IEEE P802.11  
Wireless LANs

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| IEEE 802.11  Minutes of TGax Teleconference from January to February 2020 | | | | |
| Date: 2020-01-30 | | | | |
| Author(s): | | | | |
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Abstract

This document contains the minutes from the TGax conference calls from January to February, 2020.

Revision History:

* R0: Initial version.

Minutes from TGax teleconference on January 30th, 2020.

**Thursday, January 30th, 2020, TGax Teleconference (10:00 - 12:00 ET)**

1. **The meeting called to order at 10:03 AM (ET) by Osama Aboul-Magd (Huawei Technologies), the chairperson of 802.11 TGax.**
   1. Introduction of TGax chairperson and secretary.
   2. The agenda document 11-20/0250r0 is on the server.
2. **Agenda Setting**
   1. Proposed agenda for the TGax Teleconference on January 30th, 2020.
      1. Call meeting to order
      2. Attendance Reminder – Please send an e-mail to Yasuhiko Inoue (yasu.inoue.h2k5@gmail.com) and/or Osama Aboul-Magd (Osama.aboulmagd@huawei.com)
      3. Comment Assignment – Robert Stacey and All
         1. https://mentor.ieee.org/802.11/dcn/20/11-20-0241-00-00ax-sa1-comments-on-tgax-d6-0.xlsx
      4. AoB
      5. Adjourn
   2. Chair asked if there is any objection to proceed with this agenda. 🡪 No objection.
      1. **The agenda for the TGax teleconference on January 30th, 2020 is approved.**
3. **Announcements**
   1. Chair asked the attendees to announce name and the affiliation when addressing the group for the first time during a meeting slot.
   2. Attendance: Please send an e-mail to Yasuhiko Inoue (yasu.inoue.h2k5@gmail.com) and/or Osama Aboul-Magd (Osama.aboulmagd@huawei.com)
   3. Chair asked people to put the cellphone mute of switch off.
4. **IEEE 802 and 802.11 IPR policy and procedure**
   1. Patent Policy:
      1. Participants have a duty to inform the IEEE - done.
         * Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
         * Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims
      2. Ways to inform IEEE: - done
         * Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
         * Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
         * Speak up now and respond to this Call for Potentially Essential Patents
           + If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair
         1. Chair asked if anyone in this meeting is aware of any potentially essential patents.
            1. **No potentially essential patent reported.**
      3. Other guidelines for IEEE WG meetings – done

* All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
  + Don’t discuss the interpretation, validity, or essentiality of patents/patent claims.
  + Don’t discuss specific license rates, terms, or conditions.
  + Don’t discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
  + Don’t discuss the status or substance of ongoing or threatened litigation.
  + Don’t be silent if inappropriate topics are discussed … do formally object.
    1. Patent-related information – done

The patent policy and the procedures used to execute that policy are documented in the:

* + - *IEEE-SA Standards Board Bylaws* ([http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6](http://standards.ieee.org/develop/policies/bylaws/sect6-7.html%236))
    - *IEEE-SA Standards Board Operations Manual* ([http://standards.ieee.org/develop/policies/opman/sect6.html#6.3](http://standards.ieee.org/develop/policies/opman/sect6.html%236.3))

Material about the patent policy is available at

[*http://standards.ieee.org/about/sasb/patcom/materials.html*](http://standards.ieee.org/about/sasb/patcom/materials.html)

* + 1. Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct - done
    2. Participants in the IEEE-SA “individual process” shall act independently of others, including employers - done
    3. IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints - done

1. **Comment Assignment**
   1. Robert Stacey (Intel), the technical editor of TGax, has sent out the initial comment assignment.
      1. The main topic is unassigned comments.

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| **Assignee** | **Count of CID** |
| **Abhishek Patil** | **40** |
| Multi-BSS | 11 |
| UORA | 9 |
| BSS color | 20 |
| **Alfred Asterjadhi** | **44** |
| TWT | 20 |
| HE BSS operation | 1 |
| Queue Size | 4 |
| 6 GHz in band discovery | 19 |
| **Bo Sun** | **71** |
| (blank) | 70 |
| UWB coex | 1 |
| **Brian Hart** | **5** |
| PHY HE-SIG-B | 5 |
| **Editor** | **126** |
| Editorials | 126 |
| **George Cherian** | **31** |
| HE ack procedure | 31 |
| **Jarkko Kneckt** | **3** |
| OM Control | 1 |
| TSPEC | 2 |
| **Kaiying Lv** | **4** |
| QTP | 4 |
| **Laurent Cariou** | **25** |
| Spatial Reuse | 4 |
| NDP feedback | 2 |
| OPS | 3 |
| MU EDCA | 11 |
| RNR | 2 |
| 6 GHZ out of band discovery | 3 |
| **Liwen Chu** | **15** |
| A-MPDU operation | 15 |
| **Matt Fischer** | **5** |
| Fragment Flush | 1 |
| Inactive subchannels | 4 |
| **Menzo Wentink** | **12** |
| Sounding protocol | 12 |
| **Ming Gan** | **4** |
| Fragmentation | 4 |
| **Osama Aboul-Magd** | **18** |
| MIB | 12 |
| PICS | 6 |
| **Po-Kai Huang** | **15** |
| MU-RTS/CTS | 4 |
| NAV | 7 |
| SMPS | 4 |
| **Xiaogang Chen** | **3** |
| PHY tx/rx procedures | 3 |
| **Yongho Seok** | **1** |
| UL MU Power Capabilities | 1 |
| **Youhan Kim** | **5** |
| PHY Tx mask | 5 |
| **Zhou Lan** | **2** |
| BQR | 2 |
| **(blank)** | **138** |
| (blank) | 60 |
| HT Control | 5 |
| PHY Intro | 3 |
| HE BSS operation | 5 |
| Annex G | 4 |
| MU cascading | 3 |
| 6 GHz channelization | 13 |
| 6 GHz CCA threshold | 1 |
| Preamble puncturing | 7 |
| MAC intro | 3 |
| 6 GHz capabilities | 23 |
| PHY RX/TXVECTOR | 11 |
| **Jonathan Segev** | **2** |
| FTM | 2 |
| **Grand Total** | **569** |

* 1. Most of the comments are assigned to volunteers.
  2. Robert to share the updated comment sheet.
     1. https://mentor.ieee.org/802.11/dcn/20/11-20-0241-01-00ax-sa1-comments-on-tgax-d6-0.xlsx

1. **AoB**
   1. Chair asked people to make use of the conference call.
   2. TGax CRC Ad hoc meeting:
      1. People agreed that it will be difficult to schedule the ad hoc meeting since TGbe will have one day ad hoc before the March meeting and there will be another meeting of an industry alliance.
2. **Adjourn**
   1. TGax teleconference adjourned @ 11:03 (ET).
3. **List of Attendees**

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| Name | Affiliation |
| Osama Aboul-Magd | Huawei Technologies |
| Alfred Asterjadhi | Qualcomm |
| Xiaogang Chen | Intel |
| Po-Kai Huang | Intel |
| Yasuhiko Inoue | NTT |
| Youhan Kim | Qualcomm |
| Jarkko Kneckt | Apple |
| Patrice Nezou | Canon Research |
| Abhishek Patil | Qualcomm |
| Al Petrick | InterDigital |
| Mark Rison | Samsung |
| Sigurd Schelstraete | Quantenna |
| Robert Stacey | Intel |
| Bo Sun | ZTE |
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