IEEE P802.11  
Wireless LANs

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| HEW SG teleconference minutes – 20140206 | | | | |
| Date: 2014-07-02 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Yasuhiko Inoue | NTT | 1-1 Hikari-no-oka, Yokosuka, Kanagawa 239-0847 Japan | +81 46 859 5097 | inoue.yasuhiko@lab.ntt.co.jp |

Abstract

This document contains the meeting minutes of the IEEE 802.11 TGax teleconference on 2014-07-02.

**Teleconference time: Wednesday, July 2nd, 2014, 10:00 AM (ET)**

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Start time by time zones

**<Proposed Agenda>**

* Call the meeting to order
* Reminder
  + IEEE 802 and 802.11 IPR policies and procedures
  + Attendance Reminder (send an e-mail to inoue.yasuhiko@lab.ntt.co.jp and/or osama.aboulmagd@huawei.com)
* Presentation by Graham Smith (DSP Group), “Dynamic Sensitivity Control  
   Practical Usage”
  + https://mentor.ieee.org/802.11/dcn/14/11-14-0779-00-00ax-dsc-practical-usage.pptx
* AoB
* Adjourn

<**Minutes>**

**Agenda Item #1: Call the meeting to order**

Osama Aboul-Magd, the Chairperson of the IEEE 802.11 TGax, called the meeting to order at 2014-07-02 at 10:00 AM Eastern Time.

**Agenda item #2: Reminder**

* **IEEE 802 and 802.11 IPR Policies and Procedures**

Chair reminded that the meeting is operating under IEEE 802 and IEEE 802.11 Policies and Procedures.

* <http://standards.ieee.org/develop/policies/antitrust.pdf>
* [IEEE Code of Ethics](http://www.ieee.org/about/corporate/govermance/p7-8.html)
* <http://standards.ieee.org/faqs/affiliation.html>
* <http://standards.ieee.org/board/pat/loa.pdf>
* <http://standards.ieee.org/board/pat/index.html>
* <http://standards.ieee.org/board/pat/pat-slideset.ppt>
* <http://standards.ieee.org/board/pat/faq.pdf>
* <http://www.ieee802.org/policies-and-procedures.pdf>
* <http://www.ieee802.org/PNP/2008-11/LMSC_OM_approved_081114.pdf>

The Chairperson calls for potential essential patents. There was no response.

* **Attendance**

The chair also reminded that the attendees to send e-mail to [inoue.yasuhiko@lab.ntt.co.jp](mailto:inoue.yasuhiko@lab.ntt.co.jp) and [osama.aboulmagd@huawei.com](mailto:osama.aboulmagd@huawei.com) to record the attendance in the minutes.

**Agenda Item #3: Agenda Setting**

<Proposed Agenda>

1. Call the meeting to order
2. Reminder
   * IEEE 802 and 802.11 IPR policies and procedures
   * Attendance (send an e-mail to [inoue.yasuhiko@lab.ntt.co.jp](mailto:inoue.yasuhiko@lab.ntt.co.jp) and/or [osama.aboulmagd@huawei.com](mailto:osama.aboulmagd@huawei.com) )
3. Agenda Setting 🡨 We are here.
4. Presentation by Graham Smith (DSP Group)
   * <https://mentor.ieee.org/802.11/dcn/14/11-14-0779-00-00ax-dsc-practical-usage.pptx>
5. AoB
6. Adjourn

Chair asked for any changes and modifications to the proposed agenda. No changes were made.

The agenda was approved.

**Agenda Item #4: Presentation by Graham Smith (14/779r0)**

* Graham Smith (DSP Group) presented “Dynamic Sensitivity Control Practical Usage,” based on 14/0799r0.
  + Summary
    - Reviewed basic idea of DSC – advantages and concerns summarized in slide 7.
    - The effect on the legacy STAs – no impact.
    - Huge advantage of DSC expected in managed/enterprise networks. Residential scenarios as well, especially densely deployed places.
    - Upper limit of -30 to -40 dBm and margin of 20 to 25 dB would probably show significant advantages with respect to the efficiency and OBSS.
  + Discussions
    - Member#1, Q: How to evaluate this technology?
      * A: Good question. Currently MAC level simulations have been conducted. Need to discuss about how to do the system level simulations including PHY features and channel models.
    - Member#2, Q1: Interference from the DSC STA to legacy – DCS transmissions are overlapping with legacy transmissions. Need to investigate the impact of interference.
      * A: Need to make sure that the margin is sufficient.
    - Member#2, Q2: Asked about the traffic model – Full buffer for DCS STAs could potentially lock out the legacy transmissions.
      * A: Need to investigate the upper limit and margin.
    - Member#3, C on slide 11: Legacy STAs/NW see the DSC transmissions but the DCS STAs do NOT see the legacy transmissions.
      * A: Need to investigate the impact more.

**Agenda Item #5: AOB**

* Next Meeting
  + IEEE 802 July 2014 Plenary in San Diego.
  + Chair to issue a call for presentation on the reflector soon.

**Agenda Item #6: Adjourn:**

The TGax teleconference adjourned at 11:04 AM (ET).

<**Attendees>**

|  |  |  |
| --- | --- | --- |
| **#** | **Name** | **Affiliation** |
| 1 | Osama Aboul-Magd | Huawei |
| 2 | Carol Ansley | ARRIS Group |
| 3 | Mathilde Bebveniste | En-aerion |
| 4 | Laurent Cariou | Orange |
| 5 | William Carney | SONY |
| 6 | Douglas Chan | UC Berkeley |
| 7 | Jinsoo Choi | LG Electronics |
| 8 | Sayantan Choudhury | Nokia |
| 9 | Ahmadreza Hedayat | Cisco |
| 10 | Po-kai Huang | Intel |
| 11 | Yasuhiko Inoue | NTT |
| 12 | Kaushik Josiam | Samsung |
| 13 | Akira Kishida | NTT |
| 14 | Jae Seung Lee | ETRI |
| 15 | Eunsung Park | LG Electronics |
| 16 | Simone Merlin | Qualcomm |
| 17 | Sigurd Schelstraete | Quantenna |
| 18 | Yongho Seok | <company> |
| 19 | Graham Smith | DSP Group |
| 20 | John Son | WILUS Institute |
| 21 | Robert Stacy | Intel |
| 22 | Lei Wang | Marvell |
| 23 | Eric Wong | Apple |

Total 41 people were on the call.