IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGax, MAC Ad hoc  January 2017 TGax MAC Ad hoc Meeting Minutes | | | | |
| Date: 2017-11-07 | | | | |
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Abstract

TGax, MAC Ad Hoc meeting minutes from the IEEE 802.11, January 16th – 20th, 2017.

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

**January 2017 Meeting, Atlanta, GA**

**January 16th – 20th, 2017**

**Monday, January 16th, 2017, PM2 TGax Session (16:00-18:30PM)**

1. **The meeting called to order at 16:00pm by Reza Hedayat (Newracom), the co-chair of the TGax MAC Ad hoc**
   1. About 45 people are in the room.
2. **Announcement**
   1. Agenda Doc.11-17/0128 on the server. Rev. 0 is the working document.
   2. Meeting Protocol: The Chair asked to 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. Alfred asked to include 131 and 132
2. **The Chair asked for approval of the agenda**
   1. No objection raised
3. **Presentation of contributions**
   1. **11-17/0037r0, “**Comment resolution for clause 10.28**”**
      1. Presented by Jarkko Kneckt (Apple)

CID 6541:

R: The bug is the baseline document can be changed.

Straw Poll: Do you agree to add to the 11ax specification D1.0 the comment resolution in document 17/37r0 for <CID:6541>

Passed: with no objection

* 1. **11-17/0085r0, “**CR for 9.2.5.2 and 9.2.5.7**”** 
     1. Presented by Po-Kai Huang (Intel)

CID 5448:

C: Revised the wording for trigger frame

C: Is it for single protection? Yes.

C: Beamforming report should follow the 11ac procedure. Agree and make a note in the specification.

* + 1. Revision **11-17/0085r1, “**CR for 9.2.5.2 and 9.2.5.7**”**

Straw Poll: Do you agree to add to the 11ax specification D1.0 the comment resolution in document 11-17/0085r1 for CID 5448,CID 5449, CID 8251, CID 7724, CID 7905, CID 8340, CID 9831

Passed: with no objection

* 1. **11-17/0045r1, “**lb225-cr-27\_11\_4**”**
     1. Presented by Yongho Seok (Newracom)

CIDs: 5475, 5388, 5734, 5213, 5477, 8240, 5214, ~~6779~~, 7604, 10291, 5479, 9953, 7168 (12 CID)

C: What is the use case?

C: In the transition period, the HE operation should use the new BSS color.

* 1. **11-17/0046r1, “**lb225-cr-27\_6\_4**”**
     1. Presented by Yongho Seok (Newracom)

- CIDs: 8501, 8717, 8718, 8719, 9086, 9604, 9930, 10071 (8 CID)

**Tuesday, November 8th, 2016, AM2 TGax Session (10:30-12:30AM)**

1. **The meeting called to order at 4:00pm by Reza Hedayat (Newracom), the co-chair of the TGax MAC Ad hoc**
   1. About 60 people are in the room.
2. **Announcement**
   1. Agenda Doc.11-17/0128 on the server. Rev. 0 is the working document.
   2. Meeting Protocol: The Chair asked to 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 contributions were requested to be added to the list of contributions.
   2. There are three submission added.
2. **The Chair asked for approval of the agenda**
   1. No objection raised
3. **Presentation of contributions**
   1. **11-17/0074r0, “Explanations for CR on 27.5.2.7”**
      1. Presented by Laurent Cariou (Intel)

C: Companion presentation, 44 is not well received in PHY session. Is it too early to run the straw poll? A: The straw poll will take place after more socialization.

C: Slide 10. Only a fix set of STAs is polled? Yes.

C: If an STA can’t respond, any follow up mitigation? Y: Not needed.

C: AID range assignment is too limiting. Should be more flexible.

C: Short NDP feedback only allows to feedback for one type of inform is also limiting.

C: Considering use partial bitmap for AID? Y: can be considered.

* 1. **11-17/0082r0, “comment resolution for subclause 11.2.2.”**
     1. Presented by Kaiying Lv (ZTE)
* CID 7156

C: Does the setting the bit indicated there is a buffered data for the PS STA?

A: Not necessary. The proposed resolution of the CID is not meant to address PS issue. The behavior of PS STA should be the same.

C: The solution for the CID is already in the specification. There is no need to add more clarification.

C: More data bit is in management frame. Not sure about the value to put it in control/response frame.

C: Suggest to also change the more data bit description in QoS control field.

* 1. **11-17/0104r1, “Discussion on CR for CID 5066”**
     1. Presented by Dengyu Qiao (Huawei)
* CID 5066

C: Why do you need random access in TWT, since an STA is already scheduled to wake up in TWT?

A: Random access should be use for different reasons for associated and un-associated STAs. Mixing it with TWT is really not necessary.

C: Random access don’t have to wait for TWT time. Mixing these two may create more problem.

* 1. **11-17/0116r0, “TWT Schedule Bitmap”**
     1. Presented by Matthew Fischer (Broadcom Limited)
* CID 8097

C: It will not work for OBSS because the time stamps of different BSSs are not aligned.

C: The complexity may out weight the benefit.

C: Does a STA have to wait for TBTT to identify the time of slot zero?

C: TWT is already quite complicate. This adds more complixity.

C: Are you trying to control the OBSS. A: On the contrary, you get information from your OBSS to make informed decision.

**Tuesday, November 8th, 2016, PM2 TGax Session (16:00-18:30PM)**

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   1. About 80 people are in the room.
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[None reported~~. Reported as follows~~]

* 1. Other Guidelines for IEEE WG Meetings.

1. **The Chair called for presentations**
   1. No additional contributions were requested to be added to the list of contributions.
2. **The Chair asked for approval of the agenda**
   1. No objection raised
3. **Presentation of contributions**
   1. **11-17/0115r2, “Comment resolution to clause 27.8”**
      1. Presented by Jarkko Kneckt (Apple)

* CIDs: 3077, 3218, 4783, 5196, 5197, 5948, 6192, 7023, 7024, 7025, 7026, 7027, 7404, 7507, 7613, 7615, 7617, 7890, 7970, 9592, 3217, 3219, 3220, 3221, 4784, 5198, 5199, 5679, 5949, 6013, 6015, 6016, 6017, 6157, 6158, 6190, 7028, 7029, 7030, 7031, 7202, 7247, 7614, 7616, 8085, 8720, 9409, 9723, 9724, 9725, 9726 and 9939

C: [5948] Should CCA the whole bandwidth and report as is? Will discuss offline.

C: [6192] Clarifying the text

C: [7404] Defer. Need more discussion

C: [7980] Revised

C: [3219] [7247] Defer