IEEE P802.11
Wireless LANs

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| HEW SG teleconference minutes – 20131204 |
| Date: 2013-12-12 |
| 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 HEW SG teleconference on 2013-12-04.

# Teleconference time: 2013-12-04, 10:00 ET

**General Information**

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Meeting information
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Topic: HEW SG
Date: Every Wednesday, from Wednesday, December 4, 2013 to Wednesday, January 8, 2014
Time: 10:00 am, Eastern Standard Time (New York, GMT-05:00)
Meeting Number: 740 089 161
Meeting Password: wirelesslan**

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**<Proposed Agenda>**

* Call the meeting to order
* IEEE 802 and 802.11 IPR policies and procedures
	+ Attendance Reminder (send an e-mail to inoue.yasuhiko@xxxxxxxxxxxxx and/or osama.aboulmagd@xxxxxxxxxx )
* Agenda Setting
* <https://mentor.ieee.org/802.11/dcn/13/11-13-1493-00-0hew-hew-sg-straw-polls-results.pptx> - Osama Aboul-Magd  (15 minutes)
* <https://mentor.ieee.org/802.11/dcn/13/11-13-1487-01-0hew-apartment-capacity-dsc-and-channel-selection.pptx>  -  Graham Smith (45 minutes)
* <https://mentor.ieee.org/802.11/dcn/13/11-13-1410-01-0hew-802-11-hew-draft-par-and-5c.docx>   - All (60 minutes)
* <https://mentor.ieee.org/802.11/dcn/13/11-13-1489-02-0hew-airport-capacity-analysis.pptx> - Graham Smith (if time allows, or next telecon)
* AoB
* Adjourn

<**Minutes>**

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

Osama Aboul-Magd, the Chair of the HEW SG, called the meeting to order at 2013-12-04 at 10:00 ET.

**Agenda Item #2: IEEE 802 and 802.11 IPR policies and procedures**

The Chair reminded that the teleconference is bound by the conditions stipulated by the documentation below.

* <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 Chair asks if there is anyone not familiar with IEEE policy. No response noted.

The Chairman calls for potential essential patents. No one responds to the call and no claims are brought forward.

The Chairman reminds all attendees to take attendance by sending email to Yasu, inoue.yasuhiko@lab.ntt.co.jp, and/or Osama, Osama.AboulMagd@huawei.com.

**Agenda Item #3: Agenda Setting**

<Proposed Agenda>

1. Call the meeting to order
2. IEEE 802 and 802.11 IPR policies and procedures
	* Attendance Reminder (send an e-mail to inoue.yasuhiko@xxxxxxxxxxxxx and/or osama.aboulmagd@xxxxxxxxxx )
3. Agenda Setting
4. <https://mentor.ieee.org/802.11/dcn/13/11-13-1493-00-0hew-hew-sg-straw-polls-results.pptx> - Osama Aboul-Magd  (15 minutes)
5. <https://mentor.ieee.org/802.11/dcn/13/11-13-1487-02-0hew-apartment-capacity-dsc-and-channel-selection.pptx>  -  Graham Smith (45 minutes)
6. <https://mentor.ieee.org/802.11/dcn/13/11-13-1410-01-0hew-802-11-hew-draft-par-and-5c.docx>   - All (60 minutes)
7. <https://mentor.ieee.org/802.11/dcn/13/11-13-1489-02-0hew-airport-capacity-analysis.pptx> - Graham Smith (if time allows, or next telecon)
8. AoB
9. Adjourn

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

The agenda was approved.

**Agenda Item #4: HEW SG Straw Poll Results**

* Osama Aboul-Magd (Huawei Technoogies), Chair of HEW SG, explained the HEW SG Straw Poll Results, based on 13/1493r0.

<Straw Poll Results>

SP#1: Qualitative PAR or Quantitative PAR? 🡪 Quantitative PAR 57%, Qualitative PAR 43%.

SP#2: Number of metrics? 🡪 One metric 28%, two metrics 45%, more than two metrics 27%.

SP#3: Which metric to be included in PAR scope? (Choose one) 🡪 Clear preference on “Area Throughput” and “Per STA Throughput”

SP#4: Which metrics to be included in PAR scope? (Choose more than one) 🡪 “Area Throughput” and “Per User Throughput” were the top two metrics.

<Discussions>

C: It is difficult to define “Area Throughput”

C: “Per STA Throughput” also is not clear enough.

C: The scope of HEW is efficiency. Need to understand how throughput relate to efficiency.

<Next Step>

* + January meeting will be dedicated to PAR and 5C discussions.
	+ Tutorial will be planned for the March 2014 session.

**Agenda Item #5: Dense Apartment Complex Capacity Improvements with Channel selection and Dynamic Sensitivity Control**

* Graham Smith (DSP Group), presented “Dense Apartment Capacity Improvements with Channel selection and Dynamic Sensitivity Control”, based on 13/1487r2.

<Discussions>

C: Video rate of 100 M bit/s is too high. 🡪 It is referred from the usage models document.

Q: How those results were derived? 🡪 Channel selection was based on simulation. Other part was numerical analysis.

Q: How high the sensitivity can be? 🡪 It depends on the margin

Q: Any other analysis on the dynamic sensitivity control? 🡪 13/1012r4

C: Need more analysis considering the relation between SINR, MCS and margin. 🡪 Graham agreed.

**Agenda Item #6: 802.11 HEW Draft PAR and 5C**

* Osama Aboul-Magd (Huawei Technologies), presented “HEW Draft PAR and 5C”, based on 13/1410r1.

<Discussions>

C: Need to visit web site of IEEE-SA to check if we are using the latest format. Also need to check how to fill the sections 5.2a since “scope of complete standard” could mean the scope of the base standard.

C: The scope text does not reflect the results of straw polls.

C: Text for Compatibility in 5C may not be good for HEW. It looks good for TGak.

<Next Step>

10-day comment collection will take place after the call.

**Agenda Item #7: Airport Capacity Analysis** 🡪 not presented due to lack of time.

**Agenda Item #8: AOB**

* Next Step
	+ There will be comment collection on the PAR and 5C document.
* Next Call
	+ Date & Time: December 18th, 20:00 – 22:00 (ET)
* No other business to conduct.

**Agenda Item #9: Adjourn:**

The meeting is adjourned at 11:52 AM ET.

<**Attendees>**

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| --- | --- |
| **Name** | **Affiliation** |
| Osama Aboul-Magd | Huawei |
| Yusuke Asai | NTT |
| Shahrnaz Azizi | Intel |
| Gabor Bajko | Nokia |
| Fengming Cao | Toshiba |
| Laurent Cariou | Orange |
| Bill Carney | Sony |
| Zhipei Chi | Marvell |
| Jinsoo Choi | LG Electronics |
| Sayantan Choudhury | Nokia |
| Liwen Chu | Marvell |
| Neiyer Correal | Motorola Solutions |
| Thomas Derham | Orange |
| Yonggang Fang | ZTE |
| Russell Haines | Toshiba |
| Po-kai Huang | Intel |
| Yasuhiko Inoue | NTT |
| JinJing Jiang | Marvell |
| Allan Jones | Activision |
| Sang Gook Kim | LG |
| Joe Kwak | InterDigital |
| Frank LaSita | InterDigital |
| James Lepp | Blackberry |
| Joseph Levy | InterDigital |
| Guoqing Li | Intel |
| Jianhan Liu | MediaTek |
| Scott Marin | NSN |
| Simone Merlin | Qualcomm |
| Filip Mestanov | Ericsson AB |
| Yasunao Misawa | KDDI |
| Ron Murias | InterDigital |
| Eldad Perahia | Intel |
| Zhigang Rong | Huawei |
| Jean-Pierre Le Rouzic | Orange |
| Kiseon Ryu | LG |
| Bahareh Sadeghi | Intel |
| Huai-Rong Shao | Samsung |
| Graham Smith | DSP Group |
| Jung Hoon Suh | Huawei |
| Rob Sun | Huawei |
| Rakesh Taori | Samsung |
| Jens Tingleff | Samsung |
| Lei Wang | InterDigital |
| Pengfei Xia | InterDigital |
| Mingguang Xu | Marvell |
| David Xun Yang | Huawei |
| Katsuo Yunoki | KDDI |