IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGax, MAC Ad hoc  Sept 2015 Bangkok TGax MAC Ad hoc Meeting Minutes | | | | |
| Date: 2015-09-13 | | | | |
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Abstract

TGax, MAC Ad Hoc meeting minutes from the IEEE 802.11 Bangkok session, Sept 12th – 17th, 2015.

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

**Sept 2015 Bangkok Meeting**

**Centara Grand at CentralWorld, Bangkok, Thailand**

**September 13th – 18th, 2015**

**Monday, Sept 14th, 2015, PM1 TGax MAC Ad hoc Session (1:30-3:30)**

1. **The meeting called to order at 1:31pm by Reza Hedayat (Newracom), the co-chair of the TGax MAC Ad hoc**
   1. About 43 people are in the room at this time.
2. **Announcement**
   1. Agenda doc is 11-15/1126r0 is on the server.
   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. [reviewed~~, did not review~~]

1. **The Chair called for presentations**
   1. No requests for additional presentations were made. Reordering of presentations was requested and accepted
2. **The Chair asked for approval of the agenda**
   1. No objection raised
3. **Presentation of contributions**
   1. **“Multiple BSSID element”**
      1. 15/1014r0, 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): “HE STAs shall support the Multiple BSSID Set.”

* + - 1. Results: 17Y/2N/30A: //. Strawpoll achieves >=75% support; will be passed to TGax-Full for a motion
  1. **“802.11ae & 802.11ax”**
     1. 15/1013r1, 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: 5Y/10N/36A: //. Strawpoll does not achieve >=75% support; so will not be passed to TGax-Full for a motion
  1. **“Data field in HE PPDU”**
     1. 15/1033r0, presented by Yongho Seok (Newracom)
     2. Strawpoll 1: // withdrawn
     3. Strawpoll 2:

Do you agree to add the TGax SFD:

6.1 General  
An A-MPDU is transmitted in one of the below contexts

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| --- | --- |
| **Name of Context** | **Definition of Context** |
| Data Enabled Immediate Response | The A-MPDU is transmitted outside a PSMP sequence by a TXOP holder or an RD responder or an UL MU responder including potential immediate responses. |
| Data Enabled No Immediate Response | The A-MPDU is transmitted outside a PSMP sequence by a TXOP holder or an UL MU responder that does not include or solicit an immediate response. |
| Control Response | The A-MPDU is transmitted by a STA that is neither a TXOP holder nor an RD responder nor an UL MU initiator that also needs to transmit one of the following immediate response frames:  Ack, BlockAck frame with a TID for which an HT-immediate block ack agreement exists |
| HE single MPDU context | The A-MPDU is transmitted within a HE PPDU and contains a HE single MPDU. |

A Trigger frame is included in A-MPDU contents of Data Enabled Immediate Response, Data Enabled No Immediate Response, Control Response and HE single MPDU contexts

* + - 1. Results: 7Y/ 3N/ 37A: //. Strawpoll does not achieve >=75% support; so will not be passed to TGax-Full for a motion
    1. Strawpoll 3:

Do you agree to add the TGax SFD:

6.1 General  
In a downlink MU HE PPDU, at most one A-MPDU is allowed to contain one or more MPDUs that solicit an immediate response, except when an immediate response is carried in UL MU PPDU. In such case, one or more A-MPDUs are allowed to contain one or more MPDUs that solicit an immediate response carried in UL MU PPDU.

* + - 1. Results: 17Y/ 0N / 28A: //. Strawpoll achieves >=75% support; so will be passed to TGax-Full for a motion
    1. Strawpoll 4: // withdrawn

Mid session attendee count: **about** **75 people in the room.**

* 1. **“Notification of Operating Mode Changes”**
     1. 15/1034r0, presented by Yongho Seok (Newracom)
     2. Strawpoll 1:

Do you agree to add the TGax SFD:

6.2 Power Save  
HE STA may use a notification of its operating mode changes for 802.11ax power saving mechanism

* + - 1. Results: 5Y /0 N / 39A: //. Strawpoll achieves >=75% support; so will be passed to TGax-Full for a motion
    1. Strawpoll 2:

6.2 Power Save  
The Operating Mode Notification should specify a clarification for

A channel width that a STA can transmit

A number of spatial streams (Tx NSS) that a STA can transmit

* + - 1. Results: 5Y / 0N / 43A: //. Strawpoll achieves >=75% support; so will be passed to TGax-Full for a motion
  1. **“Airtime Analysis of EDCA”**
     1. 15/1114r1, presented by Sean Coffey (Realtek)

1. The Chair [recessed~~, did not recess~~] the MAC ad hoc session at 1:32 pm.