IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGax, MAC Ad hoc  July 2015 Hawaii TGax MAC Ad hoc Meeting Minutes | | | | |
| Date: 2015-07-14 | | | | |
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Abstract

TGax, MAC Ad Hoc meeting minutes from the IEEE 802.11 Hawaii session, July 13th – 17th, 2015.

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

**July 2015 Hawaii Meeting**

**Hilton Waikoloa Village**

**July 13th – 17th, 2015**

**Tuesday, July 14th, 2015, AM2 TGax Session (10:30-12:30)**

1. **The meeting called to order at 10:30am by Brian Hart (Cisco Systems), the co-chair of the TGax MAC Ad hoc**
   1. About 73 people are in the room.
2. **Announcement**
   1. Agenda Doc.11-15/0888 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 change to the agenda.
   2. Split MAC topics into two miscellaneous and trigger-related. Start with miscellaneous topics first.
2. **The Chair asked for approval of the agenda**
   1. No objection raised
3. **Presentation of contributions**
   1. **11-15/615r3, “UL OFDMA Bandwidth”**
      1. Presented by Liwen Chu (Marvell)
      2. Strawpoll 1: “Do you agree to add the following to the SFD: UL OFDMA MPDU/A-MPDU is the acknowledgement of the trigger frame. When the AP receives MPDU correctly from at least one STA indicated by trigger frame, the frame exchange initiated by the trigger frame is successful”
         1. Results: Y/N/A: 43/6/22
         2. Strawpoll achieves >=75% support, and will be sent to TGax-Full for motion
   2. **11-15/841r0, “Cascading Structure”**
      1. Presented by David Yang (Huawei)
      2. Strawpoll 1: “Do you support to add the following to the SFD: A TXOP can include both DL MU and UL MU transmissions.”
         1. Results: Y/N/A: 38/0/22
         2. Strawpoll achieves >=75% support, and will be sent to TGax-Full for motion
      3. Strawpoll 2: “Do you support to add the following to the SFD: The spec shall include the definition of a cascading TXOP structure, allowing alternating DL and UL MU PPDUs starting with a DL MU PPDU in the same TXOP

- The TXOP sequence has only one DL transmitter

- The TXOP sequence may have different UL transmitters within each UL MU PPDU

- The TXOP sequence may have a different set of transmitters in an UL MU PPDU as compared to the DL MU PPDU that follows the UL MU PPDU within the same TXOP”

* + - 1. Results: Y/N/A: 28/4/23
      2. Strawpoll achieves >=75% support, and will be sent to TGax-Full for motion
    1. Strawpoll 3: “Do you support to add the following to the SFD: DL/UL OFDMA can multiplex different type of unicast frames in frequency domain

- Type of frame can be data frame/control frame/management frame”

* + - 1. Results: Y/N/A: 36/1/24
      2. Strawpoll achieves >=75% support, and will be sent to TGax-Full for motion
    1. Strawpoll 4: “Do you support to add the following to the SFD: DL/UL MU-MIMO can multiplex different type of unicast frames in spatial domain

- Type of frame can be data frame/control frame/management frame”

* + - 1. Results: Y/N/A: 34/4/21
      2. Strawpoll achieves >=75% support, and will be sent to TGax-Full for motion
  1. **11-15/871r0, “Efficiency enhancement for 802.11ax”**
     1. Presented by Guido R. Hiertz (Ericsson)
     2. Strawpoll 1: “Do you agree to add the following to the IEEE 802.11 TGax Specification Framework?

- Add to the end of Clause 6 (MAC): “The amendment shall define a HE STA to be a QMF STA.”

* + - 1. Results: Y/N/A: 23/0/37
      2. Strawpoll achieves >=75% support, and will be sent to TGax-Full for motion
    1. Strawpoll 2: “Do you believe that it would be helpful to add the following to the IEEE 802.11 TGax Specification Framework (not a “pre-motion”)?

- The amendment shall define a HE AP to implement Proxy ARP capability.”

* + - 1. Results: Y/N/A: 22/0/37
    1. Strawpoll 3: “Do you believe that adding the following to the IEEE 802.11 TGax Specification Framework would be helpful?

- The amendment shall consider a HE STA to implement intra-access category prioritization.

* + - 1. Results: Y/N/A: 16/4/40
      2. Not a pre-motion
    1. Strawpoll 4: “Do you believe that adding the following to the IEEE 802.11 TGax Specification Framework would be helpful?

- Add to the end of Clause 6 (MAC): “The amendment shall define an 802.1Q-2014 compliant UP to AC mapping.”

* + - 1. Results: Y/N/A: 9/8/37

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