Frequency Table Ad Hoc

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| Frequency Table Ad Hoc Group Minutes |
| Date: 25May21 |
| 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, 25May21

Lead calls the meeting to order at 15:03 ET.

1. Lead presents slides 2 – 6 of 802.18-21/0060r01, 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/21/18-21-0050-00-0000-minutes-27apr21-adhoc-frequency-table.docx> 28-Apr-2021 08:59:50 ET, with editorial privilege for the 802.18/.19 chairs.
		1. None heard.
		2. Results: Approved by unanimous consent

1. 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
2. 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/21/18-21-0036-04-0000-frequency-table-template.xlsx>
		2. Reviewed the draft of rev05.
		3. Made several updates and added some actions for over the next month. See rev05. <https://mentor.ieee.org/802.18/dcn/21/18-21-0036-05-0000-frequency-table-template.xlsx>
		4. A few of the areas discussed:
			1. There will be multiple rows for a given frequency range, one for each standard.
			2. Adding the year to the standard and the amendment was worked through and led to is it the approved date or the publication date. Will finalize on the next call.
				1. For 802.11 there is a report with 1st publication of amendment: https://www.ieee802.org/11/Reports/802.11\_Timelines.htm )
			3. Also, a discussion on the Standard or Project column, what about if approved but not published yet, that should be noted. Also, should pre-Par amendments be lists, or study groups. Will review this further.
	2. In the Future Consideration section in the Notes worksheet a could of points were added about regulatory bodies introducing new frequency ranges and how to handle that, and a UK report maybe a good reference in the future
	3. A question section was added in the Notes worksheet with the first question:
		1. What if amendment does not make any changes to the frequency range or bandwidth, do we list them? Or, how do we list them. tbd
	4. Reviewed a 2nd spreadsheet with 802.11 clauses with frequencies for setting for the actual frequency ranges:
		1. <https://mentor.ieee.org/802.18/dcn/21/18-21-0064-00-0000-frequency-table-input-802-11-phys.xlsx>
		2. Good review and made some updates, less the actual frequency ranges, they are coming.
		3. Look for latest revision.
3. Lead presents slides 10, **Open Discussion**.
	1. **Next steps:**
		1. Next meeting: 22jun21
		2. Two agenda items to work on
			1. Further discussion on year of the Standard and Amendment
			2. What all should be in the Standard, Project column?
	2. **Approach, what to adjust?**
		1. ran out of time
	3. **Parking lot:**
		1. This has been addressed with the 18-21-0064 document/spreadsheet.
		2. Before 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. Remember, <1 GHz was not there, as it will be in the 802.11-2020 version when it is out.
		3. This has also been addressed with the two future consideration lists in a worksheet in the spreadsheet.
			1. Country/regions and Final tool/maintenance.
4. Lead presents slide 11, Actions required
	* .18 co-lead set up next ad hoc for 22june21. Will add call-in in back up slides here.
	* .19 co-lead will investigate how to get .11 going.
5. Lead presents slide 12 Any Other Business
	1. ran out of time
6. Lead presents slide 13**, 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 – 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 (Tuncer)
		4. .18 Edward (w/jay)
		5. .19 Steve (co-lead)
		6. .24 Tim
		7. -EC Paul/Geoff

\* Steve and Edward reviewing.

* 1. **See back up slides for different lists and discussions.**
	2. **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 14, Adjourn
	1. Next Ad Hoc – 22jun21, 15:00 et
		1. Call-in will be sent out and is in agenda back up slides.
	2. **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)
	3. **Adjourn:**
	4. Any objection to Adjourn.
	5. None heard, we are Adjourned at 16:03et
	6. **Thank You**

Attendees:

Edward Au (Huawei Technologies)

Benjamin Rolfe (Blindcreek Assoc)

Jay Holcomb (Itron)

Steve Shellhammer (Qualcomm)

Stuart Kerry, (OK Brit/Self)

Geoff Thompson, (Self, GraCaSI Standards Advisors)