IEEE P802.11  
Wireless LANs

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| Minutes of TGax teleconference on July 5th, 2018 | | | | |
| Date: 2018-7-20 | | | | |
| Author(s): | | | | |
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Abstract

This document contains minutes of TGax teleconference on July 5th, 2018.

Rev. 0: Initial version.

# Teleconference on Thursday, July 5th, 2018, 10:00 – 12:00 (ET)

1. **Meeting called to order by Osama Aboul-Magd (Huawei Technologies), the chairperson of TGax @ 20:05 (ET).**
   1. Introduction of the chairperson Osama Aboul-Magd (Huawei Technologies) and the secretary Yasuhiko Inoue (NTT).
2. **Agenda Setting**
   1. Proposed Agenda
      1. Call the meeting to order
      2. IEEE-SA IPR Policy and Procedure
      3. Attendance (Please send an e.mail to Yasuhiko Inoue (inoue.yasuhiko@lab.ntt.co.jp) and/or Osama Aboul-Magd (osama.aboulmagd@huawei.com))
      4. Announcements
      5. 802.19 motion on TGax Coexistence Assurance document
      6. WBA Liaison
         1. <https://mentor.ieee.org/802.11/dcn/18/11-18-1106-00-0000-liaison-wba-communication-to-ieee-802-11-on-802-11ax-enhanced-wi-fi-wba-workstream.docx>
      7. Comment Assignment
         1. <https://mentor.ieee.org/802.11/dcn/18/11-18-1123-00-00ax-comments-on-tgax-d3-0.xlsx> - Robert Stacey, TGax Technical Editor.
      8. AOB
      9. Adjourn
   2. Approval of the agenda
      1. Chair asked if there is any item to add to the agenda. 🡪 No item to add to the agenda.
      2. Chair asked if there is any objection to approve the agenda. 🡪 No objection.
      3. The agenda was approved.
3. **IEEE 802 and 802.11 IPR Policy and Procedure**
   1. Chair mentioned that we are operating under the IEEE 802 and 802.11 Policy and Procedure.
   2. Relevant documents
      1. IEEE Patent Policy - <http://standards.ieee.org/board/pat/pat-slideset.ppt>
      2. Patent FAQ - <http://standards.ieee.org/board/pat/faq.pdf>
      3. LoA Form - <http://standards.ieee.org/board/pat/loa.pdf>
      4. Affiliation FAQ - <http://standards.ieee.org/faqs/affiliationFAQ.html>
      5. Anti-Trust FAQ - <http://standards.ieee.org/resources/antitrust-guidelines.pdf>
      6. Ethics - <http://www.ieee.org/portal/cms_docs/about/CoE_poster.pdf>
      7. IEEE 802.11 Working Group Operartions Manual - <https://mentor.ieee.org/802.11/dcn/14/11-14-0629-21-0000-802-11-operations-manual.docx>
      8. Participation in IEEE 802 Meetings
   3. Chair asked if there is any potentially essential patent that people are aware of.
      1. No potentially essential patent reported.
4. **Attendance**
   1. Chair asked the attendees to send an email to Yasu ([inoue.yasuhiko@lab.ntt.co.jp](mailto:inoue.yasuhiko@lab.ntt.co.jp)) and/or Osama ([osama.aboulmagd@huawei.com](mailto:osama.aboulmagd@huawei.com)) to record attendance.
5. **Announcement**
   1. Chair asked people to state name and affiliation when addressing for the first time during the session.
6. **802.19 motion on TGax Coexsitence Assurance document**
   1. 802.19 disapproved the TGax Coexistence Assurance document.
   2. A member asked if there is concrete idea of how to improve it. The answer is no.
   3. The result in the 802.19 was Y/N/A = 16/6/0. We missed by one vote.
   4. TGax chair will contact Steve Shellhanmmer, the chair of 802.19 WG, to have discussion on the CA document.
      1. Without the CA document approved, we cannot go to the sponsor ballot.
7. **WBA Liaison**
   1. We need to prepare for the response.
   2. Chittabrata Ghosh (Intel) will lead the discussion.
8. **Comment Assignment**
   1. Robert has already assigned some comments to a volunteer who had taken care of specific categories.
      1. PICS and MIB related comments are assigned to Edward Au (Huawei Technologies).
      2. There are about 500 comments yet to be classified.
   2. MAC Comment assignment by category/subclause number
      1. 802.19 Comments: We will have a joint meeting during July plenary. It is good to keep them open for now.
      2. 6 GHz: Laurent Cariou/Alfred Asterjadhi.
         1. Comment may be assigned to the commenter if submission is required.
      3. A-MPDU operation (9.7, 9.7.3, 27.10.4): Liwen Chu
      4. BQR: Zhou Lan
      5. BSS Color (27.11.4, 27.16.2, 9.4.2.243): Abhishek Patil
      6. Duration-based RTS: Huizhao Wang
      7. ER Beacon: Yongho Seok
      8. Fragmentation: Ming Gan
      9. NDP Feedback (9.3.1.23): Laurent Cariou
      10. MU-RTS: Po-Kai Huang
      11. OM Control: Jarkko Kneckt
      12. OPS: Laurent Cariou
      13. HE Sounding procedure (9.4.1.62~65, 27.6): Menzo Wentink
      14. TSPEC (9.4.2.30): Guoqing Li
      15. TWT (9.4.1.60, 9.4.2.200, 10.27): Alfred Asterjadhi
      16. UORA (27.5): Abhishek Patil
      17. Multi-BSS & Co-located BSS (11.1.3.8, 27.16.6): Abhishek Patil
      18. Trigger format: Abhishek Patil (except 9.3.1.23.7 and 9.3.1.23.8)
      19. MU EDCA Parameters: Laurent Cariou
      20. HE BSS Operation (27.6.1, 9.4.2.238): Alfred Asterjadhi
      21. Spatial Reuse:
          1. OBSS-PD (27.9.1, 27.9.2 and 9.4.2.241): Laurent Cariou
          2. others: Matthew Fischer
      22. TXVECTOR (27.11): Po-Kai Huang, etc.
      23. NAV: Po-Kai Hunag
      24. PPDU format (27.15): Yongho Seok
      25. Multirate:
   3. PHY Comment assignment
      1. Introduction (28.1): Lochan Verma
      2. PHY Capabilities (9.4.2.237.3): Lochan Verma
      3. TXVECTOR and RXVECTOR (28.2.2): Bo Sun
      4. Formula (28.3.8, 28.3.9, 28.3.10): Hongyuan Zhang
      5. Tx Rx spec. (28.3.18, 28.3.19): Youhan Kim
      6. Transmission Block Diagram (28.3.5): Xiaogang Chen
      7. HE-SIG-A and HE-SIG-B (28.3.10.7 and 28.3.10.8): Ross Jian Yu
      8. Non-HT: Xiaogang Chen
      9. HE PHY Introduction (28.3.1): Lochan Verma
      10. Transmitter Requirement (28.3.12, 28.3.15): Lochan Verma
      11. RU operation (subcarrier and resource allocation): Lochan Verma
      12. PPDU format (28.3.4, 28.3.16): Tianyu Wu
      13. 28.3.3.2.3: Lochan Verma
      14. PPDU encoding (28.3.6.2 and 28.3.6.9): Xiaogang Chen
      15. Pre-FEC padding (28.3.11.2): Hongyuan Zhang
      16. Rest of PHY comments 🡪 Bo to reassign them in the PHY ad hoc.
   4. General
      1. High Efficency (HE) STA (4.3.14a): Guoqing Li
      2. PHY service interface (8.3.4.4): Xiaogang Chen
      3. 9.2.4.6a A-Control: Yongho Seok
   5. Robert to submit a revision of comment spreadsheet (18/1123)
9. **AOB**
   1. Plans for the next week:
      1. Commnet resolution – the next milestone is November meeting to have the D4.0 and go to the WG recirculation ballot.
      2. WBA response
      3. Discussion with the 802.19 people.
   2. There will be a TGax ad hoc meeting before the September 2018 meeting.
      1. Chair called for the potential host for the ad hoc meeting.
10. **Adjournment**
    1. No time to go through the rest of the agenda items.
    2. Meeting adjourned at 20:18 (ET).
11. **List of Attendees – following people were on the call.**

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|  | **Name** | **Affiliation** |
| 1 | Osama Aboul-Magd | Huawei Technologies |
| 2 | Tomoko Adachi | Toshiba |
| 3 | Alfred Asterjadhi | Qualcomm |
| 4 | Stephane Baron | Canon |
| 5 | Xiaogang Chen | Intel |
| 6 | Liwen Chu | Marvell |
| 7 | Sean Coffey | RealTek |
| 8 | Ming Gan | Huawei Technologies |
| 9 | Po-Kai Huang | Intel |
| 10 | Yasu Inoue | NTT |
| 11 | Jae Seung Lee | ETRI |
| 12 | Yunbo Li | Huawei Technologies |
| 13 | Pooya Monajemi | Cisco |
| 14 | Sai Shankar Nandagoparan | Cypress |
| 15 | Kome Oteri | InterDigital Communications |
| 16 | Yujin Noh | Newracom |
| 17 | Abhishek Patil | Qualcomm |
| 18 | Al Petrick | InterDigital Communications |
| 19 | Sigurd Schelstraete | Qualntenna Communications |
| 20 | Yongho Seok | MediaTek |
| 21 | Bo Sun | ZTE |
| 22 | Rober Stacey | Intel |
| 23 | Jung Hoon Suh | Huawei Technologies |
| 24 | Lochan Verma | Qualcomm |
| 25 | Pascal Vigar | Canon Research |
| 26 | Xiaofei Wang | InterDigital Comminications |
| 27 | Tianyu Wu | MediaTek |
| 28 | Rui Yang |  |
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