motion on Thursday PM2.
7. The meeting was recessed at 17:55.

**Thursday, January 18, 2018, AM1 Session (08:00-10:00)**

Attendance: around 40 people

1. The IEEE 802.11ay task group ad-hoc meeting was called to order at 08:01 by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-17/1830r5.
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 introduced the leadership of the Task Group (slide 12).
6. Presentations
   1. Presentation by Tony Xiao Han (Huawei Technologies), BF Training enhancement for mmWave Distribution Networks, Doc. IEEE-11-18/0175r1.
      1. This contribution proposes a BF training procedure for a scenario in which the Initiator (DN) can efficiently perform BF training with multiple Responders (DNs/CNs).
      2. Opened the floor for discussion.
      3. Straw Poll: Do you think a TDD MU Beamforming is needed for distributed network, by which the Initiator (DN) can efficiently perform BF training with multiple Responders (DNs/CNs)?
      4. Yes: 26, No: 1, Abstain: 16. Straw poll passed.
      5. Straw Poll: Do you agree to adopt the scheme described in slides 5-7 into the spec?
      6. Yes: 17, No: 1, Abstain: 21. Straw poll passed.
   2. Presentation by Sam Alex (Facebook), Distribution Networks and Short Range Devices Coexistence, Doc. IEEE-11-18/0131r0.
      1. Presented the analysis of the interference on Short Range Devices (SRDs) resulting from outdoor to indoor penetration of Distribution Network transmissions. Simple yet aggressive scenario of CN STA outside an MDU room, installed on the glass, relatively small loss through the window. Results confirm that 11ad/ay Distribution Network STAs do not harm indoor operation.
      2. Opened the floor for discussion.
   3. Presentation by Krishna Gomadam (Facebook), Interference Mitigation in Distribution Networks, Doc. IEEE-11-18/0164r0.
      1. Presented a set of PHY and MAC features that have been found useful for interference mitigation and stable performance of mmWave distribution networks
      2. Opened the floor for discussion.
7. The meeting was recessed at 10:00.

**Thursday, January 18, 2018, PM1 Session (13:30-15:30)**

Attendance: around 30 people

1. The IEEE 802.11ay task group ad-hoc meeting was called to order at 13:30 by the Chair, Edward Au (Huawei).
2. Agenda Doc. IEEE 802.11-17/1830r6.
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 introduced the leadership of the Task Group (slide 12).
6. Motions
   1. Motion #387: Comment Resolution
      1. Move to accept the comment resolution for CIDs 1111, 1157, 1356, 1357, 1412, 1358, 1371, 1779, 1780, 1781, 1789, 1945, 2139, 2140, 2141, 2142, 2317, and 2318 as proposed in 18/0158r3.
      2. Move: Claudio da Silva
      3. Second: Sang Kim
      4. Result: The motion is passed (12 Yes; 0 No; 1 Abstain)
   2. Motion #388: Comment Resolution
      1. Move to accept the comment resolution for CIDs 1627, 1835, and 2031 as proposed in 18/0186r2.
      2. Move: Dana Ciochina (on behalf of Thomas Handte)
      3. Second: Claudio da Silva
      4. Result: The motion is passed (13 Yes; 0 No; 2 Abstain)
   3. Motion #389: Comment Resolution
      1. Move to accept the comment resolution for CIDs 1617, 2029, 2030, and 2034 as proposed in 18/0186r2.
      2. Move: Dana Ciochina (on behalf of Thomas Handte)
      3. Second: Claudio da Silva
      4. Result: The motion is passed (14 Yes; 0 No; 1 Abstain)
   4. Motion #390: Comment Resolution
      1. Move to accept the comment resolution for CID 1940 as proposed in 18/0139r1.
      2. Move: Solomon Trainin
      3. Second: Sang Kim
      4. Result: The motion is passed (13 Yes; 0 No; 0 Abstain)
   5. Motion #391: Comment Resolution
      1. Move to accept the comment resolution for CIDs 1425, 1426, 1587, 2226, 2227, 2334, 2335, 1610, 1611, 1670, and 1671 as proposed in 18/0167r0, and update the resolution status of these CIDs to “REVISED, TGay editor to make the changes shown in 11-18/0167r0”.
      2. Move: Claudio da Silva
      3. Second: Sang Kim
      4. Result: The motion is passed (14 Yes; 0 No; 1 Abstain)
   6. Motion #392: Comment Resolution
      1. Move to accept the text proposed in 17/1806r3 as comment resolution for CIDs 1006 and 1629, update the resolution status of CID 1006 to “ACCEPTED”, and update the resolution status of CID 1629 to “REVISED, TGay editor to make the changes shown in 11-17/1806r3”.
      2. Note: 17/1806r2 has been presented on November 29. 17/1806r3 contains minor technical updates based on the comments from Anuj Batra, including simplification of formulas in some cases, addition of the case of time computation for beamforming tracking, and editorial fixes of 2 bugs for PSDU length range.
      3. Move: Anuj Betra
      4. Second: Claudio da Silva
      5. Result: The motion is passed/failed (14 Yes; 0 No; 0 Abstain)

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* 1. Motion #393: Ad-hoc meeting
     1. Authorize TGay to hold an ad-hoc meeting on March 2 and March 3, 2018, in Hyatt Regency O’Hare, Rosemont, for the purpose of comment resolution.
     2. Move: Carlos Cordeiro
     3. Second: Komi Oteri
     4. Result: The motion is passed (14 Yes; 0 No; 3 Abstain)

1. Presentations
   1. Presentation by Krishna Gomadam (Facebook), Interference Mitigation in Distribution Networks, Doc. IEEE-11-18/0164r0.
      1. Presented a set of PHY and MAC features that have been found useful for interference mitigation and stable performance of mmWave distribution networks
      2. Opened the floor for discussion.
   2. Presentation by Hiroyuki Motozuka (Panasonic), CR on OFDM data rate, Doc. IEEE-11-18/0188r2.
   3. This submission proposes resolution of comments on 30.6.7 Modulation and coding scheme (MCS) received from LB# 231 (TGay Draft 1.0). 2 CIDs: 1527 and 1528
      1. Opened the floor for discussion.
      2. There is no technical concern on these 2 CIDs, which are resolved and ready for motion now.
   4. Motion #394: Comment Resolution
      1. Move to accept the comment resolution for CIDs 1527 and 1528 as proposed in 18/0188r2.
      2. Move: Hiroyuki Motozuka
      3. Second: Claudio da Silva
      4. Result: The motion is passed (15 Yes; 0 No; 0 Abstain)
   5. Presentation by Kome Oteri (InterDigital), Hybrid Beamforming Feedback in 802.11ay, Doc. IEEE-11-18/0192r1, and Draft Text for OFDM Feedback Request, Doc. IEEE-11-18/0193r0.
   6. Presented the details needed for HBF feedback including: OFDM Request Parameters, OFDM Response Parameters, and Feedback Information and Feedback Frame Format
      1. Opened the floor for discussion.
      2. There is no technical concern on this submission, which is ready for motion now.
   7. Motion #395: Comment Resolution
      1. Move to include the text proposed in 18/0193r0 for EDMG BRP Request element in the IEEE 802.11ay draft amendment.
      2. Move: Kome Oteri
      3. Second: Xiaofei Wang
      4. Result: The motion is passed (17 Yes; 0 No; 1 Abstain)
   8. Presentation by Kazuyuki Sakoda (Sony), Distribution network use case for consumer devices, Doc. IEEE-11-18/0194r1.
      1. This presentation introduces additional consideration to consumer device use case reflecting real life usage, hoping broader 802.11ay technology adoption in consumer electronics market place.
      2. Opened the floor for discussion.
   9. Presentation by Mohamed Abouelseoud (Sony), MMWave Distribution Network Discovery, Doc. IEEE-11-18/0199r1.
      1. 2 Presented two options to enable discovery triggering leveraging existing Multi-Band capability.
      2. Opened the floor for discussion.
      3. Straw Poll #1: Do you think additional signaling for discovery triggering is needed for the TDD mode described in IEEE 802.11-17/1321r0 to support consumer devices?
         * + Yes: 16
           + No: 3
           + Need more information: 11
           + Don’t care: 0
      4. Straw Poll #2: Do you think the use of Multi-Band operation would be feasible approach for off-60GHz discovery signaling?
         * + Yes: 20
           + No: 0
           + Need more information: 8
           + Don’t care: 0
      5. Straw Poll #3: Which of the options described would you prefer?
         * + Option 1: 0
           + Option 2: 6
           + Option 3: 14
           + Need more information: 0
           + Don’t care: 0
2. Chair proceeded to cover the schedule for the next conference calls.
3. The Task Group AY Irvine interim meeting was adjourned on January 18, 2018 at 15:35.