Frequency Table Ad Hoc

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| Frequency Table Ad Hoc Group Minutes | | | | |
| Date: 23nov21 | | | | |
| Name | | Affiliation | Address | Email |
|  | |  |  |  |
| Author | | | | |
| Jay Holcomb,  co-Lead | | Itron | Liberty Lake, (Spokane) WA | jholcomb@ieee.org |

co-lead: 802.19 chair: Steve Shellhammer (Qualcomm), sshellha@qti.qualcomm.com

Abstract

Minutes of the Ad Hoc

These are the Minutes of the Frequency Table Ad Hoc, Tuesday, 23nov21

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

1. Lead presents slides 2 – 6 of 802.18-21/039r01, 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
      1. Remember to mute when not speaking, thanks.
      2. Please request Q in chat window.
   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/audience
      2. Filling in spreadsheet
      3. Next steps, moving forward, etc.
   5. Actions required.
      1. Filling in spreadsheet
      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/21/18-21-0112-00-0000-minutes-28sep21-adhoc-frequency-table.docx> 28-Sep-2021 19:28:04 ET, with editorial privilege for the 802.18/.19 chairs.
      1. None heard.
      2. Results: Approved by unanimous consent
3. Lead presents slides 8, **Table of IEEE 802 Stds Frequency Bands**
   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. Key: simple to start, there are many things that can be added over time after that.
   2. **P~~ossible~~ Initial Audiences:** 
      1. 1) 802 wireless standards developers
      2. 2) 802.19 wireless coexistence working group
      3. 07Jan: can we add 802.18 here? Possibly, though not to disturb coexistence is primary, more for a reference for comments.
      4. 17Dec20: Stop here for now, then below are secondary audiences for later.
      5. 3) non-802 wireless standards developers 4) Global regulators
      6. 5) ITU-R 6) 802.18 Radio Regulatory TAG.
      7. 7) Implementors of 802 wireless standards-based products and services
      8. 8) Wireless academic researchers
4. Lead presents slide 9, **The Table – filling in**
   1. The spreadsheet / initial table of IEEE 802 Stds Frequency Bands:
      1. <https://mentor.ieee.org/802.18/dcn/21/18-21-0036-08-0000-frequency-table-template.xlsx>
      2. 23nov: working on rev09:
         1. Clarified 802.22 orig. std.; filled in many specific freq. ranges for 802.11
         2. Updates a few UWB ranges and add the Light-Ranges Sheet
      3. 28sep: working on rev08…
         1. Updated most of the 802.15 cells/rows, less UWB ones.
         2. And proposing to swap columns D&E to get the clause numbers for the current standard by the current standards. and clarified what goes in the clause cell.
      4. 27july: Reviewed the draft of rev07
         1. In instructions:
         2. Clarified Standard-Year and put in an example.
         3. Clarified PHY Amendment (Date of Initial Approval) with an example and to not leave blank, copy over the standard if there is no amendment.
         4. Clarified PHY Name to start with the Acronym, then the name.
         5. In notes: Added a general note to only consider Active standards, not in active-withdrawn standards.
      5. 22june: The spreadsheet / initial table of IEEE 802 Stds Frequency Bands:
         1. [https://mentor.ieee.org/802.18/dcn/21/18-21-0036-07-0000-frequency-table-template.xlsx](https://mentor.ieee.org/802.18/dcn/21/18-21-0036-06-0000-frequency-table-template.xlsx)
         2. Reviewed the draft of rev06 and made updates from above.
         3. Set an initial trigger point, 30 days after a Standard Boards meeting, for maintenance/update of the table.
         4. Also discussed the future consideration of frequency range applications and regulatory authorizations. Then added some columns on the Freq-Ranges-Other-Info worksheet, Application(s), Country/Region, Regulatory Authorization
         5. Will use the frequency range, purpose of this effort, to tie the Standards-Frequency-Ranges Worksheet to the Freq-Ranges-Other-Info, worksheet.
      6. This is setting the effort up for after we get the standard’s frequency ranges entered.
      7. Both worksheets will be sortable by any and all columns, so the user can sort as desired.
5. Lead presents slide 10, **Moving Forward and Actions Required**
   1. **Moving Forward**
      1. Not a template any more, work toward a new document with new name in 2022.
         1. Ask the other WGs is the content sufficient to publish and use as living reference doc?
         2. Maybe put a section on the 802 webpage and point to latest doc.
      2. At some time (need a date goal) ask the WG chairs their members for a review / comments of the template for publishing.
         1. Need to be clear what the scope & goal is and this is a living document that will continue to be updated and refined.
   2. **Actions Required**

* .18 co-lead to update primary spreadsheet per ad hoc of 23nov
* all: off-line work to fill in cells for .11 and .15 standards.
* will ask about original 802.22 amendments
* all: how to show the light communications: 15.7, 15.13, .11bb? (add 802.3?)
* co-leads/all: what is goal/date to go for comments?

1. Lead presents slide 11 Any Other Business
   1. nothing heard.
2. Lead presents slide 12**, the ad hoc** 
   1. ad hoc team, .18/.19 chairs to lead the .18/.19 joint effort with all the wireless groups participating.
      1. .11\* tbd – could just point to Annex E in IEEE Std 802.11™-2020
      2. .15 Ben
      3. .16 Roger
      4. .22 reached out (Tuncer)
      5. .18 jay (Ben/Kunal)
      6. .19 Steve (co-lead)
      7. .24 Tim
      8. -EC Paul/Geoff

\* Steve and Edward working on .11

* 1. **See back up slides for different lists and discussions.**
  2. **How often to meet and where are the docs?**
     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, Adjourn
   1. Next Ad Hoc –  **11jan**, 15:00 et 🡸 \* (note, 4th Tuesday rest of the year)
   2. New call-ins will be needed, watch for it.
   3. **Overall IEEE 802 schedule:** [**http://ieee802.org/802tele\_calendar.html**](http://ieee802.org/802tele_calendar.html)
   4. **Adjourn:**
   5. Any objection to Adjourn.
   6. None heard, we are Adjourned at 16:00et
   7. **Thank You**

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|  | **Voting Attendees:** | |  | **23-Nov** |
| 1 | **Holcomb** | Jay | Itron Inc. | **x** |
| 2 | **Kerry** | Stuart | OK‐Brit, Self | **x** |
| 3 | **Nikolich** | Paul | Self, HPE,  Huawei, Wyebot, UNH BCoE, YAS BBV, Origin Wireless | **x** |
| 4 | **Petrick** | Al | Skyworks Solutions Inc. | **x** |
| 5 | **Rolfe** | Benjamin | Blind Creek Associates | **x** |
| 6 | **Shellhammer** | Steve | Qualcomm Incorporated | **x** |