Frequency Table Ad Hoc

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Frequency Table Ad Hoc Group Minutes | | | | |
| Date: 26Jan21 | | | | |
| Name | Affiliation | Address | Phone | Email |
|  |  |  |  |  |
| Author | | | | |
| Jay Holcomb,  co-Lead, RR-TAG | Itron | Liberty Lake, (Spokane) WA | +1(509) 891-3281 | jholcomb@ieee.org |

Abstract

Minutes of the Ad Hoc

These are the Minutes of the Frequency Table Ad Hoc, Tuesday, 26Jan21

Lead calls the meeting to order at 15:02 ET.

1. Lead presents slides 2 – 6 of 802.18-21/0006r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Lead presents slides 7, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes, \_jay\_
      2. Attendance & monitor chat window, \_Stuart K\_
   3. Approve agenda and last minutes
   4. Discussion items
      1. Problem Statement
      2. Audience
      3. A Working Group initial list
      4. How to move forward / how often to meet
      5. General discussion on approach
   5. Actions required.
      1. \_\_\_\_\_\_\_
      2. Anything new today
   6. AOB and Adjourn
   7. Motion: Any objection to approving the agenda as presented?
      1. None heard.
      2. Results: Approved by unanimous consent
   8. Motion: Any objection to approving minutes from the last frequency table ad hoc call, in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0158-00-0000-minutes-08dec20-rrtag-adhoc-frequency-table.docx> 08-Dec-2020 22:33:57 ET, with editorial privilege for the 802.18 chair.
      1. None heard.
      2. Results: Approved by unanimous consent
3. Lead presents slides 8 - 11, **Table of Frequency Bands – IEEE 802 Stds –**
   1. **~~Possible~~ Problem statement**
      1. It is difficult for 802 wireless standards developers to quickly and accurately identify all the frequency bands by the family of 802 wireless standards in a regularly maintained database.
      2. The primary application is to simplify identification of potential frequency bands for coexistence assessment.
      3. Shorter discussion, added frequency in two places and consensus is use as Problem Statement moving forward.
      4. Discussion from earlier .18 weekly calls, just for reference:
      5. Maintaining a database is different from a list of bands for coexistence assessment
         1. *It is a matter if interpretation/clarity of the first statement.*
         2. What is the actual task at hand?
      6. Maybe start with coexistence needs and drop down the possible audiences,
      7. “Coexistence” will be different in different regions, though where does this come in?
   2. **P~~ossible~~ Initial Audiences:** 
      1. 1) 802 wireless standards developers
      2. 2) 802.19 wireless coexistence working group
      3. Shorter discussion, and the 2 audiences are the focus (initially anyway) and consensus is use as Audiences moving forward.
         1. In response to suggestion below to add 802.18: .18 can always use it anytime and does not ‘need’ to be an initial Audience, with the table released in Mentor for all to use.
            1. (note: initial version of the table will be marked draft…)
      4. 07Jan: can we add 802.18 here? Possibly, though not to disturb coexistence is primary, more for a reference for comments.
      5. 17Dec20: Stop here for now, then below are secondary audiences for later.
      6. 3) non-802 wireless standards developers 4) Global regulators
      7. 5) ITU-R 6) 802.18 Radio Regulatory TAG.
      8. 7) Implementors of 802 wireless standards-based products and services
      9. 8) Wireless academic researchers
4. **Example**
   1. .15 lead will provide what had been started on an 802.15 table before to review and see if that gets the overall table started.
   2. <https://mentor.ieee.org/802.18/dcn/21/18-21-0005-00-0000-freq-table-802-15-work.xlsx>

* 1. From the review in the teleconference:
     1. Other 15.x standards need to be looked at yet to update the spreadsheet.
     2. The number of channels column did not seem as important as table was generated, not needed initially anyway. Could hide the column and review later if it is worthwhile.
     3. The use category could be helpful for coexistence but is subjective. So how do we get this area under the standard process for definition.
  2. Discussion went to start with 2 sheets 1) given name to clause (cleaner) 2) then expand e.g. the multiple clauses, etc. in a follow-on worksheet.
     + 1. action: Steve and Ben to do an example of the hierarchy/multiple sheets.
       2. Something to consider, the PHY name can have the hyper link to the clause in the standard.
     1. Also, to consider the format of the doc when it is ‘published’ for external use by the public.
        1. Maybe start with simple spreadsheet, then later a data base.
  3. **Key point, for coexistence need to look up frequency first then what amendments**
  4. **We took a look at Annex E of 802.11-2016.** 
     1. The Annex E does focus on 3 regions (USA, EU and Japan), along with a global section.
     2. Also reviewing it not easy for non .11 folks to follow it with all the reference you have to go to.
     3. Remember, <1 GHz was not there, as it will be in the 802.11-2020 version when it is out.

1. Lead presents slides 11, **Moving Forward**
   1. **Ad hoc team, .18 chair to lead the .18/.19 joint effort with all the wireless groups participating.** 
      1. .11 tbd – though just point to Annex E in IEEE Std 802.11™-2020

(Dorothy for now for .11)

* + 1. .15 Ben
    2. .16 Roger
    3. .22 reached out
    4. .18 Edward (w/jay)
    5. .19 Steve (co-lead)
    6. .24 Tim
    7. -EC Paul/Geoff
  1. **How to move forward / how often to meet?**
     1. Plan: 1/month – 4th Tuesday 15:00 et.
     2. Will keep docs on .18 mentor and let .19 know.

1. Lead presents slide 13, General Discussion
   1. **Approach, what to adjust? Nothing for now.**
   2. **Will focus on format at the next meeting, then folks can fill in and see how it works.** 
      1. And can get feedback from others.
      2. **Remember this is initial basics, lots to add later.**
2. Lead presents slide 14, Actions required
   * **action: Steve and Ben to do an example of the hierarchy/multiple sheets approach.**
3. Lead presents slide 15 Any Other Business
   1. None heard
4. Lead presents slide 16, Adjourn
   1. Next Ad Hoc - 23feb21, 15:00 et.
      1. Call-in will be sent out.
   2. **Next “weekly” .18 teleconference (sched’d to 20may21): 28Jan21–*15:00–<15:55* ET** 
      1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-17-0000-teleconference-call-in-info.pptx> (new call-in starting 14Jan21)
         1. Also, see back up slide in this agenda.
      2. All late changes/cancellations will be sent out to the 802.18 list server.
   3. **Overall IEEE 802 schedule:** [**http://ieee802.org/802tele\_calendar.html**](http://ieee802.org/802tele_calendar.html)
      1. or only 802.18: [IEEE 802.18 TAG Calendar](https://calendar.google.com/calendar/embed?src=c2gedttabtbj4bps23j4847004%40group.calendar.google.com&ctz=America%2FNew_York)
   4. **Adjourn:**
   5. Any objection to Adjourn.
   6. None heard, we are Adjourned at 15:43et
   7. **Thank You**

.18 Voting members

|  |  |  |  |
| --- | --- | --- | --- |
| **Au** | Edward | Huawei Technologies Co., Ltd | **x** |
| **Auluck** | Vijay | Self | **x** |
| **Holcomb** | Jay | Itron Inc. | **x** |
| **Kerry** | Stuart | OK‐Brit, Self | **x** |
| **Rolfe** | Benjamin | Blind Creek Associates | **x** |
| **Shellhammer** | Steve | Qualcomm Incorporated | **x** |
| **.18 Non Voting Attendees** | |  |  |
| **Goodall** | David | Morse Micro | **x** |
| **Powell** | Clint | Powell Wireless Consulting, LLC | **x** |
| **Scott** | Andy | NCTA | **x** |
| **Thompson** | Geoff | Self, GraCaSI Standards Advisors | **x** |