Minutes of 802.18 (RR-TAG) Meeting

(Atlanta, GA, in January, 2017)

IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: | | | | |
| Name | Affiliation | Address | Phone | email |
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| Officer presiding: | | | | |
| Rich Kennedy,  Chair, RR-TAG | HP Enterprise | Austin, TX | (737) 202-7014 | [rich.kennedy@hpe.com](mailto:rich.kennedy@hpe.com) |

Abstract

Minutes of IEEE 802 RR-TAG Interim meeting in Atlanta, GA, in January, 2017

**Tuesday, Jan 17th, 2017, AM2**

1. The Chair, Jay Holcomb, called the meeting to order at 10:32 local.
   1. About 29 people in the room
2. The Chair used the current agenda meeting plan document 18-17/0006r01.
   1. Chair reviews slide 2, proposed agenda.
      1. Review and approve the agenda for the week.
      2. Review Administration Items
      3. Approve San Antonio minutes
      4. Discussion items
         1. Regulatory work in progress
         2. Status of completed work
      5. Actions required
         1. TBD
      6. AOB and Adjourn
   2. Chair asked if any additions for the agenda.
      1. Nothing heard.
   3. Motion to approve agenda
      1. Moved by John;
      2. Seconded by Jim
      3. Agenda approved by unanimous consent.
3. Chair reviewed slide #4, #5, administrative meeting guidelines.
   1. Peter point out we need a new slide stating everyone represents individual, not his/her company;
4. November 2016 meeting minute was approved by unanimous consent on slide#6.
   1. Document #: 18-17/0017r0
5. Chair went through slide #7 for discussion items.
   1. ETSI BRAN and ERM TG11 updates
   2. CEPT CPG PT-D
   3. EU Radio Equipment Directive Status
   4. ACMA Consultations
   5. Developing IEEE 802 positions for WRC-19
6. Chair went through slide 8 to 13, on European issues
   1. Ofcom representative, Andy, updated the group these issues. He would also prepare some slides to present to the group on Thursday.
7. Chair discusses slide #14, ACMA Consultations;
   1. The Chair didn’t see anything for IEEE/Wi-Fi so we will pass it at this time;
8. Chair discusses slide #15; on IEEE 802 positions for WRC-19
   1. We identified these 6 items, but have not done anything. Need volunteers for each topic.
      1. 1.12 ITS;
      2. 1.13 IMT
      3. 1.14 HAPS
      4. 1.15 275 GHz
      5. 1.16 5GHz
      6. Issue with 9.1.5
   2. Thomas volunteered for 1.15 (275GHz);
   3. Ben mentioned ITU-R description on 802.15.3d related topic is not accurate. He will work to correct the material.
   4. Mike put up 11 documents on the server on ITU-R activities, these are related to either 802.11 or .15;
   5. Mike will write to SA chair to report these activities.
   6. Mike will correct the file 18-17/0012r0, which title on the server does not match the content;
9. Completed agenda content for today.
10. Chair reviewed agenda for Thursday on Slide 16
    1. We will go though Andy’s presentation, if any.
11. Chair recessed the meeting at 11:28AM. We are recessed till Thursday AM1.

**Thursday, 19 Jan, 2017, AM1**

1. Jay Chaired the meeting
2. Chair called the meeting to order at 08:03 local.
3. About 22 people in the room.
4. Chair used the agenda meeting plan document 18-17/0006r02
   1. Chair review the agenda for today on Slide #17;
      * Review the agenda, any updates?
      * Status from Ofcom, ETSI, CEPT, RED and more
      * Review the week
      * Possible actions
      * Actions required
      * …
      * AOB and Adjourn
5. Chair reviews slides 18, Status from Ofcom.
   1. Andy gave an update on Slide #18

* ETSI BRAN and ERM TG11 updates
  + Latest document from Wi-Fi Alliance on 2.4GHz receivers - 1 Doc ERM TG11(16)000058
  + Papers put into ETSI BRAN by the UK on receivers parameters -3 Docs ETSI BRAN (16) 164, 167, 168
  + Latest document on ITS/RTTT vs RLAN sharing - BRAN-0060018v0021.doc
* CEPT CPG PT-D
  + Latest Sharing studies to support CEPT brief WRC AI 1.16 – 1 - doc PTD (17) 34 annex VI 05
  + CEPT Brief WRC AI 1.16 and 9.1.5 - doc PTD (17) 34 annex IV 16 and 21
  + CEPT Brief WRC AI 1.11 - doc PTD (17) 34 annex IV 11
  + CEPT Brief WRC AI 1.12 - doc PTD (17) 34 annex IV 12
* ITU -R WP5A
  + Documents that may lead to deliverables linked to WRC-19 AI 1.16
  + [See: https://www.itu.int/md/R15-WP5A-C-0298/en](https://www.itu.int/md/R15-WP5A-C-0298/en)
  + Document of note: [298] Annex 10 - Elements for draft CPM text for WRC-19 agenda item 1.16

1. Chair reviewed slide #19, actions required;
   1. WRC-19 position paper
   2. ITU liaisons
2. Chair reviewed slide #20-#21, ITU liaisons;
3. 11 new ITU liaisons uploaded to 802.18 mentor
   * Looking at the different working groups to review and provide contributions to 6 of them.
4. IEEE 802.11 & 802.15:

* 18-17-0010-00, “Multiple Gigabit Wireless Systems”, ITU-R WP5A is requesting data in support of a revision of Recommendation ITU-R M.2003, which provides the general characteristics and radio interface standards for Multiple Gigabit Wireless Systems in frequencies around 60 GHz. (due 15May17)
* 18-17-0015-00, “CHARACTERISTICS FOR USE OF VISIBLE LIGHT\* FOR BROADBAND COMMUNICATIONS”, ITU-R WP 1A started development of a working document towards a preliminary draft new Report ITU-R SM.[VISIBLE-LIGHT] under Question ITU-R 238/1. (due 06Jun17)

1. IEEE 802
   * 18-17-0018-00, “PRELIMINARY DRAFT REVISION OF REPORT ITU-R SM.2351-1 ON SMART GRID UTILITY MANAGEMENT SYSTEMS”, ITU-R WP1A has begun a revision of SM.2351-1, which was influenced by IEEE802, to incorporate 3GPP contributions. (due-30apr17)
2. 18-17-0007-00, “Technical and operational characteristics and implementation of railway radiocommunication systems between train and trackside (RSTT) associated with work on WRC-19 agenda item 1.11”, Ongoing efforts of ITU-R WP5A regarding RSTT, also called Positive Train Control
   * We may not respond (due 15may17)
3. 18-17-0012-01, “Preliminary information on land mobile service applications associated with work on WRC-19 agenda item 1.15”, ITU-R WP 5A continues to developed a working document towards a preliminary draft new Report ITU-R M.[300GHZ\_MS\_CHAR] on technical and operational characteristics of the land mobile service applications operating in the frequency range 275 - 450 GHz (due 15may17)
4. 18-17-0016-00, “Preliminary information on fixed service applications associated with work on WRC-19 agenda item 1.15”, ITU-R WP 5C continued to develop its working document towards a preliminary draft new Report ITU-R M.[300GHZ \_FS\_CHAR] on technical and operational characteristics and applications of the fixed service applications operating in the frequency range 275 450 GHz. (due date TBD)
5. Chair reviewed Slide #22, The other 5 ITU liaisons that maybe not of interest to IEEE 802
   1. 18-17-0008-01,  “Technical and operational characteristics of digital land mobile radios for specific use”, ITU-R WP5A is developing a report on the technical and operational characteristics of digital private land mobile radios systems that provide capabilities (DPLMR). (due 15May17)
   2. 18-17-0009-00, “Operational requirements and technical characteristics of systems in the land mobile service excluding IMT in the frequency band 51.4-52.4 GHz and adjacent or nearby bands”, ITU-R WP5A is requesting data as there are currently no ITU-R Recommendations or Reports that include such characteristics for the frequency ranges of interest. (due 15May17)
   3. 18-17-0011-00, “Request for Information on Machine Type Communications (MTC) in the land mobile service”, ITU-R WP5A is requesting this data in response to a request from ITU-R WP5D (IMT) for information on these type of systems. (due 15May17)
   4. 18-17-0013-01, “Characteristics of terrestrial IMT systems for frequency sharing / interference analysis in the frequency range between 24.25 GHz and 86 GHz”, ITU-R WP5D (IMT) is requesting data on technology-related parameters related to technologies operating in that band. (due 07Feb17)
   5. 18-17-0014-00, “Candidate frequency ranges and related information for Wireless Power Transmission (WPT) impact studies”, ITU-R WP 1A is tasked with liaising technical and operational information to WP 1B so that WP 1B may develop impact studies. (Note: That in a WP1A meeting in 2016 IEEE Japan proposed using 2450 MHz for WPT. Since it is a license exempt band they may have not listed it in this document.) (due date TBD)
6. Chair discussed Slide #23, Any Other Business
   1. Globalstar again
      * Now looking to enable global high-power LTE in the 2.4 GHz band; their TLPS spectrum
   2. Regulatory calendar is being worked on
7. Teleconferences: Thursdays at 2:30pm ET through May 4, 2017
   1. Next meeting: Feb 2nd.
8. Next face to face meeting:
   1. 14 – 16 March, 2017, at the Hyatt Regency in Vancouver, BC
9. Chair reminded the members to record their attendance.
10. Chair proposed to adjourn at 10:00AM local time.
    1. Moved by: John N
    2. Seconded by: Mike L
    3. No objections. Meeting adjourned.
11. Thursday, AM2 meeting was cancelled.