Opening Plenary
November 2022

Glenn Parsons – IEEE 802.1 WG Chair
glenn.parsons@ericsson.com
802.1 plenary agenda

Monday, November 14th opening
- Copyright Policy
- Call for Patents
- Participant behavior
- Administrative
- Membership status
- Future Sessions
- 802 EC report
- Incoming Liaisons
- Promotion
- Sanity check – current projects
- TG agendas
- Any other business

Thursday, November 17th closing
- Copyright Policy
- Call for Patents
- Participant behavior
- Membership status
- Future Sessions
- Sanity check – current projects
- TG reports
- Outgoing Liaisons
- Motions for EC
- Motions for 802.1
- Any other business
ELECTRONIC MEETING GUIDELINES

Please **mute** yourself when you are not speaking

Please put yourself into the queue “at the mic” via the Chat, e.g.: “+q” / “-q”

Please provide your information
- First and last names
- Affiliation, after your last name, e.g., in square brackets
- (may provide them in the Chat window)

Changing your data in Webex

**Step 1**
- Go to the "Display hidden icons" arrow in the Windows task bar
- Right-click on the Webex icon and select "Open Cisco Webex Meetings"

**Step 2**
- In the Webex Windows that opens, Click on the pencil icon* next to your display information

(*) May need to Exit Webex via the cog wheel and restart the desktop Webex app to see the pencil icon. May also need to log in as guest.
Meeting is to be run as an in-person meeting.
• Local time zone schedule for meetings
• Local participants attend as an in-person meeting
• Remote access is provided to remote participants to view/present/interact similarly to on-line meetings (best effort)

Please wear your badge when in the meeting areas of the hotel
• Red badge vs Green badge
• This will help the staff to improve the general security of the meeting rooms
• PCs HAVE BEEN STOLEN at previous meetings – DO NOT assume that meeting areas are secure
MIXED MODE GUIDELINES

All meetings are supported by an in-person mixed mode facilitator

• Project in the meeting room
• Appear in WebEx as “Meeting Room”
• Broadcast meeting room audio
• Mute or remove noisy lines
• Monitor the WebEx queue

The chair runs the meeting

• Responsible for recognizing people in two queues
  • In person at the mic
  • On WebEx (assisted by facilitator)
• May not follow the WebEx chat

All presenters present via WebEx

If you are in-person, you may join WebEx to

• Present
• See the screen
• Chat (not part of the meeting)

If you are in-person and join WebEx

• DO NOT connect to the audio
  • After you accept the IEEE SA terms
  • Before you click join meeting
  • Change your audio:

Audio: Don’t connect to audio
Select: “Audio Use Computer Audio”

From the selection choose: “Don’t Connect to Audio”

Once completed: join meeting

Click on: ^
Select: “Switch audio”
Select “Disconnect”
INSTRUCTIONS FOR CHAIRS OF
STANDARDS DEVELOPMENT ACTIVITIES

At the beginning of each standards development meeting the chair or a
designee is to:

- Show the following slides (or provide them beforehand)
- Advise the standards development group participants that:
  - IEEE SA’s copyright policy is described in Clause 7 of the IEEE SA Standards Board
    Bylaws and Clause 6.1 of the IEEE SA Standards Board Operations Manual;
  - Any material submitted during standards development, whether verbal, recorded,
    or in written form, is a Contribution and shall comply with the IEEE SA Copyright
    Policy;
- Instruct the Secretary to record in the minutes of the relevant meeting:
  - That the foregoing information was provided and that the copyright slides were
    shown (or provided beforehand).
- Ask participants to register attendance in IMAT: https://imat.ieee.org
IEEE SA COPYRIGHT POLICY

By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.

- Previously Published material (copyright assertion indicated) shall not be presented/submitted to the Working Group nor incorporated into a Working Group draft unless permission is granted.
- Prior to presentation or submission, you shall notify the Working Group Chair of previously Published material and should assist the Chair in obtaining copyright permission acceptable to IEEE SA.
- For material that is not previously Published, IEEE is automatically granted a license to use any material that is presented or submitted.
IEEE SA COPYRIGHT POLICY

- The IEEE SA Copyright Policy is described in the IEEE SA Standards Board Bylaws and IEEE SA Standards Board Operations Manual

  - IEEE SA Copyright Policy, see
    Clause 7 of the IEEE SA Standards Board Bylaws
    https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7
    Clause 6.1 of the IEEE SA Standards Board Operations Manual
    https://standards.ieee.org/about/policies/opman/sect6.html

- IEEE SA Copyright Permission
  - https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip

- IEEE SA Copyright FAQs

- IEEE SA Best Practices for IEEE Standards Development

- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
INSTRUCTIONS FOR THE WG CHAIR

The IEEE SA strongly recommends that at each WG meeting the chair or a designee:

- Show slides 1 through 4 of this presentation
- Advise the WG attendees that:
  - IEEE’s patent policy is described in Clause 6 of the IEEE SA Standards Board Bylaws;
  - Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
  - There may be Essential Patent Claims of which IEEE is not aware. Additionally, neither IEEE, the WG, nor the WG Chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.
- Instruct the WG Secretary to record in the minutes of the relevant WG meeting:
  - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
  - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
  - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.
- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG Chair review the guidance in IEEE SA Standards Board Operations Manual 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

Note: WG includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE SA Standards Board.
PARTICIPANTS HAVE A DUTY TO INFORM THE IEEE

• Participants **shall** inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents

• Participants **should** inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

Early identification of holders of potential Essential Patent Claims is encouraged
WAYS TO INFORM IEEE

• Cause an LOA to be submitted to the IEEE SA (patcom@ieee.org); or

• Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or

• Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair.
OTHER GUIDELINES FOR IEEE WORKING GROUP MEETINGS

• All IEEE SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
  • Don’t discuss the interpretation, validity, or essentiality of patents/patent claims.
  • Don’t discuss specific license rates, terms, or conditions.
    • Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
    • Technical considerations remain the primary focus.
  • Don’t discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
  • Don’t discuss the status or substance of ongoing or threatened litigation.
  • Don’t be silent if inappropriate topics are discussed. Formally object to the discussion immediately.

PATENT-RELATED INFORMATION

The patent policy and the procedures used to execute that policy are documented in the:

- IEEE SA Standards Board Bylaws
  (http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6)

- IEEE SA Standards Board Operations Manual
  (http://standards.ieee.org/develop/policies/opman/sect6.html#6.3)

Material about the patent policy is available at
http://standards.ieee.org/about/sasb/patcom/materials.html

If you have questions, contact the IEEE SA Standards Board Patent Committee Administrator at patcom@ieee.org
Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct

- All participants in IEEE-SA activities are expected to adhere to the core principles underlying the:
  - IEEE Code of Ethics
  - IEEE Code of Conduct

- The core principles of the IEEE Codes of Ethics & Conduct are to:
  - Uphold the highest standards of integrity, responsible behavior, and ethical and professional conduct
  - Treat people fairly and with respect, to not engage in harassment, discrimination, or retaliation, and to protect people's privacy.
  - Avoid injuring others, their property, reputation, or employment by false or malicious action

- The most recent versions of these Codes are available at http://www.ieee.org/about/corporate/governance
Participants in the IEEE-SA “individual process” shall act independently of others, including employers

• The IEEE-SA Standards Board Bylaws require that “participants in the IEEE standards development individual process shall act based on their qualifications and experience”

• This means participants:
  – **Shall act & vote** based on their personal & independent opinions derived from their expertise, knowledge, and qualifications
  – **Shall not act or vote** based on any obligation to or any direction from any other person or organization, including an employer or client, regardless of any external commitments, agreements, contracts, or orders
  – **Shall not direct** the actions or votes of other participants or retaliate against other participants for fulfilling their responsibility to act & vote based on their personal & independently developed opinions

• By participating in standards activities using the “individual process”, you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation
IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints

- The IEEE-SA Standards Board Bylaws (clause 5.2.1.3) specifies that “the standards development process shall not be dominated by any single interest category, individual, or organization”
  - This means no participant may exercise “authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints” or “to hinder the progress of the standards development activity”

- This rule applies equally to those participating in a standards development project and to that project’s leadership group

- Any person who reasonably suspects that dominance is occurring in a standards development project is encouraged to bring the issue to the attention of the Standards Committee or the project’s IEEE-SA Program Manager
Subgroup announcements

- Subgroup Chairs (or designees) please note during this plenary session:
  - At the start of the first TG meeting, announce that the meeting is subject to the policies in "MEETING INTRODUCTION" http://www.ieee802.org/1/files/public/templates/admin-TG-intro-0721-v01.pdf made available beforehand (as announced in the opening plenary meeting); and
    - Make the Call for Potentially Essential Patents and minute any responses to it.
  - At the start of the first pre-PAR subgroup meeting, announce that the meeting is subject to the policies in "MEETING INTRODUCTION" http://www.ieee802.org/1/files/public/templates/admin-prePAR-intro-0721-v01.pdf made available beforehand (as announced in the opening plenary meeting).
  - After any recess, announce that the meeting remains subject to the policies as read and displayed in the opening plenary meeting.
  - At meeting start & after any recess, ask participants to record attendance in IMAT and, if unable to do so, to promptly provide their affiliation to the minute taker.
  - Direct participants to the IEEE SA website for additional details on the
    - IEEE Patent Policy (https://standards.ieee.org/content/ieee-standards/en/about/sasb/patcom/index.html); and
DECORUM

- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (5.3.3.3 of SASB Operations Manual)
- Video/Audio recording by participants is prohibited (5.3.3.2 of SASB Operations Manual)
- Photography by permission only (5.3.3.2 of SASB Ops Manual)
- Cell phone ringers off please
ATTENDANCE

Please record your attendance in IMAT at [https://imat.ieee.org](https://imat.ieee.org)

- This requires a free IEEE Account.
- Please create one only if you do not yet have an IEEE Account.

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Please record your attendance for an active meeting (denoted by a yellow bar) by clicking on the yellow bar. Once your attendance has been recorded, the yellow bar changes to a green bar.

The data from IMAT is used as the meeting participant list.
- Please promptly provide your affiliation to the minute taker if you are unable to record your attendance in IMAT.
Plenary Registration Fee

• Attendance at any meeting held during or as part of the November 2022 Plenary Session requires registering and paying the appropriate fee
  – Early $US600.00 until September 16, 2022
  – Standard $US800.00 until October 31, 2022
  – Late/Onsite $US1000.00 after October 31, 2022

• Registration details
  http://802world.org/plenary/

• WiFi: SSID – IEEE802  Password - ieeeiieeee
Asia-Pacific Economic Cooperation

- There will be extra security at Marriott from 14th - 19th November 2022
  - The main entrance at the lobby shall be the only point to enter or exit the hotel.
  - Gate Access from Benchasiri Park will be closed.
  - Shuttle bus service to Emporium Tower (Phrom Phong BTS station) will be available every 30 minutes from 07.00–22.00 hrs.
  - Please carry your passport with you at all times.
Food Logistics

• Daily breaks available in Ballroom and Great Hall Foyers.
  – Arrival 7:30 AM - 8:30 AM
  – AM 9:45 AM - 10:45 AM
  – PM 3:00 PM - 4:00 PM

• Lunch is included
  – show name badge at Goji Kitchen restaurant
  – 12:00 PM - 2:00 PM

• Social event
  – Selection of Thai Street Food Stations, Beverages, Music and Entertainment
  – Sala Thai Ballroom, 5th Floor
  – Wednesday November 16th
    6:30 PM - 8:30 PM
General Information

• Meeting contributions
  – [http://ieee802.org/1/filenuaming.html](http://ieee802.org/1/filenuaming.html)
  – Please upload **24 hours** BEFORE presentation

• Minutes
  – [https://1.ieee802.org/category/wg-minutes/](https://1.ieee802.org/category/wg-minutes/)

• Schedule for all WGs
  – All 802.1 - [https://1.ieee802.org/wg-calendar/](https://1.ieee802.org/wg-calendar/)
  – All 802 - [http://www.ieee802.org/802tele_calendar.html](http://www.ieee802.org/802tele_calendar.html)

• Website
  – [http://ieee802.org/1/](http://ieee802.org/1/)
Officers and Leadership

- Chair: Glenn Parsons
- Vice-Chair & Recording Secretary: Jessy Rouyer
- Executive Secretary: Stephan Kehrer
- Liaison Secretary: Karen Randall
- Maintenance TG Chair: Paul Congdon
- Security TG Chair: Mick Seaman
  - Security TG Vice-Chair: Karen Randall
- TSN TG Chair: János Farkas
  - TSN TG Vice-Chair: Craig Gunther
  - TSN TG Secretary: Johannes Specht
  - IEC/IEEE 60802 Joint Project Chair: Ludwig Winkel
  - IEC/IEEE 60802 Joint Project Secretary: Josef Dorr
  - IEEE P802.1DP/SAE AS6675 joint project co-Chairs: Abdul Jabbar & János Farkas
  - IEEE P802.1DP/SAE AS6675 joint project Secretary: Marina Gutiérrez
- NENDICA Chair: Roger Marks
- YANGsters Chair: Scott Mansfield
  - YANGsters Vice-Chair and Secretary: Stephan Kehrer
- Maintenance of Email exploder: Mark Hantel and Hal Keen
- Maintenance of website: Roger Marks, John Messenger
802.1 WG Process

• **IEEE 802 Working Group Policies and Procedures**

• **Guidelines** available on
  – WG voting membership
  – WG ballots

• “New work” process
  – Previously scheduled in TGs towards the end of session
    • There is limited time for such proposals
    • Does not allow for consensus building
  – Migration towards vetting all new work in Nendica
    • Strong proposals can be directed to the TG/WG to initiate a PAR
    • Proposals needing more consensus can be further developed
Joint Development Procedures

- IEEE/IEC 60802 joint project
  - Guide to IEC/IEEE cooperation
  - IEC/IEEE cooperation on TSN – rev 10

- IEEE P802.1DP/SAE AS6675 joint project
  - IEEE/SAE joint development agreement
  - IEEE/SAE cooperation on TSN – rev 3
Affiliation

• You must declare your affiliation(s) which includes employer(s)
  – Per [SASB Bylaws](https://standards.ieee.org/faqs/affiliation.html) 5.2.1.5 & [SASB OpsMan](https://standards.ieee.org/faqs/affiliation.html) 5.1.2.3
    • Also see [https://standards.ieee.org/faqs/affiliation.html](https://standards.ieee.org/faqs/affiliation.html)
  – In meetings
    • In-person (and current plenary session) meeting registration system
    • myProject system for IMAT attendance, ePoll & myBallot
    • Electronic meeting participant list
    • First time you speak in a session
  – When balloting
    • 802.1 ballot email responses for TG & WG ballots
    • myProject system for SA ballot

• Please keep your affiliation* and employer** information up-to-date

(*) After signing in in myProject > Manage Profile & Interests > Personal & Professional Info > Employer field
(**) After signing in at [https://ieee.org](https://ieee.org) > Your Name > Professional and Education Information > “Your employment information” Edit > Employer
Electronic ballots (ePolls)

• No ePolls since July plenary

• To progress work items outside an 802.1 plenary session, a series of 10-day electronic ballots using ePoll were conducted
  – [https://mentor.ieee.org/802.1/polls](https://mentor.ieee.org/802.1/polls)
Voting Membership

• Voting membership in 802.1 is a privilege that holds a responsibility to review drafts and vote on WG ballots (including ePolls)

• You must actively request to become a voting member and take on this responsibility
  – Email WG Chair and Recording Secretary

• Ongoing retention of 802.1 voting rights is predicated on active participation
  – Attendance and Working Group ballots (including ePolls)
Responding to WG ballots

- To retain your voting membership, you must return 2 out of the last 3 WG ballot series (including ePolls).

- When you return your vote on a TG/WG ballot:
  - Do use the correct email list (STDS-802-1-ballot@listserv.ieee.org) and subject line, as specified in the email instructions (viewable on the main 802.1 Email archive).
    - If you do not, the automatic tools will not count your vote.
  - Do not simply “Reply” to the ballot announcement.

- When you lose your voting membership this way, you lose all your qualifying attendance credit.
  - If you want to become a voting member again, you have to notify the WG Chair and Recording Secretary that you wish to become a voting member again.
The following are 802.1 voting members (77):

Ademaj, Astrit
Arunarthi, Venkat
Assmann, Ralf
Bao, Huajie
Belliardi, Rudy
Boiger, Christian
Bottorff, Paul
Canchi, Radhakrishna
Chen, Feng
Choudhury, Abhijit
Congdon, Paul
Cummings, Rodney
Dorr, Josef
Elbakoury, Hesham
Engelmann, Anna
Enzinger, Thomas
Farkas, Janos
Fedyk, Donald
Finn, Norman
Garner, Geoffrey
Gopal, Amrit
Gunther, Craig
Gutierrez, Marina
Haddick, Stephen
Hantel, Mark
Henry, Jerome
Holness, Marc
Hopf, Daniel
Huh, Woojung
Itaya, Satoko
Ito, Yoshihiro
Karl, Michael
Kehrer, Stephan
Kelsey, Randy
Kiessling, Marcel
Lai, Gavin
Lopes, Joao
Lv, Lily
Mangin, Christophe
Mansfield, Scott
Mater, Olaf
McCall, David
McMillan, Larry
Messenger, John
Nakano, Hiroki
Pannell, Donald R
Parsons, Glenn
Potts, Michael
Proell, Dieter
Randall, Karen
Riegel, Maximilian
Rodrigues, Silvana
Rouyer, Jessy
Sato, Atsushi
Schewe, Frank
Seaman, Michael
Seewald, Maik
Sivakolundu, Ramesh
Specht, Johannes
Stanica, Marius
Steindl, Guenter
Stamenic, Nemanja
Traore, Karim
Turner, Max
Varga, Balazs
Venkatesan, Ganesh
Wang, Xinyuan
Wang, Tongtong
Weber, Karl
Wessels, Leon
Winkel, Ludwig
Woods, Jordon
Yamaura, Takahiro
Zeier, Uwe
Zein, Nader
Zhao, William
Zinner, Helge
The following will become voting members when/if they attend this session:

Blendin, Jeremias
The following could become voting members if they email me and the Recording Secretary indicating their intention to do so and if they attend this session:

Akizuki, Katsuyuki
Alexandris, Konstantinos
Ananda, Narasimha
Bierschenk, Jens
Gelish, Joseph
Gravel, Mark

Klamser, Oliver
Markwart, Christian
Meisinger, Andreas
Mittelberger, Martin
Takita, Daisuke
The following will lose voting member status for lack of qualifying attendance, unless they attend this session:

Ademaj, Astrit
Henry, Jerome
Kelsey, Randy
Messenger, John
Potts, Michael
Wang, Xinyuan
The following could *lose* their voting membership at the end of this plenary session through lack of qualifying WG letter ballot voting:

None
802.11 Reciprocal credit

- 802.1 voting members may get credit for attending any 802.11
- 802.1 voting members who are also 802.11 voting members may get a popup in IMAT each time they register attendance to ask which group they are accumulating credit for this plenary session.
- 802.1 attendance credit will not be granted for a voting member who attended only 802.11 meetings.
January 2023 interim

• Co-located with IEEE 802 wireless group
• Registration fee
  – Estimated to be 700 USD for early-bird rate
• In-Person with provisions to support mixed-mode
  – Hilton Baltimore
  – Remote participation possible
• Date
  – January 15-20, 2023
• More information to be posted to the 802-All and 802 WG reflectors
May 2023 interim

• ABB offer to host (proposal)
• Registration fee
  – Estimated to be around 500-600 EUR
• In-Person only
  – Radisson Blu Royal Hotel, Helsinki, Finland
  – Hybrid or remote observers may be supported
• Date
  – May 15-19, 2023
Interim sessions

• January 15-20, 2023
  – Baltimore, MD, USA hosted by the IEEE 802 Wireless group

• May 15-19, 2023
  – Helsinki, Finland hosted by ABB (with provisions to support mixed mode)

• September 2023
  – Option for in-person session is currently evaluated.
    More information will be provided when it is available.

• 2024
  – Hosts are welcome
Plenary sessions

- November 13-18, 2022 – Bangkok, Thailand
  - Marriott Marquis Queen’s Park
- March 12-17, 2023 – Atlanta, GA, USA
  - Hilton Atlanta
- July 9-14, 2023 – Berlin, Germany
  - Estrel Berlin
- November 12-17, 2023 – Honolulu, HI, USA
  - Hawaiian Village
- March 10-15, 2024 – Denver, CO, USA
  - Hyatt Regency Denver at Colorado Convention Center
- July 14-19, 2024 – Montreal, QC, Canada
  - Sheraton Le Centre Montreal
- November 10-15, 2024 – Vancouver, BC, Canada
  - Hyatt Regency
- March 9-14, 2025 – Atlanta, GA, USA
  - Hilton Atlanta
Straw polls - interim

1. If the 2023 January Interim Session is held at the Hilton in Baltimore, Maryland, as a mixed-mode session, will you attend:
   - Attend In-person - 21
   - Attend Virtually (remotely) - 25
   - Will not attend interim - 2
   - No response - 11

2. If the 2023 May Interim Session is held at the Radisson Blu in Helsinki, Finland as a mixed-mode session, will you attend:
   - Attend In-person - 30
   - Attend Virtually (remotely) - 15
   - Will not attend interim - 3
   - No response - 11
Straw polls - plenary

1. If you will attend one of the three meetings on Friday, Nov 19 2022 ( 802 EC Closing Plenary, the 802.11 Closing Plenary or the 802.1 "IEC/IEEE 60802" meeting ) will you participate (eat/drink) :
   • With breakfast? - 25
   • with the AM Break? - 25
   • With lunch? - 26
   • with the PM Break? - 23

2. If the 2023 March Plenary Session is held at the Hilton Atlanta in Georgia, USA as an in-person only session, will you attend?
   • Yes – 32   No - 17   Did not respond - 13

3. If the 2023 March Plenary Session is held at the Hilton Atlanta in Georgia, USA as a mixed-mode session, will you attend:
   • Attend In-person - 25
   • Attend Virtually (remotely) - 24
   • Will not attend plenary - 0
   • Did not respond - 13
Straw poll for closing

1. Would you like to come back to this venue?
   • Yes/No

2. Did you go to the social?
   • Yes/No

3. Did you like the social?
   • Yes/No
LMSC schedule
EC/WG/TAG meetings for the plenary

http://schedule.802world.com/

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<td>13:30-18:00</td>
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<td>Thai Boromphimarn</td>
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Meeting logistics available on 802 calendar
https://www.ieee802.org/802tele_calendar.html
802 EC report – Plenary Session #131

- March 2024 – Paul Nikolich will not run for IEEE 802 chair
  - The 802 chair also appoints several EC positions
  - Anyone can be nominated. Interested? Contact Paul.
- IEEE Technical Activities Board – Committee on Standards
- Near term and Future meetings ad hoc
  - Near term sunsetted, future meetings divided
- 802 Rules update (EC-22-236)
  - PAR archiving, student attendance, affiliations
- Venues (EC-22-203)
  - November 2022 – 390 in-person, 530 remote attendees
  - Future in person venues contracted into 2027, contracting to resume in 2023
- Treasurer (EC-22-224)
  - 2022 surplus projected at $400k to restore reserves to over $1M
- Standards Media distribution – March 2023
IEEE SA Staff supporting IEEE 802

• Jodi Haasz – IEEE 802 lead
• Christian Orlando – IEEE 802.1 program manager
• Christy Bahn – IEEE 802 senior program manager
• Ron Hotchkiss – IEEE SA program manager (remote)
• Mike Kipness – IEEE SA program manager (remote)
IEEE 802 program status

• IEEE 802 Publication Report - November 2022, ec-22-0218-00-00SA
• IEEE 802 Active PAR Report - 12 October 2022, ec-22-0214-00-00SA
• IEEE 802 Active Standards Report - 20 October 2022, ec-22-0216-00-00SA
• IEEE 802 GET Program Report - November 2022, ec-22-0215-00-00SA
• IEEE 802 EC Solutions Report - November 2022, ec-22-0223-00-00SA
Notable

• 802.1 3rd in standards downloads with 17k
• 802.1Q-2022 publication expected Dec 20th
• 802.1BR-2012
  – 261 downloads in last year
  – Status changes to “inactive reserved” at end of year (implemented in March 2023)
  – Do we actively withdraw?
    • Maintenance PAR for withdrawal – Nov 2022
    • SA Ballot
    • RevCom – Mar 2023
      – Changes status to “inactive withdrawn”
      – Adds watermark “Withdrawn Standard”
Straw Poll

• Do we create a PAR to actively withdraw 802.1BR-2012?
  – Yes - 20
  – No - 21
  – Did not vote - 22
Public Review

• Since July 2015, all eligible projects where a SA ballot is initiated also have a Public Review period initiated simultaneously.
  – https://publicreview.standards.ieee.org
  – For process questions see FAQ

• Status
  – No comments yet
  – No current public review
802.1 PARs this session

- None

Normal session process
- Pre-circulation of PARs
  - October 10
- Maintenance TG prepares 802.1 comments
  - November 15 at 6pm ET
- 802.1 response to other WG comments
  - November 16 at 6pm ET
- EC approval
  - November 18
Other 802 PARs this session

- 802.3df - Amendment: Media Access Control Parameters for 800 Gb/s and Physical Layers and Management Parameters for 400 Gb/s and 800 Gb/s Operation, PAR Modification and CSD
  - 802.1 comments
- 802.3dj - Amendment: Media Access Control Parameters for 1.6 Tb/s and Physical Layers and Management Parameters for 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Operation, PAR and CSD
  - 802.1 comments
- 802.3dk - Amendment: Greater than 50 Gb/s Bidirectional Optical Access PHYs, PAR and CSD
- 802.11bk - Amendment: 320 MHz Positioning, PAR and CSD
  - 802.1 comments
Tutorials

• Tutorial #1 (6:00–7:20 pm ICT), Access Information
  - AMP IoT Technologies and Applications
    • Prof. Hao Min, Fudan University
    • Dr. Heng Pan, Finsiot Inc.

• Tutorial #2 (7:30–8:50 pm ICT), Access Information
  - Wi-Fi Meets ML: Re-thinking Next-generation Wi-Fi Networks
    • Szymon Szott, AGH University of Science and Technology
    • Boris Bellalta, UPF Barcelona

• Tutorial #3 (9:00–10:30 pm ICT), Access Information
  - IEEE 802 WG and TAG status
    • David Law, HPE
    • Glenn Parsons, Ericsson
    • George Zimmerman, CME Consulting / Self
    • Dorothy Stanley, HPE
    • Clint Powell, Meta
    • Edward Au, Huawei Technologies
    • Steve Shellhammer, Qualcomm Technologies
    • Tim Godfrey, Electric Power Research Institute
Liaison Resources

- IEEE 802.1 Liaison Page
  - [https://1.ieee802.org/liaisons/](https://1.ieee802.org/liaisons/)
  - Liaison Table ([https://1.ieee802.org/liaisons/liaisontable/](https://1.ieee802.org/liaisons/liaisontable/))
  - Liaison templates – updated IEEE staff contact info, March 2022

- IEEE 802 SA Liaison List for IEEE 802.1
  - [https://ieee-sa.imeetcentral.com/802liaisondb/FrontPage](https://ieee-sa.imeetcentral.com/802liaisondb/FrontPage)

- IEEE Draft Sharing page is maintained by IEEE SA
  - Must confirm organizations outside IEEE SA are on the list before sharing any draft standard.
Incoming Liaisons

• Liaison from **LNI 4.0**: LS to request access to IEEE 802.1 drafts [TSN]
• Liaison from **SG15**: LS19 on IM/DM modelling coordination [TSN]
• Liaison from **IEEE 1914**: Liaison to ITU-T JCA-IMT2020 in response to request on 5G-related activity update (copy for information) [TSN]
• Liaison from **SG15**: LS15 - response on LS on OTNT Stdzn Work Plan Issue 30 & Issue 31 OTNT SWP; Issue 31 input due April 2023 [Maintenance]
• **ISO/IEC JTC1 SC6**: DCOR Ballot comments on IEEE Std 802.1AS-2020/Cor-1-2021 [Maintenance]
• Liaison from **ITU-T JCA**: LS on Invitation to update the information in the IMT2020 roadmap (July 2022) [Maintenance]
• Liaison from **SG13**: LS on work items related to deterministic networking in ITU-T SG13 (July 2022) [TSN]
• Liaison from **BBF**: LS use of the IEEE 802.1X YANG model in BBF-specified Access Nodes (May 2022) [Security and YANGsters]
Status of Outgoing Liaisons

• Liaisons sent (since July Plenary):
  – Sent liaison response to ITU-T SG15 LS 351: OTNT Standardization Work Plan Issue 30
  – Sent IEEE P802.1AEdk to ISO/IEC JTC1 SC6 for information
  – Sent liaison response for SC6 CIB ballot comments on IEEE Std 802.1ACct and IEEE Std 802.1BA.
  – Sent liaison to IETF Internet Area WG to share P802.1CQ (Nov 2021 motion)

• Approved liaisons (still to be completed):
  – Send IEEE P802f and IEEE P802.1Qcw to SC6 for information, when the SA ballot starts (July 2022 motion)
  – Send latest version of IEEE P802f to IETF netmod, when the SA ballot starts (July 2022 motion)
  – Send IEEE 802.1Q-Rev to SC6 for adoption, when published (November 2021 motion)
  – Send IEEE 802.1Qcz to SC6 for adoption, when published (November 2020 motion)
IETF coordination

• **LMSC IETF SC** – no meeting this plenary

• **IAB/IESG/IEEE 802 coordination** – Oct 19
  – Item 5. Enabling use of Local Addresses for virtualization and IoT
    • [RFC 7042 update](https://tools.ietf.org/html/rfc7042) in INT Area WG needs 802.1 WG review
    • IEEE 802.1CQ shared via liaison

  – Item 25. Layer 2/Layer 3 Interaction for Time-Sensitive Traffic
    • TSN and DetNet well coordinated with joint participation

  – Item 27. Development of YANG models in the IEEE 802
    • 802.1 following process towards YANG catalog
    • 802.1AX YANG desired by IETF
    • P802f will be shared with NetMOD

  – Item 33. Capability Discovery
    • 802.1ABdh-2021 published, IETF drafts have not progressed

  – Item 35. MAC Address Device Identification for Network and Application Services
    • draft-ietf-madinas-use-cases
Meetings with other 802 WGs

• **802.1 & 802.15** (Tues 18:30 – 19:30)
  – Review of 802.15.4 progress on architecture
  – Potential for 802.1AC amendment

• P802.3dg TG (Wed 10:30 – 11:30)
  – Contribution on 802.3 referencing in conformance section

• **802.24** (Thurs 10:30 ...) at TSN TG
  – EV charging
Promotion

• IEEE SA marketing collateral
  – TSN automotive, TSN industrial
  – TSN logo

• Issue press releases, call for participation or blog posts
  – TSN feature topic – IEEE Communications Standards Magazine

• Tutorial
  – TSN tutorial proposed for development and release in early 2023
  – TSN webinars
    • 802.1 – Sept 16, TSN toolset – Dec 2, 802.1AS – Feb 24, AVB – Jun 9, Fronthaul - Sept 8
    • Next: Industrial Automation, Automotive, Aerospace
  – Computer Society webinars
    • Data Center?

• Industry Events
  – TSN/A – 28-29 September 2022
  – IEEE-SA Ethernet & IP - Automotive Technology Day – 9-10 Nov 2022
TSN/A Conference 2022

“TSN in Reality”

802.1 presence

- Christian Boiger
- Josef Dorr
- János Farkas
- Rodrigo Ferreira Coelho
- Stephan Kehrer
- João Lopes
- Dieter Proell
- Alon Regev
- Johannes Specht
- Günter Steindl
- Max Turner
- Balázs Varga
- Ganesh Venkatesan
- Ludwig Winkel
- Jordon Woods

IEEE SA as Lead Exhibitor

see pictures and video at the conference page
IEEE-SA Ethernet & IP - Automotive Technology Day

9-10 NOVEMBER 2022 | YOKOHAMA, JAPAN

Ethernet & IP @ Automotive Technology Day

The premier venue to share ground breaking ideas along with implementation strategies and applications related to Automotive Ethernet Systems.
TSN webinars - statistics

- **802.1 Introduction**
  - Live - 76 Attendees
    - 55 Avg Minutes Viewed
    - 14 Questions Asked
  - On-Demand - 203 Attendees
    - 39 Avg Minutes Viewed
- **TSN**
  - Live - 57 Attendees
    - 45 Avg Minutes Viewed
    - 8 Questions Asked
  - On-Demand - 173 Attendees
    - 39 Avg Minutes Viewed
- **802.1AS**
  - Live - 235 Attendees
    - 48 Avg Minutes Viewed
    - 24 Questions Asked
  - On-Demand - 154 Attendees
    - 32 Avg Minutes Viewed
- **802.1BA – AVB**
  - Live - 77 Attendees
    - 45 Avg Minutes Viewed
    - 9 Questions Asked
  - On-Demand - 53 Attendees
    - 29 Avg Minutes Viewed
- **802.1CM – Fronthaul**
  - Live - 168 Attendees
    - 43 Avg Minutes Viewed
    - 8 Questions Asked
  - On-Demand - 133 Attendees
    - 34 Avg Minutes Viewed
802.1 Public Visibility Messaging

• Coordinating with IEEE 802 Public Visibility Standing Committee
  – Chair: John D'Ambrosia
  – 802.1 coordinator: Roger Marks
  – LinkedIn promotion

• Maintaining web page
  – [https://1.ieee802.org/visibility/](https://1.ieee802.org/visibility/)
  – tracking topics and status
  – Technical webinars with Computer Society
  – new topics welcome
# Sanity check – current workload

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<th>Short Title</th>
<th>Last Motion</th>
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# 802.1 plenary session

## Electronic Meeting Schedule

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<tr>
<th></th>
<th>Monday Nov 14</th>
<th>Tuesday Nov 15</th>
<th>Wednesday Nov 16</th>
<th>Thursday Nov 17</th>
<th>Friday Nov 18</th>
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<td>Nendica</td>
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<td>11:00</td>
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<td>12:00</td>
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</table>

### 802.1/802.15 Joint
- **Nendica**
- **Social Event**

### IEEE 802 Working Group and Technical Advisory Group status
802.1 Leadership meetings

• Every Thursday – 11:00 ET
  – Since February 2020 to manage current shift to electronic sessions

• Additional leadership – November 15th 12:30
  – Prepare PAR responses, EC consent agenda for Nov 18th EC meeting

• Editors’ meetings
  – 11:00 ET - Thursday after each session (Dec 1st)
  – Sharing of best practices by editors
Logistics Orientation

• For new attendees:
  – https://1.ieee802.org/orientation/

• DVL
  – Training
  – Practice the web-based voting tool
    • Access via the “Cast your vote” link on the 802.1 Nov 2022 plenary session page
Subgroup agendas

• **Maintenance TG**
  – Including P802REVc

• Security TG (not meeting at this plenary)

• **TSN TG**

• **Nendica** – Network Enhancements for the Next Decade Industry Connections Activity

• **YANGsters**
Maintenance TG Session Plan

• Three maintenance TG meeting during the session (Meeting Room 2 – 7th Floor):
  – November 15, 2022 - 8AM ICT – P802-REVc
  – November 15, 2022 – 9AM ICT – Administrative (SC6, Liaisons, PARs)
  – November 17, 2022 – 8AM ICT – P802.1ASdr, Maintenance Requests

• Projects and Status
  – P802.1ASdr – Amendment: Inclusive Terminology
    • Comment resolution
  – P802-REVc – Revision of 802-2014 (roll-up of amendments)
    • Comment resolution, WG balloting process
  – P802-1CS/Cor1 – Corrigendum
    • Awaiting Editor assignment
    • PAR modification to expand scope

• Outgoing Liaisons needed:
  – Response to LS on Invitation to update the information in the IMT2020 roadmap
  – Review LS on OTNT Standardization Work Plan Issue 30 (& Issue 31 OTNT SWP)
  – Response to comment on IEEE 802.1AS-2020/Cor-1 (SC6 N17841 and N17877)

• Maintenance request status – see: [https://www.802-1.org/home](https://www.802-1.org/home)
  – 2 newly received item
  – 8 technical expert review
IEEE 802.1 TSN TG Agenda
IEEE 802 Plenary, November 14-18, 2022

<table>
<thead>
<tr>
<th>ICT Start</th>
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<th>Monday Nov 14</th>
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<th>Friday Nov 18</th>
<th>ET Start</th>
<th>PT Start</th>
<th>CEST Start</th>
<th>JST Start</th>
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<tbody>
<tr>
<td>8:00</td>
<td>8:30</td>
<td>TSN - IEC/IEEE 60802 Ad Hoc discussion</td>
<td>TSN - P802.1DP/AS6675 Offline config. Model, Time sync integrity</td>
<td>TSN - IEC/IEEE 60802 Ad Hoc discussion</td>
<td>TSN - IEC/IEEE 60802 End station integration</td>
<td>TSN - IEC/IEEE 60802 End station integration</td>
<td>20:00</td>
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<td>8:30</td>
<td>9:00</td>
<td>TSN - IEC/IEEE 60802 Ad Hoc discussion</td>
<td>TSN - P802.1DG JASPAR use case, Short frames</td>
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- TSN TG agenda details are available at: [https://1.ieee802.org/2022-07-plenary-tns-agenda/](https://1.ieee802.org/2022-07-plenary-tns-agenda/)
- Note that the TSN TG agenda may change, e.g., depending on progress
Nendica Session Preview, Nov 2022

- Agenda

- Tuesday 19:30-21:30
  - Cut-Through Forwarding Study Item

- Thursday 08:00-10:00
  - all Study Item topics, per contribution
  - any new topics, per contribution
  - Future meeting planning
  - Finalize Nendica Status Report

- Jessy Rouyer will convene both meetings
YANGsters Status
Nov 2022 Plenary

• YANGsters site
  – https://1.ieee802.org/yangsters/

• YANGsters agendas
  – https://1.ieee802.org/category/yangsters-agenda/

• Activities
  – Held 6 regular YANGsters calls since end of July 2022 and one two-hour call during the 802.1 interim in September 2022

• Plans (Assuming agreement for more meetings)
  – Guidelines for YANG Profiles

• Agenda for this session
  • Introduction to YANGsters
  • Status
    • QRev, Qcz, Qcw, AEdk, ASdn update
    • Review yang status spreadsheet
  • Git Tutorial and Suggestion
  • Plan for Friday – support of YANG Profiles
Any other business?