IEEE P802.11  
Wireless LANs

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| January 2013 Regulatory Meeting Minutes | | | | |
| Date: 2012-1-17 | | | | |
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Abstract

This document contains minutes of IEEE 802.11 Regulatory Standing Committee meeting in Vancouver.

**January 15, 2013 (Tuesday) PM2 16:00 – 18:00**

1. Called to order by Chair, Rich Kennedy at 16:00 local time.
2. Assign a recording secretary
   1. Peter Ecclesine, Cisco volunteered
3. Administrative items
   1. The chair reviewed the items on slide 4 of Document 11-13-0083-01-0reg-vancouver-meeting-plan-and-agenda-2013
   2. Required notices
4. Review and approve the agenda
   1. Agenda in 11-13/0083r1 accepted unanimously
   2. Chair reads anti-trust and competition slide
   3. Chair reads Introduction  (slide 7)
5. Regulatory Summary – North America
   1. **US**
      1. NPRM FCC 12-118 TV Band Auctions; TVWS channel allocation
      2. NPRM FCC 12-148 3550 to 3650 MHz
      3. February 20th NPRM on 5350 to 5470, 5850 to 5925 and TDWR
   2. Canada
      1. RSS-210 for TVWS
   3. Chair reviews progress on unlicensed spectrum changes (slide 9)
   4. Chair reviews the resolution of the TDWR Issue
6. Regulatory Summary – European Union (slide 12)
   1. ETSI
      1. ERM TG11 EN 300 328 v1.9.0
      2. BRAN EN 301 598 Operation in the TV Bands White Spaces
         1. Now at v0.0.13
      3. Meeting week of February 22nd to complete test methodologies
      4. Ofcom
         1. Consultation on the TVWS closed January 10th
7. Regulatory Summary – Asia (slide 13)
   1. Japan
      1. Chair introduces Sam Oyama, ARIB, presenting 802.11-13/0090r2.
         1. Work closely with Ministry of Internal Affairs and Communications (MIC) in Japan. Current status of 5 GHz band begins on slide 2.
         2. ITS 5770-5850 MHz for DSRC, with 40m units in use in this spectrum.
         3. In 2012 allocated 755.5-764.5 MHz for ITS systems V2V safety information in addition to 5 GHz.
         4. EU 5,79505.815 and 5.875-5.905 is ITS  Japan 5.770-5.850 MHz not considering a protocol. 755.5-764.5 MHz has only one channel so will introduce 802.11p
         5. Says 4.94-5.093 is going to RLANs.
   2. China
      1. In the process of opening the 5 GHz band for unlicensed access
8. Chair explained to the group that Thursday AM2 and PM1 will be used to develop our input to the 802.18 process
9. Adjourned at 17:35 local time

**January 17, 2013 (Thursday) AM2 and PM1 10:30 – 15:30**

1. Chair called the meeting to order at 10:35
2. Assign a recording secretary
   1. Al Petrick, Jones-Petrick Associates volunteered
3. Administrative items
   1. Required notices
4. Chair explained that the focus of this meeting is to develop the 802.11 input to the 802.18 composition of the Comments to NPRM FCC 12-118
5. Chair explained for those unfamiliar with the process, how regulatory responses from IEEE 802 are created by merging the inputs from the wireless Working Groups affected
6. Chair opened the discussion of document 11-13-0156-00 NPRM Comment Response
7. Ron Porat, Broadcom read through the document and the group suggested changes
8. Ron said he would return in the PM1 session with a revised version
9. Chair recessed the group at 12:28 for lunch

[Lunch Break]

1. Chair resumed the meeting at 13:33
2. Opening document 13/0083r1
   1. Agenda provided
3. Review the NPRM FCC 12-118 Response
   1. Chair gave an update of the AM2 progress
4. Ron P, Broadcom, author of 11-13-0156-00 NPRM Comment Response
5. New version of the document 11-13-0156-01 (revision 1) as recommended by Joe Kwak - Interdigital
6. Reviewed 11-13-0156-01
   1. Discussion:
      1. Q: what are the figures and what they refer too?
      2. A: will add reference document link for Figure
   2. Current title: *802.11 recommends the commission reserve for TVWS a Minimum of 18MHz of usable spectrum in all locations, with power limits on –par with current FCC TVWS regulation*
      1. Remove text “*with power limits on –par with current FCC TVWS regulation.”*
   3. Discussion on 3 channels available for TVWS, guard bands, duplex gap, channel 37 or the two channels allocated to wireless microphones.
      1. C1: desire to have 3 channels for 802.11 applications
      2. C2: change title: remove “ensure” to “identify”
      3. C3: change text in body: “shall” to “should”
      4. C4: change title text: add “TVWS” before spectrum in title.
      5. C4: change text title: *802.11 recommends the commission identify 18MHz TVWS UHF Spectrum is available in all locations*
      6. C5: change text in body: add power level requirement
   4. Chair reminded the group that this document is input to 802.18 for review.
7. *Motion PM1 #1*
   1. *Move: Approve the text in 11-13/0156r2 as the primary IEEE 802.11 input to 802.18 for the Reply Comment response to NPRM FCC 12-118*
      1. *Moved by: Ron P.*
      2. *Seconded by: Joe Qwak*
      3. *Discussion? No*
      4. *Results Y= 23 N=0 A= 2 Motion passes*
8. Review document : 11-06-1023r1 by Peter E – Cisco as background on radar emissions
9. Reviewed document: 13-18/0004, Draft Comments on NPRM FCC 12-148 (3550 to 3650 MHz) By Peter E - Cisco
   1. Discussion:
      1. Reviewed required 802.11 principles
10. *Group reviewed document 18-13-0004-06 with 802.11 changes and created document: 11-13/0162r0 . Chair suggested motion to adopt document.*
11. *Motion PM1 #2*
    1. *Move: Approve document 11-13/0162r0 as the IEEE 802.11 input to 802.18 for the NPRM FCC 12-148 response.* 
       1. *Moved by: Vinko*
       2. *Seconded by: Jen*
       3. *Discussion*
       4. *Result: Y =21 N= 0 A=1*
12. Group will seek approval by 802.11 in closing plenary. The group will further review and edit document 11-13/0162r0 on teleconference calls.

1. Teleconferences
   1. Weekly on Thursdays, 12:30 – 14:00 ET
2. Meeting Adjourned at 15:30

**References**

* [**NPRM FCC 12-118**](http://transition.fcc.gov/Daily_Releases/Daily_Business/2012/db1002/FCC-12-118A1.pdf)
* [**NPRM FCC 12-148**](http://transition.fcc.gov/Daily_Releases/Daily_Business/2012/db1212/FCC-12-148A1.pdf)
* [**Chairman Genachowski’s statement on the 5 GHz bands**](http://www.fcc.gov/document/chairman-announces-effort-increase-wi-fi-speeds)
* [**Early draft of EN301 598**](http://docbox.etsi.org/BRAN/BRAN/70-Draft/EN301598/0060010/BRAN-0060010v0013.doc) **(v0.0.13)**
* [**Spectrum Allocation for Wireless LAN and ITS in Japan**](https://mentor.ieee.org/802.11/dcn/13/11-13-0090-00-0reg-spectrum-allocation-for-wireless-lan-and-its-in-japan.pptx)
* [**IEEE 802.11 Principles for NPRM FCC 12-118**](https://mentor.ieee.org/802.11/dcn/13/11-13-0156-04-0reg-comment-on-fcc-nprm-12-118.docx)
* [**IEEE 802.11 Comments for NPRM FCC 12-118**](https://mentor.ieee.org/802.11/dcn/13/11-13-0162-01-0reg-draft-802-11-comments-on-fcc-nprm-12-148.doc)
* [**IEEE 802.18 Comments for NPRM FCC 12-118**](https://mentor.ieee.org/802.18/dcn/13/18-13-0016-06-0000-draft-reply-comments-to-fcc-tv-band-incentive-auction-nprm.doc) **(final)**

**Interesting Websites**

* + **FCC Spectrum Dashboard: (**[**http://reboot.fcc.gov/spectrumdashboard/resultSpectrumBands.seam?conversationId=1533**](http://reboot.fcc.gov/spectrumdashboard/resultSpectrumBands.seam?conversationId=1533)**)**
  + **Second Interim Progress Report on the Ten-Year Plan and Timetable: (**[**http://www.ntia.doc.gov/files/ntia/publications/second\_interim\_progress\_report\_on\_the\_ten\_year\_plan\_and\_timetable.pdf**](http://www.ntia.doc.gov/files/ntia/publications/second_interim_progress_report_on_the_ten_year_plan_and_timetable.pdf)**)**
  + **FCC Technical Advisory Council, December 2011: (**[**http://transition.fcc.gov/oet/tac/tacdocs/tac-meeting-summary-12-20-11-final.pdf**](http://transition.fcc.gov/oet/tac/tacdocs/tac-meeting-summary-12-20-11-final.pdf)**)**