IEEE P802.11  
Wireless LANs

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| IEEE 802.11 Task Group AY  May 2018 Conference Meeting Minutes | | | | |
| Date: 2018-05-30 | | | | |
| 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 session on May 16, May 23, and May 30, 2018.

**IEEE 802.11 Task Group AY**

**May 2018 Conference Call Meeting**

**Wednesday, May 16, 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 802.11-18/0996r1.
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 meeting agenda for the conference call (slide 10).
5. Comment Resolution
   1. Presentation by Artyom Lomayev (Panasonic), CID resolution – part X, Doc. IEEE 11-18/0696r0.
      1. Opened the floor for discussion.
      2. Members do not have any technical concern on the following 4 CIDs, namely 1311, 1313, 1589, and 1590. No straw poll is taken, and these CIDs are ready for motion in the July 2018 plenary.
6. Technical Presentation
   1. Presentation by Saehee Bang (LGE), Procedure for slot structure start time text, Doc. IEEE 11-18/0950r0.
      1. Opened the floor for discussion.
      2. Straw poll: Do you agree to include the text for TDD Slot start time proposed in (11-18-0950-00-00ay-Procedure-for-Slot-Structure-Start-Time-text) to the spec draft? No objection.
      3. Members do not have any technical concern on this contribution, which is ready for motion in the July 2018 plenary.
   2. Presentation by Yanchun Li (Huawei), Baseband feedback for hybrid MU MIMO beamforming, Doc. IEEE 11-18/0992r1.
      1. The audio of the author was lost when slide 5 was presented.
      2. Chair discussed on an item related to any other business while waiting for the author to reconnect.
         1. An ad-hoc, Ethernet Cabling Requirements, is formed with the objective of considering Ethernet cabling requirements for IEEE 802.11 systems for the next 5 to 10 years. This ad-hoc is related to the task group’s earlier discussion on the request from IEEE 802.3.
      3. The author reconnected and continued to present. The audio was lost again when slide 9 was presented. Chair decided to reschedule this presentation in a later teleconference call.
7. The next teleconference call is confirmed and held at 10:00am ET on May 23 (Wednesday).
8. Meeting adjourned at 10:45am ET.

**Appendix A: May 16, 2018, 10:00am ET Conference Call Attendance Log**

**Name and Affiliation:**

* Edward Au (Huawei)
* Saehee Bang (LGE)
* Anuj Batra (Apple)
* George Calcev (Huawei)
* Cheng Chen (Intel)
* Carlos Cordeiro (Intel)
* Nelson Costa (Peraso)
* Alecsander Eitan (Qualcomm)
* Michael Grigat (Deutsche Telekom)
* Xiao (Tony) Han (Huawei)
* Thomas Handte (Sony)
* Chris Hansen (Peraso)
* Allen Heberling (Self)
* Lei Huang (Panasonic)
* Assaf Kasher (Qualcomm)
* JinMin Kim (LGE)
* Yanchun Li (Huawei)
* Artyom Lomayev (Intel)
* Jianhua Mo (Samsung)
* Hiroyuki Motozuka (Panasonic)
* Kome Oteri (InterDigital)
* Aditya Padaki (Samsung)
* Al Petrick (Jones-Petrick and Associates)
* Qian Wang (Huawei)
* Gaius Wee (Panasonic)
* Rui Yang (InterDigital)
* SunWoong Yun (LGE)
* SK Yong (Apple)

**Wednesday, May 23, 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 802.11-18/0997r1.
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 meeting agenda for the conference call (slide 10).
5. Comment Resolution
   1. Presentation by Lei Huang (Panasonic), Comment resolution on CIDs 1951 & 2021, Doc. IEEE 11-18/0995r1.
      1. Opened the floor for discussion.
      2. Members do not have any technical concern on the proposed resolution for CID 1951. No straw poll is taken, and this CID is ready for motion in the July 2018 plenary.
      3. The proposed resolution for CID 2021 needs further work.
   2. Presentation by Carlos Cordeiro (Intel), Annex G – frame exchange sequences, Doc. IEEE 11-18/1004r0.
      1. Opened the floor for discussion.
      2. Members do not have any technical concern on the proposed resolution for the following 16 CIDs, namely 1805, 1390, 1675, 2169, 1990, 1883, 2230, 1436, 1428, 1677, 1832, 1923, 2222, 1175, 1560, and 2183. No straw poll is taken, and these CIDs are ready for motion in the July 2018 plenary.
6. Technical Presentation
   1. Presentation by Aditya Padaki (Samsung), Co-existence of distribution nodes and short range devices, Doc. IEEE 11-18/0833r1.
      1. Due to the lack of time, discussion will be postponed to the next teleconference call on May 30.

1. The next teleconference call is confirmed and held at 10:00am ET on May 30 (Wednesday).
2. Meeting adjourned at 11:31am ET.

**Appendix B: May 23, 2018, 10:00am ET Conference Call Attendance Log**

**Name and Affiliation:**

* Osama Aboul-Magd (Huawei)
* Edward Au (Huawei)
* Anuj Batra (Apple)
* George Calcev (Huawei)
* Cheng Chen (Intel)
* Carlos Cordeiro (Intel)
* Nelson Costa (Peraso)
* Alecsander Eitan (Qualcomm)
* Michael Grigat (Deutsche Telekom)
* Xiao (Tony) Han (Huawei)
* Thomas Handte (Sony)
* Chris Hansen (Peraso)
* Lei Huang (Panasonic)
* Assaf Kasher (Qualcomm)
* Oren Kedem (Intel)
* Sang Kim (LGE)
* Artyom Lomayev (Intel)
* Jianhua Mo (Samsung)
* Hiroyuki Motozuka (Panasonic)
* Kome Oteri (InterDigital)
* Aditya Padaki (Samsung)
* Al Petrick (Jones-Petrick and Associates)
* Li-Hsiang Sun (InterDigital)
* Payam Torab (Facebook)
* Gaius Wee (Panasonic)
* Yan Xin (Huawei)
* Rui Yang (InterDigital)
* SK Yong (Apple)

**Wednesday, May 30, 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 802.11-18/1005r1.
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 meeting agenda for the conference call (slide 10). Xingxin Zhang (Huawei) noted that the version number of his contribution (18/1018) is updated to r1.
5. Comment Resolution
   1. Presentation by Xingxin Zhang (Huawei), Comment resolution on A-PPDU, Doc. IEEE 11-18/1018r1.
      1. Opened the floor for discussion.
      2. Members do not have any technical concern on the proposed resolution for CID 1099. No straw poll is taken, and this CID is ready for motion in the July 2018 plenary.
6. Q&A on a Technical Presentation
   1. Presentation by Aditya Padaki (Samsung), Co-existence of distribution nodes and short range devices, Doc. IEEE 11-18/0833r2, was done in the last teleconference call on May 23 but there was a lack of time for questions/comments.
      1. Open the floor for discussion.
      2. A member suggests considering antenna patterns that are commercially available for further simulation.
      3. A possible next step is to extend the simulations with mmWave distributed networks.
7. Technical Presentation
   1. Presentation by Yanchun Li (Huawei), Baseband feedback for hybrid MU MIMO beamforming, Doc. IEEE 11-18/0992r2, and Draft text for hybrid MU MIMO beamforming baseband feedback, Doc. IEEE 11-18/1085r1.
      1. Open the floor for discussion.
      2. Straw poll: Do you agree to accept the text modifications proposed in 11-18/1035r1 into the next version of 11ay draft standard? No objection.
      3. Members do not have any technical concern on the contribution 18/1035r1, which is ready for motion in the July 2018 plenary.
8. The next teleconference call is confirmed and held at 10:00am ET on June 6 (Wednesday).
9. Meeting adjourned at 11:14am ET.

**Appendix C: May 30, 2018, 10:00am ET Conference Call Attendance Log**

**Name and Affiliation:**

* Edward Au (Huawei)
* Anuj Batra (Apple)
* George Calcev (Huawei)
* Cheng Chen (Intel)
* Carlos Cordeiro (Intel)
* Nelson Costa (Peraso)
* Claudio da Silva (Intel)
* Alecsander Eitan (Qualcomm)
* Michael Grigat (Deutsche Telekom)
* Xiao (Tony) Han (Huawei)
* Chris Hansen (Peraso)
* Assaf Kasher (Qualcomm)
* Sang Kim (LGE)
* Yanchun Li (Huawei)
* Wei Lin (Huawei)
* Artyom Lomayev (Intel)
* Mengyao Ma (Huawei)
* Hiroyuki Motozuka (Panasonic)
* Kome Oteri (InterDigital)
* Aditya Padaki (Samsung)
* Al Petrick (Jones-Petrick and Associates)
* Li-Hsiang Sun (InterDigital)
* Payam Torab (Facebook)
* Solomon Trainin (Qualcomm)
* Yan Xin (Huawei)
* SK Yong (Apple)
* Xingxin Zhang (Huawei)