IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGax Teleconference Minutes, March 3rd, 2016 | | | | |
| Date: 2016-03-04 | | | | |
| Author(s): | | | | |
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Abstract

This document contains minutes of TGax teleconference on February 4th, 2016.

# Teleconference on Thursday, March 3rd, 2016, 10:00 – 12:00 (ET)

1. Meeting called to order by Osama Aboul-Magd (Huawei Technologies) @ 10:05 (ET).
2. 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.
3. Agenda
   1. Proposed Agenda
      1. Call the meeting to order
      2. IEEE 802 and 802.11 IPR Policy and Procedure
      3. Annoucement
      4. Attendance
      5. Presentations
         1. Proposed draft Specification ([11-16/0024r1](https://mentor.ieee.org/802.11/dcn/16/11-16-0024-01-00ax-proposed-draft-specification.docx)) Robert Stacey (Technical Editor)
         2. Results for Beacon Collisions ([11-16/0297r0](https://mentor.ieee.org/802.11/dcn/16/11-16-0297-00-00ax-results-for-beacon-collisions.pptx)) Evgeny Khorov (IITP RAS)
      6. Next Call
      7. AOB
      8. Adjourn
   2. Approval of the agenda
      1. Chair asked if there is any discussion on the agenda.
      2. The agenda was approved.
4. Announcement
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. Presentation
   1. Robert Stacy (Intel), TGax Technical Editor, presented “Proposed draft specification,” based on the submission 11-16-0024-01.
      1. Summary
         1. According to the structural changes of the REVmc draft, the structure of the proposed draft specification was also changed.
         2. Changes from the previous version are basically in the MAC sections.
         3. One of the biggest changes in the PHY part is calculation of PHY TXTIME.
      2. Discussions
         1. A member asked if he could track changes in the document. The editor mentioned he will use framemaker to create the draft which makes it easier to create redlined version of the document.
         2. The process of editing/modifying the proposed draft spec document was discussed. The editor welcomes volunteers to bring the text for the draft in the formal comment collection and resolution phase. However, the editor does not expect too much changes being made in the document before the comment collection process for the consistency of the document that people review.
         3. Another member asked for clarification of the relation between the SFD and the proposed draft specification. The basic assumption is that the agreements in the TG will be put in the SFD and the proposed draft spec contains the detailed specifications.
         4. Chair discussed how to process the decisions being made in the March 2016 session. The editor suggested to update both SFD and proposed draft specification document in parallel until the editor creates the draft 1.0.
   2. Evgeny Khorov (IITP RAS) presented “Results for Beacon Collisions,” based on the submission 11-16-0297-00.
      1. Summary
         1. Collisions of beacons sent by hidden APs are typical for the residential scenario.
         2. The probability of a beacon collision depends on a particular scenario. In the residential scenario, up to 9 neighboring APs can send beacons which collide with the beacons send by the AP in the flat.
         3. Different beacon intervals cannot solve the problem, since apart from beacons APs also transmit data.
      2. Discussions
         1. Chair suggested straw polls being conducted during the March 2016 session. The presenter agrees with it.
         2. A member commented that some simulation conditions such as the distribution of AP will also have an impact on the collision probability of the beacons.
7. Next call
   1. No more conference call is scheduled before the March 2016 session.
8. AOB
   1. No other business to conduct.
9. Adjourn
   1. Meeting adjourned at 11:28 AM (ET).

**List of Attendees**

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|  | **Name** | **Affiliation** |
| 1 | Osama Aboul-Magd | Huawei Technologies |
| 2 | Yasuhiko Inoue | NTT |
| 3 | Robert Stacy | Intel |
| 4 | Carol Ansley | ARRIS Group |
| 5 | David Bagby | Calypso Ventures |
| 6 | Stephane BARON | Canon |
| 7 | Zubeir Bocus | Toshiba |
| 8 | Ma Jin | NICT |
| 9 | Kashik Josiam | Samsung |
| 10 | Evgeny Khorov | IITP RAS |
| 11 | Anton Liyanov | IITP RAS |
| 12 | Parag Kulkarni | Toshiba |
| 13 | Jae Seung Lee | ETRI |
| 14 | James Lepp | Blackberry |
| 15 | Patrice Nezou | Canon |
| 16 | Kome Oteri | InterDigital Communications |
| 17 | Sigurd Schelstraete | Quantenna Communications |
| 18 | John Son | Wilus Institute |
| 19 | Jung Hoon Suh | Huawei |
| 20 | Esa Tuomaala | Nokia |
| 21 | Pascal Viger | Canon |
| 22 | Huizhao Wang | Quantenna Communications |
| 23 | Lei Wang | Marvell |
| 24 | Xiaofei Wang | InterDigital Communications |
| 25 | Leif Wilhelmsson | Ericsson AB |
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There were 35 attendees on the call.