IEEE P802.11
Wireless LANs

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| April 5, 2010 S1G Teleconference Meeting Minutes |
| Date: 2010-04-05 |
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Abstract

This document contains minutes of S1G Study Group teleconference meeting on Monday April 5, 2010.

**Agenda:**

1. Attendance
2. Secretary selection

3. IPR and other relevant IEEE policies (see pointers below).
4. 10/204 Comments on Sub 1 GHz license-exempt operation
5. Adjourn

NOTE: Please review the documents at the following links:

-  IEEE Patent Policy - <http://standards.ieee.org/board/pat/pat-slideset.ppt>
-  Patent FAQ - <http://standards.ieee.org/board/pat/faq.pdf>
-  LoA Form - <http://standards.ieee.org/board/pat/loa.pdf>
-  Affiliation FAQ - <http://standards.ieee.org/faqs/affiliationFAQ.html>
-  Anti-Trust FAQ - <http://standards.ieee.org/resources/antitrust-guidelines.pdf>
-  Ethics - <http://www.ieee.org/portal/cms_docs/about/CoE_poster.pdf>
-  IEEE 802.11 Working Group Policies and Procedures -
 <https://mentor.ieee.org/802.11/public-file/07/11-07-0360-04-0000-802-11-policies-and-procedures.doc>

Teleconference details:

Call-in toll-free number:  1-866-699-3239

Call-in toll number:  1-408-792-6300

Attendee access code: 55146651

**Meeting Minutes**

Attendance - Name (Affiliation) [email address]

Dave Halasz, (Aclara), S1G SG Chair [dhalasz@aclara.com]

Bruce Kraemer (Marvell) 802.11 WG Chair [bkraemer@MARVELL.COM]

Tushar Moorti, (Broadcom Corp) [rtm@broadcom.com]

Michael Lynch, (MJ Lynch & Associates LLC) [MJLynch@mjlallc.com]

Eldad Perahia, (Intel Corporation) [eldad.perahia@intel.com]

Junho Jo, (LG Electronics) [withjune@gmail.com]

Jae-Hyung Song, (LG Electronics) [jaehyung.song@lge.com]

Rich Kennedy (Research In Motion Corporation) [rikennedy@rim.com]

Garth Hillman (Oaktree Wireless) [garth\_hillman@sbcglobal.net]

Minyoung Park, (Intel Corporation) [minyoung.park@intel.com]

Buffington, John (Itron) [John.Buffington@itron.com]

Wilbur, Mark, (Aclara) [mwilbur@aclara.com]

Roberto Aiello, (Itron) [aiello@ieee.org]

Secretary selection

Dave Halasz (Aclara)

 IPR and other relevant IEEE policies

* + Review: IEEE Patent Policy - <http://standards.ieee.org/board/pat/pat-slideset.ppt>
	+ Questions on IEEE SA Policies and Procedures -- none
	+ Essential Patents or knowledge of holders of Essential Patents -- none

10/204 Comments on Sub 1 GHz license-exempt operation

<https://mentor.ieee.org/802.11/dcn/10/11-10-0204-02-0wng-commentsonsub1ghz.ppt>

Slide 4 – Bands not uniform across the world. Roaming can cause issues.

Submission should come in discussing the possible bands. For instance, China, Australia, Canada, Japan, etc

Slide 5, 6 & 7 – Confusion between TVWS and Sub 1 GHz license-exempt “issue A”

Is the wording correct on slide 7?

It should indicate that not addressing TVWS.

Also place text in “Scope” and “Purpose”.

Slide 8 - Confusion between TVWS and Sub 1 GHz license-exempt “issue B”

Is clause 20 (MIMO) desired in 802.11af or S1G?

If not desired, adding text limiting scope can avoid discussions in the task group.

At this moment, there is no support for clause 20.

However, also didn’t want to limit scope at this time.

Slide 9 – Issues with Annex I & J

Submission 10/210r6 was approved in TGmb.

The work has a home.

Timelines may not work out. For instance, 802.11af and/or S1G may be done before TGmb.

If work done before TGmb then up to 802.11af and/or S1G to incorporate the changes if do not want to wait for TGmb.

Slide 10 – Confusion on how this work is different than IEEE 802.15.4g

Discuss proposed text indicating rate difference in section 8.1

Desire for interoperability

Interoperability or coexistence? Coexistance is slide 11

Want interoperability. Some confusion on intent. Switched to slide 11.

Slide 11 – Coexistance with IEEE 802.15.4g

Discuss 17.5.4.1 of proposed PAR

Noted that 802.15.4g has more than one PHY. One of the PHYs is OFDM.

General agreement that this is an issue and work will be needed.

.11 WG Chair requested common meeting time with .15.4g TG chair. Expect some common meeting time in May meeting.

Combined slide 10 & 11 discussions

Discuss interoperability

Is common signalling mode desired between .11 & .15 desired?

Believe common signalling in .15.4g is proposed to be FSK.

.15.4g has common signalling text in clause 7.5.8c.

If .11 uses FSK, wouldn’t this force .11 into lower data rates? This would further blur the differences in slide 10.

.15.4g has less than 1 Mb/s

Avoiding overlapping data rates could be desireable

Should have a discussion on minimum data rates

Did 802.16h have issues? After all, it went forward with apparent overlap with 802.11.

Yes, it went forward but had many discussions at the 802 EC. Discussions should occur prior to them happening at the 802 EC.

Any new issues?

It would be useful to have 1 MHz wide channel, instead of 1.25 MHz wide, for some regulatory domains. Any interest in changing? No response.

Adjourn

**References:**