IEEE P802.11  
Wireless LANs

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| IEEE 802.11 MAC/MU Ad hoc  September 2018 TGax Meeting Minutes | | | | |
| Date: 2018-09-10 | | | | |
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Abstract

TGax, MAC/MU Ad Hoc meeting minutes from the IEEE 802.11, September 10th – 12th, 2018.

**IEEE 802.11 Task Group ax, MAC/MU Ad hoc**

**September 2018 Meeting, Kona, Hawaii**

**Sept 10th – 12th, 2018**

**Monday, September 10th, 2018, PM3 TGax Session (7:30-9:30PM)**

1. **The meeting called to order at 07:30pm by Chao-Chun Wang (MediaTek), the co-chair of the TGax MAC Ad hoc**
   1. 28 people are in the room.
2. **Announcement**
   1. Agenda Doc.11-18/0xxx on the server. Rev. 0 is the working document.
   2. Meeting Protocol: The Chair asked for state name and affiliation when speaking for the first time.
   3. Attendance reminder.
      1. The attendance server: https://imat.ieee.org/
3. **The chair reviewed the mandatory 5 slides of P&P.**
   1. Instructions from the WG Chair. [reviewed~~, did not review~~]
   2. Participants, Patents, and Duty to Inform. [reviewed~~, did not review~~]
   3. Patent Related Links. [reviewed~~, did not review~~]
   4. Call for potentially essential patents.
      1. Chair asked if anyone is aware of potentially essential patents

[Asked. ~~Did not ask~~]

* + 1. Potentially essential patents

[None reported~~. Reported as follows~~]

* 1. Other Guidelines for IEEE WG Meetings.

1. **The Chair called for presentations**
   1. No additional presentation
2. **The Chair asked for approval of the agenda**
   1. No objection raised
3. **Presentation of contributions**
   1. **11-18/1502r2, “Differentiating TB from non-TB sounding”**

CID 16673, 16674, 16675, 16676, 16678 and 16681

* + 1. Presented by Robert Stacey (Intel)

Youhan Kim requested to defer the SP for further review. SP deferred.

* 1. **11-18/1415r0, “SM power save”**

CID 16595

* + 1. Presented by Po-Kai Huang (Intel)

SP deferred for further discussion

* 1. **11-18/1485r1, “d3-0-comment-resolution-27.5.3.2.1”**

CID ~~15082~~, 15681, 16548, 16951, 16952, 17151, 17152

* + 1. Presented by Liwen Chu (Marvell)

Strawpoll#1: Do you agree to accept resolutions in doc 11-18/1485r1 to following CIDs?

* CID 15681, 16548, 16951, 16952, 17151, 17152 (6 CID)

Results: passed with one abstain.

The meeting recessed at 9:20pm.

**Tuesday, September 11th, 2018, AM2 TGax Session (10:30AM-12:30PM)**

1. **The meeting called to order at 10:38am by Osama Aboul-Magd (Huawei), the chair of the TGax**
   1. 53 people are in the room.
2. **Announcement**
   1. Agenda Doc.11-18/1621 on the server. Rev. 0 is the working document.
   2. Meeting Protocol: The Chair asked for state name and affiliation when speaking for the first time.
   3. Attendance reminder.
      1. The attendance server: https://imat.ieee.org/
3. **The chair reviewed the mandatory 5 slides of P&P.**
   1. Instructions from the WG Chair. [reviewed~~, did not review~~]
   2. Participants, Patents, and Duty to Inform. [reviewed~~, did not review~~]
   3. Patent Related Links. [reviewed~~, did not review~~]
   4. Call for potentially essential patents.
      1. Chair asked if anyone is aware of potentially essential patents

[Asked. ~~Did not ask~~]

* + 1. Potentially essential patents

[None reported~~. Reported as follows~~]

* 1. Other Guidelines for IEEE WG Meetings.

1. **The Chair called for presentations**
   1. No additional presentation
2. **The Chair asked for approval of the agenda**
   1. No objection raised
3. **Presentation of contributions**
   1. **11-18/1246r4, “OM Control Comment Resolutions”**

CIDs 15010, 15011, 15173, 15372, 15734, 15735, 15736, 15737, 15766, 15864, 15865, 15990, 16615, 16188, 16362, 16488, 16489, 17016, 17017, 17031, 17033 and 17034

* + 1. Presented by Jarkko (apple)

Strawpoll Do you agree with the comment resolutions to the following CIDs in doc 1246r4?

* CIDs 15010, 15011, 15173, 15372, 15734, 15735, 15736, 15737, 15766, 15864, 15865, 15990, 16615, 16188, 16362, 16488, 16489, 17016, 17017, 17031, 17033 and 17034

Results: passed unanimously.

* 1. **11-18/1507r1, “11ax D3.0 MAC Comment Resolution for Co-located BSS”**

CIDs 16586, 16587

* + 1. Presented by Po-kai Huang (Intel)

C: Not sure if this feature is necessary.

Strawpoll: Do you accept resolutions to CIDs 16586 and 16587 in doc 11-18/1507r2?

­­­­­ Results: 11Y/7N/18Abs, SP passed

* 1. **11-18/1548r0, “CR for CID 15105”**

CID 15105

* + 1. Presented by Kiseon Ryu (LG)

Strawpoll: Do you accept resolutions to CID 15105 in doc 11-18/1548r0?

SP deferred for more discussions.

* 1. **11-18/1484r1, “11ax D3.0 Comment Resolution 27.5.3.2.1”**

CIDs 15915, 16127, 16135, 16136

* + 1. Presented by Liwen Chu(Marvell)

Strawpoll: Do you accept resolutions to CIDs 15915, 16127, 16135 and 16136 in doc 11-18/1484r1?

­­­­­ Results: passed unanimously.

* 1. **11-18/1511r0, “LB233 CR on CID 17024”**

CID 17024

* + 1. Presented by Ming Gan (Huawei)

Strawpoll: Do you accept the resolution to CID17024 in doc 11-18/1511r0?

Results: passed unanimously

The meeting recessed at 12:22pm.

**Tuesday, September 11th, 2018, PM2 TGax Session (4:00PM-6:00PM)**

1. **The meeting called to order at 4:01pm by Chao-Chun Wang (MediaTek), the co-chair of the TGax MAC Ad hoc**
   1. xx people are in the room.
2. **Announcement**
   1. Agenda Doc.11-18/1621 on the server. Rev. 1 is the working document.
   2. Meeting Protocol: The Chair asked for state name and affiliation when speaking for the first time.
   3. Attendance reminder.
      1. The attendance server: https://imat.ieee.org/
3. **The chair reviewed the mandatory 5 slides of P&P.**
   1. Instructions from the WG Chair. [reviewed~~, did not review~~]
   2. Participants, Patents, and Duty to Inform. [reviewed~~, did not review~~]
   3. Patent Related Links. [reviewed~~, did not review~~]
   4. Call for potentially essential patents.
      1. Chair asked if anyone is aware of potentially essential patents

[Asked. ~~Did not ask~~]

* + 1. Potentially essential patents

[None reported~~. Reported as follows~~]

* 1. Other Guidelines for IEEE WG Meetings.

1. **The Chair asked for approval of the agenda**
   1. No objection raised
2. **Presentation of contributions**
   1. **11-18/1516r1, “CR BQR section 9”**

CIDs 15867 16543

* + 1. Presented by Zhou Lan (Broadcom)

Strawpoll Do you agree with the comment resolutions to CIDs 15867 and 16543 in doc 1516r1?

Results: passed unanimously.

* 1. **11-18/1515r1, “CR BQR section 27.5.2”**

CIDs 15071, 15074, 15075, 15078, 15680, 16547

* + 1. Presented by Zhou Lan (Broadcom)

Strawpoll: Do you accept resolutions to CIDs 15071, 15074, 15075, 15078, 15680, 16547 in doc 11-18/1515r1?

Results: passed unanimously.

* 1. ­­­­­**11-18/1455r3, “Resolution for CIDs in 27.5.3.3”**

CIDs 17142, 16753, 16754, 16475, 16064, 16755, 16347, 16016, ~~16668~~

* + 1. Presented by Abhishek Patil (Qualcomm)

Strawpoll: Do you accept resolutions to CIDs 17142, 16753, 16754, 16475, 16064, 16755, 16347, 16016 in doc 11-18/1455r3?

Results: passed unanimously.

* 1. ­­­­­**11-18/1432r2, “Doze-Transition-Signaling”**

CIDs 15757

* + 1. Presented by Matthew Fischer (Broadcom Inc)

Strawpoll: Do you accept resolutions to CIDs 15757 in doc 11-18/1432r2?

SP deferred for further discussion.

* 1. ­­­­­**11-18/1497r1, “CR for OPS”**

CIDs 17000 15022 17025 15877 15878 17027 15816 15821 15180 15115 15117 15169 16469 15170 15171 17026 ~~15730~~ 15172 16470 16471 15116 16473 15118 16474 15822 15167 15168

* + 1. Presented by laurent cariou (Intel)

Strawpoll: Do you accept resolutions to CIDs 17000 15022 17025 15877 15878 17027 15816 15821 15180 15115 15117 15169 16469 15170 15171 17026 ~~15730~~ 15172 16470 16471 15116 16473 15118 16474 15822 15167 15168 in doc 11-18/1455r3?

SP deferred.

* 1. ­­­­­**11-18/1484r2, “comment-resolution-27.15.2”**

CIDs 15915, 16127, 16135, 16136

* + 1. Presented by Liwen Chu (Marvell)

Strawpoll: Do you accept resolutions to CIDs 15915, 16127, 16135, 16136 in doc 11-18/1484r2?

Results: passed unanimously.

* 1. ­­­­­**11-18/1501r1, “Ack-related-CIDs-Sec-27.4”**

CIDs 15316, 15678, 15856, 15857, 15858, 16198, 16199, 16200, 16201, 16204, 16205, 16270, 16320, 16361, 16370, 16377, 16402, 16496, 16655, 16658, 16659, 16661, 16662, 16941, ~~16942~~, 16943, 16945, 17039, 17148, 17149, ~~17150~~

* + 1. Presented by George Cherian (Qualcomm)

Strawpoll: Do you accept resolutions to CIDs 15316, 15678, 15856, 15857, 15858, 16198, 16199, 16200, 16201, 16204, 16205, 16270, 16320, 16361, 16370, 16377, 16402, 16496, 16655, 16658, 16659, 16661, 16662, 16941, ~~16942~~, 16943, 16945, 17039, 17148, 17149

~~17150~~ in doc 11-18/1501r1?

Results: passed unanimously.

The meeting recessed at 05:59pm.

**Wednesday, September 12th, 2018, PM1 TGax Session (1:30PM-3:30PM)**

1. **The meeting called to order at 1:32pm by Chao-chun Wang (Mediatek), the chair of the TGax**
   1. 25 people are in the room.
2. **Announcement**
   1. Agenda Doc.11-18/1621 on the server. Rev. 0 is the working document.
   2. Meeting Protocol: The Chair asked for state name and affiliation when speaking for the first time.
   3. Attendance reminder.
      1. The attendance server: https://imat.ieee.org/
3. **The chair reviewed the mandatory 5 slides of P&P.**
   1. Instructions from the WG Chair. [reviewed~~, did not review~~]
   2. Participants, Patents, and Duty to Inform. [reviewed~~, did not review~~]
   3. Patent Related Links. [reviewed~~, did not review~~]
   4. Call for potentially essential patents.
      1. Chair asked if anyone is aware of potentially essential patents

[Asked. ~~Did not ask~~]

* + 1. Potentially essential patents

[None reported~~. Reported as follows~~]

* 1. Other Guidelines for IEEE WG Meetings.

1. **The Chair called for presentations**
   1. No additional presentation
2. **The Chair asked for approval of the agenda**
   1. No objection raised
3. **Presentation of contributions**
   1. **11-18/1415r2, “CR for SM Power Save”**

CID 16595

* + 1. Presented by Po-kai Huang (Intel)

Strawpoll#10: Move to accept resolutions to following CIDs in doc 11-18/1415r2(01 CIDs)

* CID 16595

Results: passed unanimously.

* 1. **11-18/1655r0, “Proposed resolution for CIDs for 27-2-2”**

CID 15669, 15728,15907,15908,16182,16456,16457,16932,16933,16934,17061,17062

* + 1. Presented by Kaiying Lv (ZTE)

C: Please defer resolution to CID15908

Strawpoll#11: Move to accept resolutions to following CIDs in doc 11-18/1655r1 (10 CIDs)

* CID 15669, 15728,15907, 16182,16456,16457, 16933,16934,17061,17062

Results: passed unanimously.

* 1. **11-18/1497r2, “CR for OPS”**

CIDs 17000 15022 17025 15877 15878 17027 15816 15821 15180 15115 15117 15169 16469 15170 15171 17026 15730 15172 16470 16471 15116 16473 15118 16474 15822 15167 15168

* + 1. Presented by Laurent Carious (Intel)

Strawpoll#12: Move to accept resolutions to following CIDs in doc 11-18/1497r2 (26 CIDs)

* CID 17000 15022 17025 15877 15878 17027 15816 15821 15180 15115 15117 15169 16469 15170 15171 17026 15172 16470 16471 15116 16473 15118 16474 15822 15167 15168

Results: passed unanimously.

* 1. **11-18/1511r1, “CR on CID 17024”**

CID 17024

* + 1. Presented by Ming Gan (Huawei)

C: Suggest Yongho to submit a comment for this change.

C: Nothing to do with this changed version.

* 1. **11-18/1652r0, “Comment Resolution CID 16942”**

CID 16942

* + 1. Presented by Liwen Chu (Marvell)

Strawpoll#13: Move to accept resolutions to following CIDs in doc 11-18/1652r0 (1 CID)

* CID 16942

Results: passed unanimously.

* 1. **11-18/1486r0, “Comment Resolution 27.5.3.5”**

CID 15758, 16173, 16505, 17138, 17139,

* + 1. Presented by Liwen Chu (Marvell)

Strawpoll#14: Do you accept resolution in doc 11-18/1486r0?

* CID 15758, 16173, 16505, 17138, 17139

Results: 6Y/1N/3Abs, SP passed

MAC ad hoc meeting adjourned at 3:09pm.