IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | |
| Date: 02sep21 | | | |
| Name | Affiliation | Address | Email |
|  |  |  |  |
| Author and Officer presiding: | | | |
| Jay Holcomb,  Chair, RR-TAG | Itron | Liberty Lake, (Spokane) WA | jholcomb@ieee.org |

Co-Vice-chairs are [Stuart Kerry (OK-Brit/Self)](mailto:stuart@ok-brit.com) and [Al Petrick (Skyworks Solutions)](mailto:apetrick@ieee.org)

Abstract

Minutes of the IEEE 802 RR-TAG teleconference

These are the Minutes of the IEEE 802 RR-TAG teleconference Thursday, 02sep21

1. Chair calls the meeting to order at 15:02 et
2. Chair presents slides 2 – 6 of 802.18-21/0099r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
3. Chair presents slides 7, the agenda:
   1. Call to Order
      1. Attendance is not on IMAT (w/VC & webex)
      2. Remember to mute when not speaking, thanks.
      3. Please request Q in the chat window.
   2. Administrative items
      1. Someone to take some notes, \_Peter E.\_
      2. Attendance & monitor chat window, Stuart K
   3. Approve agenda, last minutes & announcements.
   4. Discussion items
      1. EU Items
      2. Other Regions Items
      3. ITU-R Items
      4. FCC NPRM on 60GHz
      5. General Discussion Items
   5. Actions required.

      2. Anything new today
      3. ongoing: WRC-23 AI Viewpoints & Freq. table fill in
   6. AOB
   7. Adjourn
4. Chair presents slides 8 - 10 Administrative – Motions and more
   1. **Motion: To approve the agenda as presented on previous slide**

Moved by: Stuart Kerry (OK-Brit, self)

Seconded by: Mike Lynch (MJLynch Assoc.)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes in document <https://mentor.ieee.org/802.18/dcn/21/18-21-0098-00-0000-minutes-19aug21-rrtag-teleconference.docx> 20-Aug-2021 17:02:58 ET, with editorial privilege for the 802.18 chair..

Moved by: Al Petrick (Skyworks)

Seconded by: Mike Lynch (MJLynch Assoc.)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Administrative moving forward** 
     1. For Sept 2021, Wireless Interim Session will be electronic, with one ($50, $75, $125) registration fee for all groups.
        1. Dates are Friday 10sep21 to our .18 meeting on 23sep21. 802.18 will meet our normal Thursday’s, 16th and 23rd.
           1. On the 16th, overlaps with last 30 minutes of 802.11az and 802.11bh
        2. Looking at a wireless session opening meeting Friday 10sep21 at 0900et (similar to what was done at f2fs)
        3. Draft agenda for Sept 10th 802 Wireless Interim is here: <https://mentor.ieee.org/802-ec/dcn/21/ec-21-0140-03-WCSG-2021-09-wireless-interim-opening-plenary-agenda.xlsx>
        4. From WCSC on 07July:  ~~$50 – 14jul-27aug;~~ $75 – 28aug-09sep; $125 >09sep;
        5. The September 2021 electronic wireless interim session registration is open:
        6. <http://802world.org/wireless/> REGISTRATION WEBSITE: <https://cvent.me/NxZeZx>
        7. Note: As announced on the .18 list server on 12Aug21 and now the updated WG P&P approved by the EC this week (29th):
           1. A credited interim session (an interim session with attendance credit) is one that has been declared by the Working Group Chair or Technical Advisory Group Chair.
        8. 802.18 will be taking attendance using IMAT and it will count for voting membership participation credit.
     2. For **Nov 2021** Plenary – Vancouver – will be addressed at the EC call on 07Sep21
        1. Straw poll running: Reminder: everyone can vote in a straw poll and these are not hybrid/mixed mode meetings.
        2. Straw poll-Vancouver: Will you attend the 2021 November IEEE 802 Plenary if held in-person at the Hyatt Regency Vancouver, in Vancouver, Canada Nov 14-19, 2021?
           1. Plan to run from 25aug-05sep21, for EC on 07sep
        3. .11 – yes-80 no-184 abstain – 17
        4. .19 – yes-11 no-18
     3. For **Jan 2022** Wireless Interim – Panama –
     4. Straw poll-Panama: Will you attend the 2022 January IEEE 802 Wireless Interim if held in-person at the Hilton Panama, Panama City, Panama Jan 16-21, 2022?
        1. .18 - yes-15 no -19 abstain – 1
        2. .11 – yes-90 no-140 abstain – 13
        3. .19 – yes-12 no-17
     5. And yesterday at the WCSC call, the Jan 2022 Wireless Interim will be electronic/virtual.
     6. Also approved was the $50 / $75 / $125 meeting fee like coming up at the Sept. Wireless Interim

1. Chair presents slides 11 - 13, **EU items to share**
   1. General EU info: [<ojeu>](https://eur-lex.europa.eu/oj/direct-access.html) [<HStds>](https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/) <https://www.etsi.org/deliver/etsi_en/>
      1. Remember – BRAN documents can be found in the 802.11 private area documents (daily refresh)
   2. **ETSI – ERM** [**<TG-UWB>**](https://portal.etsi.org/tb.aspx?tbid=729&SubTB=729) **next call, meeting #59, \_(some focused calls in sept.)\_**
      1. Anything to share today? not today.
      2. 15jul: Working on new SR doc to extend UWB to 12.4 GHz, (tbd), much broader, up to 4 GHz OBW (tbd).
   3. **ETSI –** [<BRAN>](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **next meeting #111 27sep-01oct21;**

many ad hocs/calls; 01,02,06,07,08,09,10,21sep21

* + 1. ad hocs coming:
       1. 110 e is another NB FH meeting, following Sept 2 meeting on NB FN
       2. 110 f is TVWS EN 301 598
          1. Sony Europe B.V., “Draft ETSI EN 301598 V2.1.8 revision for approval,” BRAN(21)110f003
          2. Sony Europe B.V., “Update Draft ETSI EN 301 598 V 2.1.8 for TB approval and EC Assessment,” BRAN(21)110f004
       3. 110 b is reserved for BBF (The BroadBand Forum) meeting
    2. Still a very good summary from 12aug21: any questions or updates?
    3. EN 302 567 – C1 band/60GHz (WiGig, .11ad and .11ay) has passed 2nd ENAP, it is now an approved standard, next is to EC to approve for the OJEU.
    4. EN 303 722 – C3 band/60GHz has been reviewed by EC assessment and will go out for 1st ENAP now.
    5. EN 301 598 - TVWS, has been on hold due to UAR, User Access Restrictions, and was not sure EC was okay. They are okay now. working on a revision, then 07Sep21 – ad hoc on this standard to discuss about going to ENAP.
    6. EN 301 893 – 5GHz, meetings going on and good progress on energy detect threshold agreements.
    7. For Country Determination Capability (CDC) in 5.8 GHz band, some countries are starting to open this band for license exempt use Different countries at different power levels:
       1. Some are going under the older harmonized standards, this is the lower power for SRD - EN 300 440 w/ no CDC.
       2. CDC is in an Annex of the EN 301 893 and to use the higher power CDC will be mandatory. (to protect the incumbents)
    8. EN 303 687 - 6 GHz, a discussion item on NB FH technologies which is already in the mandated standard now in OJEU 6GHz (for 01Dec21 implementation).
       1. In he 802.11 SC CoEx there are submission documents in Mentor (docs 11-814 and 11-1191), on this.
       2. ad hocs, on 02 and 06 Sept will discuss these. and the NB FH. and setting up for discussion at full plenary #111.
    9. ad hoc on 01sept will discuss 6GHz client to client communications, ECC was clear to have at LPI, ETSI to define how.
       1. e.g. LPI and how to use it, (e.g. if in range of a LPI AP) or does it revert to VLP for indoor and outdoor.
    10. EN 303 753 - 3rd 60GHz standard progressing and current poll is closing now.
    11. Nominations for chair of BRAN closes 27aug21..
    12. Germany, Iceland, Norway are already opening up 6GHz, as it is volunteer now.
    13. **New 02sept:** CEPT 6 GHz status across the countries: <https://docdb.cept.org/implementation/16737>
  1. **CEPT – ECC** [<SE19>](https://cept.org/ecc/groups/ecc/wg-se/se-19/client/introduction/) **next call #88 30Sep-01Oct21**
     1. Anything to share today? not today.
     2. 15jul: Some looking at UWB and fixed services interference mitigation. Sweden is pushing the issue, very political discussion.
  2. **CEPT–ECC** [<SE24>](https://cept.org/ecc/groups/ecc/wg-se/se-24/client/introduction/) **next \_tbd\_ meeting, #M105 10-12Jan22**
     1. Looking at UWB radiodetermination applications in 116 – 260GHz for vehicular use.
     2. 15jul: SE-24-UWB working on new regulations by end of year for >6GHz. Includes items, fixed outdoor, okay in vehicles, higher power (-31.2dBm/MHz indoor), etc. See ECC report 327. This could be significant changes. More to come.
  3. **CEPT – ECC** [<SE45>](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) **next call #14 28-29Oct21**
     1. Anything to share today? not today.
     2. **15jul:** The next call is about OOBE at 5935 MHz
  4. **CEPT – ECC** [<FM57>](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next call #16 14-15Sep21**
     1. Anything to share today? not today.

1. Chair presents slides 14-16, **Other regions (outside EU-Stds and USA), items to share**
   1. **Mexico IFT has begun a** [**public consultation**](http://www.ift.org.mx/industria/consultas-publicas/identificacion-de-necesidades-de-espectro-para-sistemas-de-transporte-inteligente-en-la-banda-5850) **asking for comments on various aspects of 5.9 GHz for intelligent transport systems (ITS),** including the amount of radio spectrum necessary for the implementation of the ITS, technical conditions and coexistence, etc. From August 20, 2021 to September 17, 2021 (20 business days)
      1. 21 questions and reference documents: <http://www.ift.org.mx/sites/default/files/industria/temasrelevantes/17437/documentos/formatoparaparticiparenlaconsultapublicacuestionariodesti_0.docx>
      2. <http://www.ift.org.mx/sites/default/files/industria/temasrelevantes/17437/documentos/documentodereferenciaidentificaciondenecesidadesstien59ghz_0.pdf>
   2. **Canada ISED is seeking comments on a new public consultation, entitled "Consultation on New Access Licensing Framework, Changes to Subordinate Licensing and White Space to Support Rural and Remote Deployment":** <https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf11717.html>
      1. In summary:
      2. [1] ISED is proposing a new access licensing framework, called Access Licensing, that would allow for greater access to spectrum in rural and remote areas. The initial bands for consideration are the 800 MHz band.
      3. [2] ISED is proposing to update a few existing White Space policies, including a proposal of cloud-based database, the use of TV channels 3 and 4 (60~72 MHz) by all types of white space devices, and a proposal to encourage the development and deployment of white space devices systems by phasing out RRBS (rural remote broadband systems).
      4. There are 49 questions in total. The consultation deadline is October 12, 2021. The closing date for reply comments is November 24, 2021.
   3. **Malaysia MCMC has recently begun a public consultation that seeks public view on the possibility of allocating 6 GHz spectrum to unlicensed use.**
      1. Deadline for submitting comments is 5:00pm Selangor Darul Ehsan local time, October 11, 2021. (23sept out of .18)
      2. For details, you would refer to the 15-page document at:
      3. <https://www.mcmc.gov.my/skmmgovmy/media/General/pdf/PC_WiFi.pdf>
      4. Q1) MCMC seeks your views and comments on the demand for spectrum for Wi-Fi in the 6 GHz frequency band.
      5. Q2) MCMC seeks your views and comments on the emerging technologies utilizing the 6 GHz frequency band.
      6. Q3) MCMC seeks your views and comments on the frequency range within the 6 GHz frequency band that could be considered for Wi-Fi under the Class Assignment in Malaysia. Should MCMC consider allowing Wi-Fi to operate in the entire 1200 MHz (5925 MHz to 7125 MHz frequency band) or only in the 500 MHz (5925 MHz to 6425 MHz frequency band)?
      7. Q4) MCMC seeks your views and comments on: i. the coexistence between Wi-Fi and incumbent services (i.e. fixed service and fixed-satellite service); and ii. the potential interference mitigation between these services.
         1. note: Refer to Table 1 of the document on the status of incumbents in this frequency band of interest.
      8. Q5) MCMC seeks your views and comments on the potential technical and operational conditions to be imposed if the 6 GHz frequency band is introduced for Wi-Fi under the Class Assignment. Should part of the frequency band be limited to indoor operation? Should standard power devices operating under the Automatic Frequency Coordination (AFC) system be adopted in Malaysia?
         1. note: Refer to Table 2 of the document on the existing conditions of WLAN and SRD.
      9. Q6) What other key issues need to be considered in introducing Wi-Fi in the 6 GHz frequency range?
      10. Consultation is in mentor: <https://mentor.ieee.org/802.18/dcn/21/18-21-0103-00-0000-malaysia-mcmc-consultation-wlan-in-the-6ghz-band.docx>
   4. Anything else to share today? not today
2. Chair presents slides 17-18, **ITU-R items to share**
   1. Anything else to share?
   2. **WRC-23 agenda items, the list is on the ITU-R website at:** 
      1. <https://www.itu.int/en/ITU-R/study-groups/rcpm/Pages/wrc-23-studies.aspx> (updated 26Aug20)
         1. <https://www.itu.int/dms_pub/itu-r/oth/0c/0a/R0C0A00000D0041PDFE.pdf>
         2. <https://mentor.ieee.org/802.18/dcn/20/18-20-0107-01-0000-res-811-wrc-19-wrc-23-agenda-items.docx>
   3. **IEEE 802 viewpoints on WRC-23 agenda items.** 
      1. Doc for viewpoints updated (actions items in notes on this slide in agenda): <https://mentor.ieee.org/802.18/dcn/21/18-21-0039-01-0000-ieee-802-viewpoints-on-wrc-23-agenda-items.pptx>
      2. At Sept Wireless Interim, will review actions noted at the July Plenary.
      3. Reference:
         1. btw- the initial AIs to consider IEEE 802 viewpoints:
            1. 1.1 -800-4 990 MHz and Resolution 223. Connection w/ITS going there?
            2. 1.2 -300-3 400MHz, 3 600-3 800MHz, 6 425-7 025MHz, 7 025-7 125MHz and 10.0-10.5GHz for International Mobile Telecommunications (IMT) and resolution 245.
            3. 1.5 -470-960 MHz in Region 1-consider possible regulatory actions, Resolution **235.**
            4. 10 **-**recommend to the Council items for inclusion in the agenda for the next WRC
   4. For miscellaneous links for ITU-R, SGs, WPs and calendars, see back up slides later.
   5. **Liaison from ITU-R WP5A re: M.2121 ITS, see** [**https://mentor.ieee.org/802.18/dcn/21/18-21-0059-00-0000-request-for-input-itu-r-m-2121-its.docx**](https://mentor.ieee.org/802.18/dcn/21/18-21-0059-00-0000-request-for-input-itu-r-m-2121-its.docx)
      1. WP 5A next \_\_meeting is 15-26nov21
      2. Document 59 is assigned to TGbd for consideration, as the document relates to ITS topics.
   6. **Liaison from ITU-R WP5A re: M.1801-2, see** [**https://mentor.ieee.org/802.18/dcn/21/18-21-0058-00-0000-request-for-input-itu-r-m-1801-2.docx**](https://mentor.ieee.org/802.18/dcn/21/18-21-0058-00-0000-request-for-input-itu-r-m-1801-2.docx)
   7. **Liaison from ITU-R WP5A re: M.1450-5, see** [**https://mentor.ieee.org/802.18/dcn/21/18-21-0057-00-0000-request-for-input-itu-r-m-1450-5.docx**](https://mentor.ieee.org/802.18/dcn/21/18-21-0057-00-0000-request-for-input-itu-r-m-1450-5.docx)
      1. WP 5A next \_\_meeting is 15-26nov21
      2. Documents 57 and 58 are assigned to the ITU Ad hoc group for processing. ad hoc has met on these.
   8. **Liaison from ITU-R WP 1A re: Light Communications, see** [**https://mentor.ieee.org/802.18/dcn/21/18-21-0080-00-0000-request-for-information-itu-r-wp-1a.docx**](https://mentor.ieee.org/802.18/dcn/21/18-21-0080-00-0000-request-for-information-itu-r-wp-1a.docx)
      1. WP 1A next e-meeting is 03-12nov21
      2. Reviewing the document to develop recommended modifications to reflect the work underway with P802.11bb and 802.15.7a/802.15.13.
3. Chair presents slides 19, **FCC NPRM on 60GHz on Radar Sensing Technology**
   1. Allowing Expanded Flexibility and Opportunities for Radar Operation in the 57-64 GHz band
      1. Notice of Proposed Rulemaking – ET Docket No. 21-264
   2. Abstract in notes on this slide in the agenda.
   3. Proceeding: [https://www.fcc.gov/ecfs/search/filings?q=((proceedings.name:((21%5C-264\*))%20OR%20proceedings.description:((21%5C-264\*))))&sort=date\_disseminated,DESC](https://www.fcc.gov/ecfs/search/filings?q=((proceedings.name:((21%5C-264*))%20OR%20proceedings.description:((21%5C-264*))))&sort=date_disseminated,DESC)
   4. **FR Document:** [2021-16637](https://urldefense.com/v3/__https:/www.federalregister.gov/documents/2021/08/19/2021-16637/fcc-seeks-to-enable-state-of-the-art-radar-sensors-in-60-ghz-band?utm_campaign=subscription*mailing*list&utm_source=federalregister.gov&utm_medium=email__;Kys!!F7jv3iA!kCOcNUzUR0qsvQP1rN9qBeWaPxLRXryhg4U02CqEFT8zp60I7zdtCWeOkNoMDxVRbg$); **Citation:** 86 FR 46661; [PDF](https://urldefense.com/v3/__https:/www.govinfo.gov/content/pkg/FR-2021-08-19/pdf/2021-16637.pdf?utm_source=federalregister.gov&utm_medium=email&utm_campaign=subscription*mailing*list__;Kys!!F7jv3iA!kCOcNUzUR0qsvQP1rN9qBeWaPxLRXryhg4U02CqEFT8zp60I7zdtCWeOkNrPJarxaw$)Pages 46661-46672 *(12 pages)*; [Permalink](https://urldefense.com/v3/__https:/www.federalregister.gov/d/2021-16637?utm_medium=email&utm_campaign=subscription*mailing*list&utm_source=federalregister.gov__;Kys!!F7jv3iA!kCOcNUzUR0qsvQP1rN9qBeWaPxLRXryhg4U02CqEFT8zp60I7zdtCWeOkNp91K_sRw$)
   5. It is on Mentor: r02 is the July OET versions (r01 is the later Federal Register version). Have not seen in Errata on the OET version: <https://mentor.ieee.org/802.18/dcn/21/18-21-0079-02-0000-fcc-nprm-allowing-expanded-flexibility-for-radar-operation-in-57-64-ghz-band.docx>
   6. .11bf, is looking at the NPRM, and .11 CoEx, had a presentation in July plenary, <https://mentor.ieee.org/802.11/dcn/21/11-21-1089-00-coex-coexistence-between-radars-and-communication-systems-in-the-60ghz-band-u-s-update.pptx> and had some concerns on the proposed rules.
   7. .15.4ab is discussing also.
   8. **Comments due 20Sept21 and reply comments due 18Oct21**
      1. Comments would be best to be approved in .18 on 02Sep (today), for a 10-day EC ballot.
      2. If 09Sep, then needs an early close EC ballot.
      3. If comment text comes in, will probably need multiple off-line calls to work on the submittal.
4. Chair presents slide 20, **General Discussion Items**
   1. **Notices - Positive Train Control Interface Design Issue with Locomotive and Cab Car Braking Systems**
      1. **FR Document:** [2021-18997](https://urldefense.com/v3/__https:/www.federalregister.gov/documents/2021/09/02/2021-18997/positive-train-control-interface-design-issue-with-locomotive-and-cab-car-braking-systems?utm_source=federalregister.gov&utm_medium=email&utm_campaign=subscription*mailing*list__;Kys!!F7jv3iA!gkvIS6aTbA7Qi9B2u-ktcFM75moPntUvfN-WI5-zYLOY_xA9VTBMWNpzJLkPtErpKQ$) **Citation:** 86 FR 49410 [PDF](https://urldefense.com/v3/__https:/www.govinfo.gov/content/pkg/FR-2021-09-02/pdf/2021-18997.pdf?utm_medium=email&utm_campaign=subscription*mailing*list&utm_source=federalregister.gov__;Kys!!F7jv3iA!gkvIS6aTbA7Qi9B2u-ktcFM75moPntUvfN-WI5-zYLOY_xA9VTBMWNpzJLloD7Qymw$)Pages 49410-49411 *(2 pages)* [Permalink](https://urldefense.com/v3/__https:/www.federalregister.gov/d/2021-18997?utm_source=federalregister.gov&utm_medium=email&utm_campaign=subscription*mailing*list__;Kys!!F7jv3iA!gkvIS6aTbA7Qi9B2u-ktcFM75moPntUvfN-WI5-zYLOY_xA9VTBMWNpzJLmBPBfjlw$)
      2. **Abstract:** FRA is issuing Safety Advisory 2021-01 to make the rail industry, including railroads and railroad employees, aware of a recently identified interface design issue relating to how positive train control (PTC) systems in use throughout the United States interface with locomotive and cab car braking systems. This recently identified interface design issue allows a train crewmember to circumvent a PTC enforcement by manually cutting out the pilot valve/ brake stand, commonly known as the cut-out...
5. Chair presents slide 21, **General Discussion Items – ongoing - MSGs 6 GHz**
   1. The WInnforum “6 GHz Committee”, all groups meet every 2 weeks except interference-weekly (168 people)
      1. <https://www.wirelessinnovation.org/6ghz-multistakeholder-committee>
      2. For access to documents from the committee, can request to be an observer from the MSG below.
      3. New org: 2 (now) focus areas:
         1. ) AFC Functional Specification -WG – includes: Interference-TG, Incumbent Info-TG, security (new) and Protocols 3GPP-TG
         2. 2) AFC Test and Certification-WG
      4. Anything to share today? not today
   2. 2. From the FCC R&O, an informal MSG (“Group”) has also been formed. (260+ people)
      1. <https://groups.wirelessinnovation.org/wg/6MSG/dashboard>.
      2. Work stream 1-interference protection and resolution (CableLabs, EPRI, Lake Cty, APCO) Meets biweekly, from 28Jan21-10:00 et,
      3. Work stream 2 - correct incumbent data (ULS) (Comsearch, APCO)
      4. Work stream 3 - AFC and how it provides protection, etc. (Charter, Google, UTC)
      5. Overall Co-chairs: NPSTC, UTC, WFA, WISPA.
      6. Anything to share today? not today
6. Chair presents slide 22, **General Discussion Items – ongoing - Table of IEEE 802 Stds Frequency Ranges**
   1. **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.
   2. **Initial Audiences:** 
      1. 1) 802 wireless standards developers
      2. 2) 802.19 wireless coexistence working group
   3. **Ad hoc calls** 
      1. **The spreadsheet is going, always look for latest:**
      2. <https://mentor.ieee.org/802.18/dcn/21/18-21-0036-07-0000-frequency-table-template.xlsx>
   4. **From ad hoc call on 27jul21**
      1. Reviewed the draft of rev07
         1. In instructions:
            1. Clarified Standard-Year and put in an example.
            2. Clarified PHY Amendment (Date of Initial Approval) with an example and to not leave blank, copy over the standard if there is no amendment.
            3. Clarified PHY Name to start with the Acronym, then the name.
         2. In notes: Added a general note to only consider Active standards, not in active-withdrawn standards.
   5. The activity is entering the phase to fill in the sheet now, so more intense and time consuming.
   6. The next meeting will be 28sep21. (call-in in backup slides here)
   7. Will share the spreadsheet during the Wireless Interim opening on 10sept21.
7. Chair presents slide 23, **Actions Required**

ongoing:

* + For IEEE 802 viewpoints on WRC-23 AIs, reach out to those identified, looking for input on the viewpoints.
  1. **Proactive Spectrum Sharing – Contact Rich Kennedy if you can help or have inputs. or want to join the task force.**

1. Chair presents slide 24 Any Other Business
   1. none heard
2. Chair presents slide 25, Adjourn.
   1. **Next “weekly” teleconference (sched’d to 13jan22): 09sep –*15:00–<15:55* et** 
      1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-19-0000-teleconference-call-in-info.pptx>
      2. Also, see back up slide in this agenda.
      3. **note: new call-in starting 09sep21, see back up slides in agenda**
      4. All late changes/cancellations will be sent out to the 802.18 list server.
   2. Overall IEEE 802 schedule: <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:
      1. Any objection to Adjourn.
      2. None heard, Adjourn at 15:44et
   4. The next face to face meeting is tbd.
   5. **The next IEEE 802.18 (wireless) interim will be electronic in Sept 2021**
   6. **The next IEEE 802 (ec call 07sep to decide on electronic or f2f) plenary will be in November 2021**
   7. **The IEEE 802.18 (wireless) interim will be electronic in Jan 2022**
   8. Thank You
3. Attendance

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Voting Attendees:** | |  |
| 1 | **Auluck** | Vijay | Self |
| 2 | **Ecclesine** | Peter | Cisco Systems, Inc. |
| 3 | **Holcomb** | Jay | Itron Inc. |
| 4 | **Kain** | Carl | USDOT, Noblis, Inc. |
| 5 | **Kenney** | John | TOYOTA InfoTechnology Center U.S.A. |
| 6 | **Kerry** | Stuart | OK‐Brit, Self |
| 7 | **Levy** | Joseph | InterDigital, Inc. |
| 8 | **Lynch** | Michael | MJ Lynch & Associates, LLC. |
| 9 | **Petrick** | Al | Skyworks Solutions Inc. |
| 10 | **Pirhonen** | Riku | NXP Semiconductors |
| 11 | **Rolfe** | Benjamin | Blind Creek Associates |
| 12 | **Yaghoobi** | Hassan | Intel Corporation |
| 13 | **Yucek** | Tevfik | Qualcomm |
|  |  |  |  |
|  | **Non-Voting Attendees:** | |  |
| 1 | **Fang** | Yonggang | MediaTek |
| 2 | **Hamilton** | Mark | Ruckus/CommScope |
| 3 | **Jeffries** | Timothy | FutureWei Technologies, Inc. |