IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TGax Teleconference Minutes from September to October 2016 | | | | |
| Date: 2016-10-05 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Yasuhiko Inoue | NTT | 1-1 Hikaro-no-oka, Yokosuka, Kanagawa 238-0847 Japan | ++81-46-859-5097 | inoue.yasuhiko@lab.ntt.co.jp |
|  |  |  |  |  |

Abstract

This document contains minutes of TGax teleconference from September to October 2016.

Rev. 0: The minutes from TGax teleconference on Septeber 29th, 2016.

Rev. 1: Included the minutes from TGax teleconference on October 13th, 2016.

# Teleconference on Thursday, September 29th, 2016, 10:00 – 12:00 (ET)

1. Meeting called to order by Osama Aboul-Magd (Huawei Technologies) @ 10:04 (ET).
2. Agenda Setting
   1. Proposed Agenda
      1. Call the meeting to order
      2. IEEE 802 and 802.11 IPR Policy and Procedure
      3. Annoucement
      4. Attendance (Please send an e.mail to Yasuhiko Inoue (inoue.yasuhiko@lab.ntt.co.jp) and/or Osama Aboul-Magd (osama.aboulmagd@huawei.com))
      5. Presentation
         1. 11-16-1064-02 “A Unified Approach to Spatial Reuse,” Graham Smith (SR Technologies)
      6. AOB
      7. Adjourn
   2. Approval of the agenda
      1. Chair asked if there is any discussion on the agenda.
      2. 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/14/11-14-0629-14-0000-802-11-operations-manual.docx>
   3. Chair asked if there is any potentially essential patent that people are aware of.
      1. No potentially essential patent reported.
4. Announcement
   1. Chair asked the attendees to state name and affiliation when speaking for the first tme.
   2. Chair mentioned that Eldad Perahia who had created CA documents for 802.11n, 802.11ac, etc. agreed to create CA document for the 802.11ax which has to be ready before start of the WG letter ballot.
5. 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.
6. Presentations
   1. **Graham Smith (SR Technologies) presented “TGax A Unified Approach to Spatial Reuse,” based on the submission 11-16-1064-02.**
      1. Summary:
         1. DSC can be merged with OBSS\_PD based spatial reuse using BSS Color, Transmit Power Control, and CCA Treshold adjustment.
         2. Proposals contained in slide 9 satisfy all conditions described in the previous presentations.
         3. Proposed text contained in 11-16-1063-02.
      2. Discussion:
         1. No discussion
      3. Next Step:
         1. Chair asked Graham to present this material during the next face to face meeting in San Antonio again. Graham agreed.
7. AOB
   1. No other business.
8. Adjourn
   1. Meeting adjourned at 10:38 (ET).
9. List of Attendees

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Affiliation** |
| 1 | Osama Aboul-Magd | Huawei Technologies |
| 2 | David Bagby | Calypso Ventures |
| 3 | Stephane Baron | Canon |
| 4 | Bill Carney | SONY |
| 5 | Mark Hamilton | Ruckus Wireless |
| 6 | Yasuhiko Inoue | NTT |
| 7 | Junichi Iwatani | NTT |
| 8 | Parag Kulkarni | Toshiba |
| 9 | Sungeun Lee | Cypress |
| 10 | Oghenekome Oteri | InterDigital |
| 11 | Al Petrick | Jones-Petrick and Associates |
| 12 | Jon Rosdahl | Qualcomm |
| 13 | Sigurd Schelstraete | Quantenna |
| 14 | Graham Smith | SR Technologies |
| 15 | Jung Hoon Suh | Huawei |
| 16 | Yusuke Tanaka | SONY |
| 17 | Pascal Viger | Canon |
| 18 | Xiaofei Wang | InterDigital |
| 19 |  |  |
| 20 |  |  |
| 21 |  |  |
| 22 |  |  |
| 23 |  |  |
| 24 |  |  |
| 25 |  |  |

# Teleconference on Thursday, October 13th, 2016, 20:00 – 22:00 (ET)

1. Meeting called to order by Osama Aboul-Magd (Huawei Technologies) @ 20:03 (ET).
2. Agenda Setting
   1. Proposed Agenda
      1. Call the meeting to order
      2. IEEE 802 and 802.11 IPR Policy and Procedure
      3. Annoucement
      4. Attendance (Please send an e.mail to Yasuhiko Inoue (inoue.yasuhiko@lab.ntt.co.jp) and/or Osama Aboul-Magd (osama.aboulmagd@huawei.com))
      5. Presentation
         1. 11-16-1332-01, “Draft P802.11ax\_D0.1 Comment Resolution,” Jinjing Jiang (Marvell)
         2. 11-16-1335-00, “IEEE 802.11ax Annex B (PICs),” Osama Aboul-Magd (Huawei Technologies)
         3. 11-16-1336-00, “Clause 4.3.12a Comment Resolution,” Osama Aboul-Magd (Huawei Technologies)
      6. AOB
      7. Adjourn
   2. Approval of the agenda
      1. Chair asked if there is any discussion on the agenda.
      2. 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/14/11-14-0629-14-0000-802-11-operations-manual.docx>
   3. Chair asked if there is any potentially essential patent that people are aware of.
      1. No potentially essential patent reported.
4. Announcement
   1. Chair asked the attendees to state name and affiliation when speaking for the first tme.
   2. Chair mentioned that Eldad will create the CA document for the 802.11ax. We will be able to review it during the conference call the week after next.
5. 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.
6. Presentations
   1. **Jinjing Jiang (Marvell) presented “Draft P802.11ax\_D0.1 Comment Resolution,” based on the submission 11-16-1332-02.**
      1. Summary
         1. Resolutions for the following CIDs and proposed changes to the draft are included.
            1. CIDs: 861, 1073, 16, 1398, 1212, 1211, 1176, 964, 823, 798, 797, 781, 733, 1400, 1072, and 735.
      2. Discussion
         1. Resulutions for some CIDs such as 1073 and 1212 should be changed from “Accept” to “Revised” since the presenter provided some texts.
         2. Need to include instruction to the editor in the resolution.
      3. Next step
         1. Jinjing to revise the document based on the comments received during the call.
   2. **Osama Aboul-Magd (Huawei Technologies) presented “IEEE 802.11ax Annex B (PICs),” based on the submission 11-16-1335-00.**
      1. Summary
         1. Osama proposed the Annex B (PICS) as the response to CIDs 1700 and 2504.
      2. Discussion
         1. There were some discussion on the expression of HE devices.
         2. Some items such as Beamforming and CQI only feedback suggested to add.
         3. Clarification of transmitter behaviour or receiver behaviour requested for some items.
      3. Next step
         1. Osama to update the document.
   3. **Osama Aboul-Magd (Huawei Technologies) presented “Clause 4.3.12a Comment Resolution,” based on the submission 11-16-1336-00.**
      1. Summary
         1. Resolutions for the nine CIDs on clause 4.3.12a proposed.
            1. CIDs: 81, 82, 710, 1226, 1235, 1236, 1351, 1707, and 1776.
      2. Discussion
         1. Some editorial corrections suggested.
      3. Next step
         1. Osama to upload revision 1 of this document incorporating the changes based on the discussion.
7. AoB
   1. No other business to conduct.
8. Adjourn
   1. TGax teleconference adjourned @ 21:43.
9. List of Attendees

|  |  |  |
| --- | --- | --- |
|  | **Name** | **Affiliation** |
| 1 | Osama Aboul-Magd | Huawei Technologies |
| 2 | Tomoko Adachi | Toshiba |
| 3 | Woojin Ahn | WILUS Institute |
| 4 | David Bagby | Calypso Ventures |
| 5 | Jinsoo Choi | LG Electronics |
| 6 | Liwen Chu | Marvell |
| 7 | Hanseul Hong | Yonsei Univ. |
| 8 | Yasuhiko Inoue | NTT |
| 9 | Junichi Iwatani | NTT |
| 10 | Jinjing Jiang | Marvell |
| 11 | Jeongki Kim | LG Electronics |
| 12 | Joonsuk Kim | Apple |
| 13 | Geonjung Ko | WILUS Institute |
| 14 | Oghenekome Oteri | InterDigital |
| 15 | Jayh Park | LG Electronics |
| 16 | Al Petrick | Jones-Petrick and Associates |
| 17 | Kiseon Ryu | LG Electronics |
| 18 | L. Sun | IDCC |
| 19 | Lochan Verma | Qualcomm |
| 20 | Xiaofei Wang | InterDigital |
| 21 |  |  |
| 22 |  |  |
| 23 |  |  |
| 24 |  |  |
| 25 |  |  |