IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGax, MAC Ad hoc  July 2016 San Diego TGax MAC Ad hoc Meeting Minutes | | | | |
| Date: 2016-07-26 | | | | |
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Abstract

TGax, MAC Ad Hoc meeting minutes from the IEEE 802.11 San Diego session, July 25th – 29th, 2016.

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

**July 2016 San Diego Meeting**

**Grand Hyatt Manchester**

**July 25th – 29th, 2016**

**Tuesday, July 26th, 2016, AM2 TGax Session (10:30-12:30PM)**

1. **The meeting called to order at 10:30am by Reza Hedayat (Newracom), the co-chair of the TGax MAC Ad hoc**
   1. About 65 people are in the room.
2. **Announcement**
   1. Agenda Doc.11-16/0997 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. Minor re-ordering to the agenda to group contributions on similar topics
2. **The Chair asked for approval of the agenda**
   1. No objection raised
3. **Presentation of contributions**
   1. **11-16/829r2, “CIDs for: Section 10.24.10 Block Ack/GCR block ack”**
      1. Presented by Reza Hedayat (Newracom)
      2. Presenter will work offline with commenters, and return to this contribution later in this meeting
   2. **11-16/844r0, “Comment resolutions for intra-PPDU power save”**
      1. Presented by Alfred Asterjadhi (Qualcomm)
      2. Presenter will work offline with other members, and will return to this contribution later in this meeting
   3. **11-15/856r2, “Issue of Buffer Status reporting”**
      1. Presented by Pascal Viger (Canon)
      2. Strawpoll 1: “Do you agree to add to the 802.11ax draft specification v0.2 the following text :

25.5.2.5 HE buffer status feedback operation for UL MU :

*{end of chapter}*

*The Buffer Status Report of HE STA shall only indicate the amount of buffered data that the HE STA intends to transmit to the AP it is associated with.*

*Note: For example, this report does not include buffered data intended for a peer non-AP once a direct link is established*.”

* + - 1. Strawpoll deferred pending offline discussion, and will return to this contribution later in this meeting
    1. Strawpoll 2:“Do you agree to add the following note to the 802.11ax draft specification v0.2:

9.2.4.5.6 Queue Size subfield:

*Note for HE STA :*

*For MU operation, a HE STA only indicate the amount of buffered data that the HE STA intends to transmit to the AP it is registered with (refer to 25.5.2.5).”*

* + - 1. Strawpoll deferred pending offline discussion, and will return to this contribution later in this meeting
  1. **11-16/916r0, “TID value of ALL ACK signaling”**
     1. Presented by Woojin Ahn (WILUS)
     2. Strawpoll deferred pending offline discussion, and will return to this contribution later in this meeting
  2. **11-16/867r0, “CIDs: Section 9.3.1.9.3 Compressed BA format”**
     1. Presented by George Cherian (Qualcomm)
     2. Strawpoll deferred pending offline discussion, and will return to this contribution later in this meeting

1. **The Chair recessed the MAC ad-hoc session.**

**Tuesday, July 26th, 2016, PM3 TGax Session (7:30-9:30PM)**

1. **The meeting called to order at 1:30pm by Reza Hedayat (Newracom), the co-chair of the TGax MAC Ad hoc**
   1. About 47 people are in the room.
2. **Announcement**
   1. Agenda Doc.11-16/0997 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. None
2. **The Chair asked for approval of the agenda**
   1. No objection raised
3. **Presentation of contributions**
   1. **11-15/856r4, “Issue of Buffer Status reporting”**
      1. Presented by Pascal Viger (Canon)
      2. Strawpoll 1:Do you agree to add the following note to the 802.11ax draft specification v0.2:

­- 9.2.4.5.6 Queue Size subfield:

The Queue Size subfield is an 8-bit field that indicates the amount of buffered traffic, for a given TC or TS at the STA sending this frame.

*An HE non-AP STA uses the Queue Size subfield to indicate the amount of buffered traffic intended for the STA identified by the receiver address of the frame containing the QoS Control field.*

* + - 1. Results: Y/N/A: 14/3/5
  1. **11-16/829r3, “CIDs for: Section 10.24.10 Block Ack/GCR block ack”**
     1. Presented by Reza Hedayat (Newracom)
     2. Strawpoll 1: Do you agree to add to the 11ax specification D0.2 the comment resolutions in document 16/829r3 for CIDs: 22, 23, 24, 136, 414, 415, 587, 694, 21, 1213, 2615, 1442, 1443, 1756, 1769, 2231
        1. Results: Pass with unanimous consent
     3. Strawpoll 2: Do you agree to update the revision number to 16/829r3 in the comment resolutions for CIDs: 22, 23, 24, 136, 414, 415, 587, 694, 21, 1213, 2615, 1442, 1443, 1756, 1769, 2231
        1. Results: Pass with unanimous consent
  2. **11-16/867r2, “CIDs: Section 9.3.1.9.3 Compressed BA format”**
     1. Presented by George Cherian (Qualcomm)
     2. Strawpoll: Do you agree to add to the 11ax specification D0.2 the comment resolutions in document 16/867r2 for CIDs: 1275, 1270, 1269, 1139, 97, 2213, 1809, 1808, 1807, 1806
        1. Results: Pass with unanimous consent
  3. **11-16/844r2, “Comment resolutions for intra-PPDU power save”**
     1. Presented by Alfred Asterjadhi (Qualcomm)
     2. Strawpoll: Do you agree to add to the 11ax specification D0.2 the comment resolutions in document 16/844r2 for CIDs: 76, 194, 258, 259, 1598, 1773, 2849
        1. CID 1773 was later discovered to be part of MU but not MAC. To check with Editor.
        2. Results: Pass with unanimous consent
  4. **11-16/828r0, “Fragmentation – 25.3.3 – Part I”**
     1. Presented by Alfred Asterjadhi (Qualcomm)
     2. Strawpoll: Do you agree to add to the 11ax specification D0.2 the comment resolutions in document 16/828r0 for CIDs: 1482, 1481, 1480, 1479, 1478, 1476, 1475, 1474, 1473, 30, 1225, 1486, 967, 750, 697, 696, 1793, 424, 167, 2629, 2628, 2627, 2626, 2269, 1484, 1485, 1794, 1662, 1487, 2197, 2464, 2465, 1470, 165, 1217 (**35 CIDs**)
        1. Results: Pass with unanimous consent
  5. **11-16/871r2, “Trigger Frame Per User Info Order with Consideration of OFDMA Random Access”**
     1. Presented by Zhou Lan (Broadcom)
     2. Strawpoll: Do you support to

*Direct TGax Editor to add the following paragraph at the end of section 9.3.1.23 Trigger frame format according to the editing instruction provided by doc 11-16-0952r1*

“Per User Info fields with AID = 0 shall be allocated only after Per User Info fields with AID not equals to 0, if any, and before the MAC padding field, if present.”

* + - 1. Results: Pass with unanimous consent

1. **The Chair recessed the MAC ad-hoc session.**

**Wednesday, July 27th, 2016, PM1 TGax Session (1:30-3:30PM)**

1. **The meeting called to order at 1:30pm by Reza Hedayat (Newracom), the co-chair of the TGax MAC Ad hoc**
   1. About XX people are in the room.
2. **Announcement**
   1. Agenda Doc.11-16/0997 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. None
2. **The Chair asked for approval of the agenda**
   1. No objection raised
3. **Presentation of contributions**
   1. **11-16/860r1, “Comment Resolution on A-MPDU format”**
      1. Presented by Yongho Seok (Newracom)
      2. Strawpoll: Do you agree to add to the 11ax specification D0.2 the comment resolutions in document 16/860r1 for CIDs: 2484, 2483, 2482, 2481, 2430, 2429, 2489 (7 CID)
         1. Results: Pass with unanimous consent
   2. **11-16/861r2, “Comment Resolution on MU acknowledgment procedure”**
      1. Presented by Yongho Seok (Newracom)
      2. Strawpoll: Do you agree to add to the 11ax specification D0.2 the comment resolutions in document 16/861r2 for CIDs: 2608, 2607, 2606, 2488, 2487,1399, 2841 (7 CID)
         1. Results: Pass with unanimous consent
   3. **11-16/862r2, “Comment Resolution on MU acknowledgment procedure”**
      1. Presented by Yongho Seok (Newracom)
      2. Strawpoll: Do you agree to add to the 11ax specification D0.2 the comment resolutions in document 16/862r2 for CIDs: 73, 210, 192, 642, 1593, 1919, 643, 1595, 2259, 2260 (10 CID)
         1. Results: Y/N/A: 29/0/13
   4. **11-16/868r1, “CIDs for: Section 9.3.1.9.7 Multi STA BAs”**
      1. Presented by George Cherian (Qualcomm)
      2. Strawpoll: Do you agree to add to the 11ax specification D0.2 the comment resolutions in document 16/868r1 for CIDs: 80, 1284, 1182, 1143, 1286, 962, 1287, 831, 508, 367, 100, 99, 98, 999, 1812, 2580, 2458, 2414, 2389, 2232, 2185, 2170, 1285, 1813, 2582, 1811, 1810, 1715, 1291, 1288, 1814 (35 CID)
         1. Results:
4. **The Chair recessed the MAC ad-hoc session.**