# IEEE 802.1

# Opening Plenary
# July 2024

Glenn Parsons – IEEE 802.1 WG Chair

glenn.parsons@ericsson.com

# 802.1 plenary agenda

**Monday, July 15<sup>th</sup> opening**

- [Copyright Policy](#)
- [Call for Patents](#)
- [Participant behavior](#)
- Administrative
- Membership status
- Future Sessions
- 802 EC report
- Incoming Liaisons
- Promotion
- Awards
- Sanity check – current projects
- TG agendas
- Any other business

**Thursday, July 18<sup>th</sup> 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

# REGISTRATION FEE

Access to this session* requires a registration fee. Please check the session announcement for details before attending.

* IEEE 802.1 holds 3 plenary sessions and 3 interim sessions a year.
No registration fee is required for IEEE 802.1 electronic meetings held between these sessions.

IEEE SA STANDARDS ASSOCIATION

◆IEEE

# JULY 2024 MIXED MODE SESSION

**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**

- 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
- Appears as "Meeting Room"
- Broadcast meeting room audio
- Mute or remove noisy lines
- Monitor the conferencing queue

**The chair runs the meeting**

- Responsible for recognizing people in two queues
  - In person at the mic
  - On web conferencing (assisted by facilitator)

**All presenters <span style="color:red">present via web conferencing</span>**

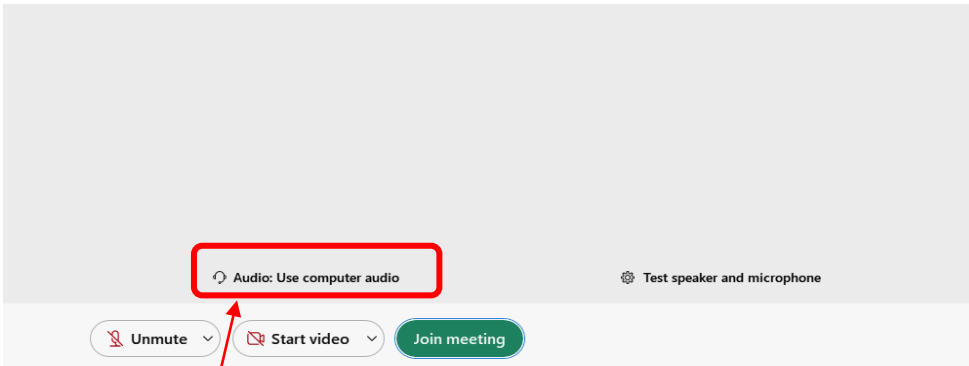**If you are in-person, you <u>may</u> join web conferencing to**

- Present
- See the screen
- Chat (***not*** *part of the meeting*)

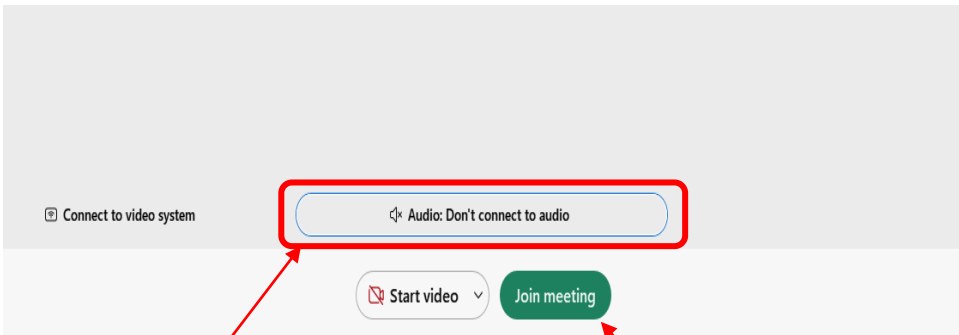**If you are in-person and <u>join</u> web conferencing**

- **DO NOT connect to the audio**
- After you **accept** the IEEE SA terms
- Before you **click join meeting**

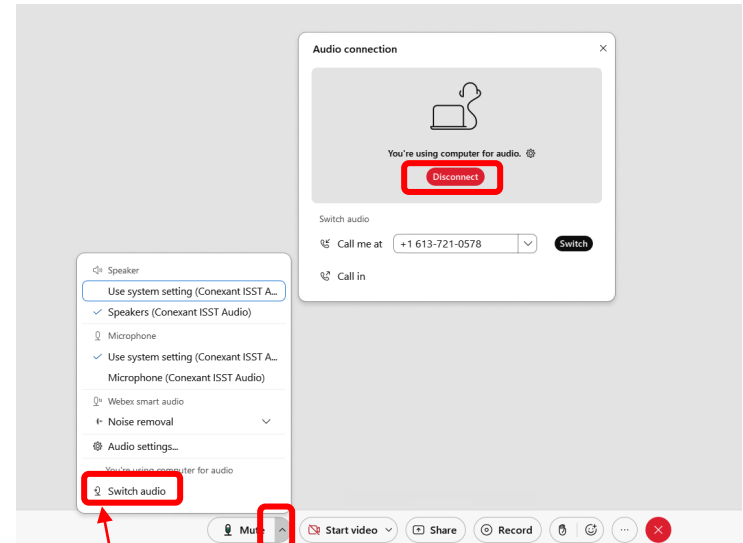◁× Audio: Don't connect to audio

# YET TO JOIN



Select: "**Audio Use Computer Audio**"



From the selection choose:
"**Don't Connect to Audio**"

Once completed:
join meeting

# ALREADY JOINED



Click on: ^
Select: "**Switch audio**"
Select "**Disconnect**"

# WEB CONFERENCING GUIDELINES

- **Please <span style="color:red">mute</span> 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

  (Ideally upon joining as a guest. Alternatively, right click your name to edit it in the participants list; if unsuccessful, try signing out and rejoining as a guest.)

# 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**
  - This requires a free IEEE Account.
  - Please create one **only** if you do not already have one.

| Schedule | 7:00 | 8:00 | 9:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 |
|----------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| TSN TG   |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

  - For an active meeting denoted by a yellow bar, click on the bar: it changes to a green bar once your attendance has been recorded.

- **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.

# MEETING POLICIES

- IEEE SA Patent Policy
- IEEE SA Copyright Policy
- Participant Behavior

# 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 <u>shall</u> 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 <u>should</u> 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

08 June 2021 – Slide 1

IEEE

# 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.**

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**For more details, see *IEEE SA Standards Board Operations Manual*, clause 5.3.10 and *Antitrust and Competition Policy: What You Need to Know* at http://standards.ieee.org/develop/policies/antitrust.pdf**

# 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

# 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** STANDARDS ASSOCIATION

◈IEEE

# 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
  - http://standards.ieee.org/faqs/copyrights.html/
- IEEE SA Best Practices for IEEE Standards Development
  - http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf

- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
  - https://standards.ieee.org/about/policies/opman/sect6.html

# 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

Slide 2

# 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
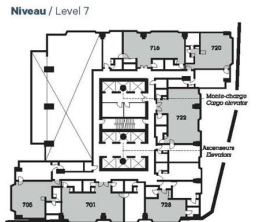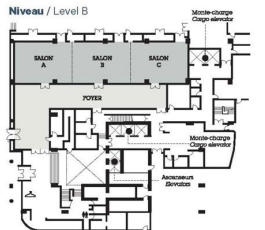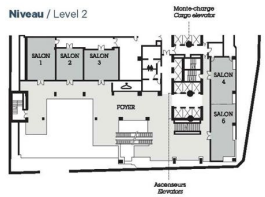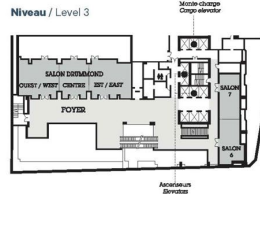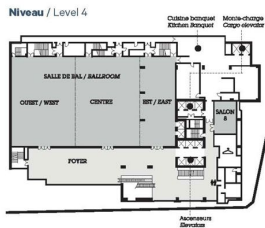
# Subgroup announcements

- 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" https://www.ieee802.org/1/files/public/templates/admin-TG-intro-0324-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" https://www.ieee802.org/1/files/public/templates/admin-prePAR-intro-0324-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
    - IEEE SA Copyright Policy (https://standards.ieee.org/ipr/index.html)

# Plenary Registration Fee

- Attendance at any meeting held during or as part of the July 2024 Plenary Session requires paying the appropriate fee
  - Early: $US 600.00 Until May 17, 2024
  - Standard: $US 850.00 After May 17, until June 28, 2024
  - Late/Onsite: $US 1100.00 After June 28, 2024
  - Student: $US 100.00

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

- Fee waivers may be granted in advance, exceptionally
  - By WG chair for remote participation
  - By EC for in-person participation

# Le Centre Sheraton Montreal



**Level 4**
- Ballroom Est (East) - EC Opening/Closing
- Ballroom Centre - Lunch
- Ballroom Ouest (West) - 802.11 Plenaries and Large Sessions
- Ballroom Foyer - Breakfast, AM, PM Breaks
- Salon 8 - 802.11 Room #5

**Level 3**
- Drummond Est (East) - 802.11 Room #3
- Drummond Ouest Centre (West Centre) - 802.11 Room #2
- Salon 7 - 802.11 Room #4

**Level 2**
- Salon 1 - 802. Shared Room (.18/.19/.24)
- Salon 2 - 802.15
- Salon 3 - 802.1
- Salon 4 5 - 802.1, 802.15/.15 Joint, 802 Yangsters

**Level A**
- Garcia Lorca - 802 EC/WG Chair Work Room
- Hemon - 802.15
- Jarry Joyce - 802.15
- Kafka - 802 EC Board Room
- Lamartine - 802.15
- Musset - 802.3, 802 ITU SC

**Level B**
- Salon AB - 802.3
- Salon C - 802. 3

*Room Assignments are subject to change*

# Food Logistics

- Daily breaks available in the Ballroom foyer – 4th floor
  - Light Breakfast: 7:15 AM - 8:30 AM
  - Morning Beverages: 9:50 AM - 10:35 AM
  - Afternoon Beverage and Snack: 3:00 PM - 4:00 PM
- Lunch is included
  - show name badge at Ballroom Centre on 4th floor
  - 12:00 PM - 1:30 PM

- IEEE 802 Social

**TimeOut MARKET MONTRÉAL**

  - Wednesday, July 17th 6:30 PM - 8:30 PM
    - 400 attendees
    - 705 rue Sainte-Catherine Ouest
    - Milestone bronze plaque.

See more [logistics info](#)

# General Information

- Meeting contributions
  - http://ieee802.org/1/filenaming.html
  - Please upload <mark>24 hours</mark> BEFORE presentation
- Minutes
  - https://1.ieee802.org/category/wg-minutes/
  - https://listserv.ieee.org/cgi-bin/wa?A1=ind21&L=STDS-802-1-MINUTES&O=A&H=0&D=0&T=1 (sorted by chair/secretary)
- Schedule for all WGs
  - All 802.1 - https://1.ieee802.org/wg-calendar/
  - All 802 - http://www.ieee802.org/802tele_calendar.html

- Website
  - 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: Mark Hantel
- Security TG Chair: Mick Seaman
  - Security TG Vice-Chair:  Karen Randall
- TSN TG Chair: János Farkas
  - TSN TG Vice-Chair: David McCall
  - TSN TG Secretary:  Johannes Specht
  - IEC/IEEE 60802 Joint Project Chair: Ludwig Winkel
  - IEC/IEEE 60802 Joint Project Secretary:  Dieter Pröll
  - IEEE P802.1DP/SAE AS6675 joint project co-Chairs:  Abdul Jabbar & János Farkas
  - IEEE P802.1DP/SAE AS6675 joint project Secretary:  <mark>Nader Zein</mark>
- 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: Mark Hantel, Roger Marks, John Messenger

# Editors – current projects

- **802.1Q editor** – Mick Seaman
  - **P802.1Qdd** – Feng Chen
  - **P802.1Qdq** – Hiroki Nakano
  - **P802.1Qdt** – Lily Lyu
  - **P802.1Qdv** – Norman Finn
  - P802.1Qdw - <mark>vacant</mark>
  - **P802.1Qdx** – Abdul Jabbar
  - **P802.1Qdy** – Martin Mittelberger
- **P802-REVc** – James Gilb
- 802.1AC editor – John Messenger
  - P802.1ACea – Marco Hernandez
- 802.1AE editor - Mick Seaman
- 802.1AS editor – Silvana Rodrigues
  - **P802.1ASdm** – Geoffrey Garner
  - **P802.1ASdn** – Johannes Specht
  - **P802.1ASds** – Silvana Rodrigues
  - **P802.1ASeb** – David McCall

- 802.1AX editor – Steve Haddock
  - P802.1AXdz - Steve Haddock
- 802.1CB
  - P802.1CB-2017/Cor1 - Christophe Mangin
- **P802.1CQ** – Roger Marks
- **P802.1DC** – Norman Finn
- **P802.1DG** – Max Turner
- **P802.1DP / SAE AS6675** – Abdul Jabbar
- **P802.1DU** – Johannes Specht
- **IEC/IEEE 60802** – Jordon Woods

# 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](#)
    - Proposed [revision](#) under discussion


- 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 5.2.1.5 & SASB OpsMan 5.1.2.3
    - Also see 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 > Your Name > Professional and Education Information > "Your employment information" Edit > Employer

# Electronic ballots (ePolls)

- 74 - P802.1Qdy SA
- 75 - P802.1Qdy CSD
- 76 - P802.1Qdq WG
- 77 - LNI 4.0 liaison

- See [motions](#)

- 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 <u>WG ballot series</u> (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](mailto: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 <u>all</u> 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 (66):

Akizuki, Katsuyuki
Alexandris, Konstantinos
Arunarthi, Venkat
Assmann, Ralf
Bao, Huajie
Belliardi, Rudy
Boiger, Christian
Bottorff, Paul
Canchi, Radhakrishna
Chen, Feng
Choudhury, Abhijit
Congdon, Paul
Dorr, Josef
Engelmann, Anna
Farkas, Janos
Fedyk, Donald
Finn, Norman

Garner, Geoffrey
Gunther, Craig
Haddock, Stephen
Hantel, Mark
Holness, Marc
Hopf, Daniel
Huh, Woojung
Itaya, Satoko
Ito, Yoshihiro
Karl, Michael
Kehrer, Stephan
Kiessling, Marcel
Lai, Gavin
Li, Yizhou
Lopes, Joao
Lyu, Yunping(Lily)
Mangin, Christophe
Mansfield, Scott

Mater, Olaf
McCall, David
Mittelberger, Martin
Nakano, Hiroki
Nomura, Takumi
Pannell, Donald R
Parsons, Glenn
Proell, Dieter
Randall, Karen
Riegel, Maximilian
Rodrigues, Silvana
Rouyer, Jessy
Sato, Atsushi
Schewe, Frank
Seaman, Michael
Seewald, Maik
Sivakolundu, Ramesh
Specht, Johannes

Stamenic, Nemanja
Stanica, Marius
Steindl, Guenter
Traore, Karim
Turner, Max
Varga, Balazs
Venkatesan, Ganesh
Weber, Karl
Wessels, Leon
Winkel, Ludwig
Woods, Jordon
Yamaura, Takahiro
Zein, Nader

# The following will <u>become</u> voting members when/if they attend this session:

Rajeev Roy

The following could <u>become</u> voting members if they email me and the Recording Secretary indicating their intention to do so and if they attend this session:

Gravel, Mark
Niess, Adriaan
Wang, Jing
Zeh, Alexander

The following will <u>lose</u> voting member status for lack of qualifying attendance, unless they attend this session:

Paul Congdon
Joao Lopes
Karl Weber

# The following could <u>lose</u> their voting membership at the end of this plenary session through lack of qualifying WG letter ballot voting :

Alexandris, Konstantinos
Bao, Huajie
Boiger, Christian
Canchi, Radhakrishna
Chen, Feng
Congdon, Paul
Dorr, Josef
Finn, Norm
Gunther, Craig

Holness, Marc
Li, Yizhou
Lopes. Joao
Specht, Johannes
Stamenic, Nemanja
Weber, Karl

# 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.

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# September 2024 interim

- Hosted by Airbus ([information](#))
  - Approved by the WG in November 2023
- Registration fee
  - 650 EUR for all attendees
    - Deadline Sept 8th to register
  - Covers: site logistics, breaks, lunch, social event
- In-Person with provisions to support mixed mode
  - Hamburg, Germany
- Joint social event with 802.3
- Date
  - September 16-20, 2024

# January 2025 interim

- Randall Consulting offer to host ([proposal](#))
- Registration Fee
  - Estimated to be between 450-650 USD
  - Covers: site logistics, breaks
- In-Person with provisions to support mixed mode
  - Asheville, NC, USA
- Date
  - January 13-17, 2025

# May 2025 interim

- Hosted by Mitsubishi Electric R&D Centre Europe (information)
  - Approved by the WG in November 2023
- Registration fee
  - In the usual range
- Room rate
  - expected to be in the 190€ range, incl. breakfast
- In-Person with provisions to support mixed mode (tbc)
  - Mama Shelter hotel, Rennes, France
- Date
  - May 19-23, 2025

# September 2025 interim

- Currently no offer available
  - If you are interested in hosting, please talk to the IEEE 802.1 Executive Secretary
- Location
  - tbd
- Date
  - tbd

# Interim sessions

- ## September 2024
  - Hosted by Airbus as in-person session with provisions to support mixed mode
    - Date: September 16-20, 2024
    - Location: Hamburg, Germany
- ## January 2024
  - Randall Consulting offer to host
    - Date: Jan 13-16, 2025
    - Location: Asheville, NC, USA
- ## May 2025
  - Hosted by Mitsubishi Electric R&D Centre Europe as in-person session with provisions to support mixed mode
    - Date: May 19-23, 2025
    - Location: Rennes, France
- ## September 2025
  - Currently no offer

# Plenary sessions

- November 10-15, 2024 – Vancouver, BC, Canada
  - Hyatt Regency Vancouver
- March 9-14, 2025 – Atlanta, GA, USA
  - Hilton Atlanta
- July 27-August 4, 2025 – Madrid, Spain
  - Melia Castilla
- November 9-14, 2025 – Bangkok, Thailand
  - Marriot Marquis Queen's Park
- March 8-13, 2026 – Vancouver, BC, Canada
  - Hyatt Regency Vancouver
- July 13-18, 2026 – Montreal, QC, Canada
  - Le Centre Sheraton Montreal
- Nov 8-13, 2026 – Bangkok, Thailand
  - Marriot Marquis Queen's Park
- Mar 14-19, 2027 – Atlanta, GA, United States
  - Hilton Atlanta
- Jul 11-16, 2027 – Gothenburg, Sweden
  - Gothia Towers

# Straw polls – opening plenary

1. If you will attend one of the three meetings on Friday, July 19 2024 ( 802 EC Closing Plenary, the 802.11 Closing Plenary or the 802.1 TSN TG meeting ) will you participate (eat/drink) :

- With breakfast? - 27
- with the AM Break? - 25
- With lunch? - 22

2. For January 2025 interim, if the meeting is held in Asheville, NC, do you plan to attend?

-Will attend in person          - 20

-Will attend remotely          - 10

- Will not attend          - 4

- Do not know yet          - 10                                        60 in the room


3. For May 2025 interim, for the meeting in Rennes, FR, do you plan to attend?

-Will attend in person          - 16

- Will attend remotely          - 8

- Will not attend          - 3

- Do not know yet          - 12                                        60 in the room

# Straw polls – closing plenary

1. Would you like to come back to this venue?

   - Yes –    No  -    Did not respond -

2. Did you go to the social?

   - Yes –    No  -    Did not respond -

3. Did you like the social?

   - Yes –    No  -    Did not respond -

# LMSC schedule
## EC/WG/TAG meetings for the plenary

# https://schedule.802world.com/

IEEE 802 Plenary Session,
Montreal, Quebec Canada
July 14-19, 2024

IEEE 802.1 Working Group ⌄

### Saturday 2024-07-13

### Sunday 2024-07-14

### Monday 2024-07-15

| 08:00-10:00 | 1 - Trk 1: TSN<br>Salon 4/5 - Level 2 |
|---|---|
| 10:30-12:30 | 1 - Opening Plenary<br>Salon 4/5 - Level 2 |
| 13:30-15:30 | 1 - Trk 1: TSN<br>Salon 4/5 - Level 2 |

Meeting logistics for all available on
https://www.ieee802.org/802tele_calendar.html

# 802 EC report – Plenary Session #136

- Fee Waivers granted

- 802 history (Wed 12:30pm)

- 802 rules update (Mon 7:30pm) ([EC-24-154](#))
  - Reiterate that attendance in-person required to gain voting rights
  - Make penalties for non-meeting fee payment stronger
  - Update rules based on new baseline

- Venues ([EC-24-124](#))
  - July 2024 – 975 attendees – with less than half in-person
  - Finalizing contracts for venues into 2027
  - Likely to return to Montreal because of low in-person attendance

- Treasurer ([EC-24-164](#))
  - Spending limited to "similar costs of IEEE standards development meetings."
  - Tax remittance is now tracked
  - Reserves level review underway (currently at $1.7M)

# IEEE 802 / ITU-T SG15 workshop

- 9th joint workshop since [2007](#)
  - 13 July 2024, Le Centre Sheraton Montreal, Canada
- Workshop
  - [Summary and presentations](#)
  - Coordinators:  Jessy Rouyer & Tom Huber

# Workshop - high level agenda

- 8:30 opening remarks
  - TSB Director, SA President, 802 Chair, SG15 Chair

- Topics arranged in four sessions:
  - Evolving to Beyond 1T Transmission
    - Organizers: P802.3dj TF Chair John D'Ambrosia,
      ITU-T Q11/15 Rapporteur Steve Gorshe
  - Access and In-Premises Networks
    - Organizers: P802.3dg TF Chair George Zimmerman,
      ITU-T Q2/15 Frank Effenberger
  - Synchronization and TSN
    - Organizers: 802.1 TSN TG Chair János Farkas,
      ITU-T Q13/15 Rapporteur Stefano Ruffini
  - YANG and Data Modelling
    - Organizer: 802 YANGsters Chair and ITU-T Q14/15 Rapporteur Scott Mansfield

- 17:30 – 18:00 wrap-up, takeaways, closing

# IEEE SA Staff supporting IEEE 802

- Jodi Haasz
  - IEEE 802 lead, supports dot01, dot03 and dot18 groups
  - Operational Program Management Senior Manager
- Christy Bahn
  - supports dot11, dot15, dot19 and, dot24 groups
  - Operational Program Management Senior Program Manager
- Ian Barbour
  - 802 editorial support
  - Content Editor, Content Production and Management
- Catherine Berger
  - 802 editorial support
  - Senior Program & Special Project Manager

# IEEE 802 electronic media

- Only during the IEEE 802 Plenary, every IEEE 802 plenary registered participant will receive an email with credentials to access the IEEE 802 eMedia
  - [Instructions are available](#)
  - Download after 10am Monday
  - In case of any issues, please contact Jodi Haasz (j.haasz@ieee.org)

# IEEE 802 program status

- IEEE 802 Active PAR Report - 5 July - https://mentor.ieee.org/802-ec/dcn/24/ec-24-0140-00-00SA-ieee-802-active-par-report-5-july-2024.pdf

- IEEE 802 Active Standard Report - 5 July - https://mentor.ieee.org/802-ec/dcn/24/ec-24-0141-00-00SA-ieee-802-active-standards-report-5-july-2024.pdf

- IEEE 802 Publication Report - July 2024 - https://mentor.ieee.org/802-ec/dcn/24/ec-24-0142-00-00SA-ieee-802-publication-report-july-2024.pdf

- IEEE 802 EC Solutions Report - July 2024 - https://mentor.ieee.org/802-ec/dcn/24/ec-24-0143-00-00SA-ieee-802-ec-solutions-report-july-2024.pdf

# Notable

- May / June 2024 publication
  - 802.1Qdj-2024 & 802.1Qdx-2024
- Expiring PARs – Dec 2024
  - P802.1ASdm, P802.1ASdn, P802.1DC, P802.1DP, P802.1CQ
- Expiring standards
  - 2024 – 802
  - 2026 – 802.1AB, 802.1AC
  - 2027 – 802.1CB
- myProject and DVL updates

# 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

- 802.1DD -Standard - Resource Allocation Protocol, PAR and CSD
- 802.1ASed - Amendment - Fault-Tolerant Timing with Time Integrity PAR and CSD
- 802.1DP - Standard - Time-Sensitive Networking for Aerospace Onboard Ethernet Communications, PAR Extension
- 802.1AB-2016-rev - Standard - Station and MAC Connectivity Discovery, PAR
- 802.1AC-2016-rev - Standard - MAC Service Definition, PAR

Normal session process
- Pre-circulation of PARs
  - June 15
- *Maintenance TG prepares 802.1 comments*
  - July 16 at 6pm ET
- 802.1 response to other WG comments
  - July 17 at 6pm ET
- EC approval
  - July 19

# Other 802 PARs this session

- 802.11-2024 - Standard - Wireless LANs, PAR Revision
- 802.11bf - Amendment - Enhancements for Wireless Local Area Network (WLAN) Sensing, PAR Extension
- 802.16t - Amendment - Fixed and Mobile Wireless Access in Narrowband Channels, PAR Extension
- 802.15.4ae - Amendment - Ascon cryptographic algorithms, PAR and CSD
  - 802.1 comments
- 802.15.9a - Amendment - Ephemeral Diffie-Hellman Over COSE (EDHOC) KMP, PAR and CSD
  - 802.1 comments

# Tutorials

- None

# Liaison Resources

- IEEE 802.1 Liaison Page
  - https://1.ieee802.org/liaisons/
  - Liaison Table: https://1.ieee802.org/liaisons/liaisontable/
  - Liaison templates: https://1.ieee802.org/templates/
    - *NEW: added footnote to the outgoing liaison statement template. Updated version is available here: https://www.ieee802.org/1/files/private/templates/admin-liaisontemplate-8021statement-0124.docx
- IEEE 802 SA Liaison List for IEEE 802.1
  - https://ieee-sa.imeetcentral.com/802liaisondb/FrontPage
  - IEEE SA requests review of IEEE 802 Liaison List yearly
- 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 **IEC TC57/WG15** – Liaison letter to ask for collaboration on MACsec profiles [Security]
  - 802.1 is working with IEEE SA to establish Category C liaison relationship
- Liaison [LS156](#) from **ITU-T SG13**: LS on work items related to deterministic networking in ITU-T SG13 [TSN]
- [Liaison](#) from **AVNU Alliance**: RAP/MSRP backwards compatibility requirements in the P802.1DD PAR [TSN]
- Liaison [LS15](#) from **ITU-T JCA**: LS on Invitation to update the information in the IMT2020 roadmap [Maintenance]
- Liaison [LS135](#) from **ITU-T SG15**: LS on OTNT Standardization Work Plan Issue 33 [Maintenance]
- Liaison [LS143](#) from **ITU-T SG15**: LS on IM/DM modelling coordination [YANGsters]
- Liaison [LS144](#) from **ITU-T SG15**: LS on Consented Recs [YANGsters, TSN]
- [Liaison](#) from **BBF** on Follow up on Management at Scale Projects [YANGsters]
- Received comments from **SC6** on IEEE Std 802f (CIB) and IEEE Std 802.1Q-2022 (FDIS)

# Status of previous Outgoing Liaisons

- Liaisons sent since March 2024 Plenary:
  - Sent liaison response to ITU-T JCA on IMT2020 Roadmap
  - Sent liaison response to SG15-LS15 on OTNT Standardization Work Plan Issue 33
  - Sent liaison response to IEEE 1588 on the P802.1ASeb draft PAR
  - Sent liaison response to Broadband Forum on New Project for Addressing ONU Management at Scale
  - Sent comment responses to SC6 on IEEE Std 802.1Qcj and IEEE Std 802.1Qcw ballots
  - Sent IEEE P802-REVc to SC6 for information (November 2023 motion)
- Approved liaisons – still to be completed:
  - Send IEEE 802.1Qdj and IEEE 802.1Qdx to SC6 for adoption when published (March 2024 motion) – held until after the FDIS ballot of IEEE Std 802.1Q-2022 completed.

# IETF coordination

- ## LMSC IETF SC [EC-24-145] – no meeting this plenary

- ## IAB/IESG/IEEE 802 coordination – June 13
  - Item 25. Layer 2/Layer 3 Interaction for Time-Sensitive Traffic
    - TSN and DetNet well coordinated with joint participation
    - DETNET published RFC 9566, 9550, 9551, 9546
    - DETNET raw architecture, CP framework to WG last call; taxonomy adopted
  - Item 27. Development of YANG models in the IEEE 802
    - No progress on common string for MAC addresses.  802.1 maintenance item #312
  - Item 33. Capability Discovery
    - IETF draft on L3DL will be included in LSVR recharter
  - Item 35. MAC Address Device Identification for Network and Application Services (MADINAS)
    - Randomized and Changing MAC Address – IESG
    - Randomized and Changing MAC Address Use cases

# JTC1/SC6 coordination

- JTC1 SC status ([EC-24-159](EC-24-159))
  - All current SC6 ballots have passed
  - 802.11 no longer being submitted due to IPR issues

# ITU Coordination

- Review of higher level ITU activities relevant to IEEE 802 (EC-24-161)
  - ITU Council
  - ITU WSIS
  - ITU-T TSAG
- ITU-T SG15 new work item agreed for adoption of 802.3 and its amendments in a new Rec G.eth

# Meetings with other 802 WGs

- [802.1 & 802.15](#) (Tues 18:15 – 19:15)
  - Review 802.1ACea amendment PAR

# Promotion

- IEEE SA marketing collateral
  - [TSN automotive](), [TSN industrial]()                          - [TSN logo]()
  - TSN aerospace
- Press releases, blog posts, articles
  - YANG blog post –  TSN, EtherType & New CBS, MSTP & LAG
- Tutorial
  - TSN eLearning course – under development
  - [TSN webinars]()
    - 802.1 – Sept 16, 2022 , TSN toolset – Dec 2, 2022, 802.1AS – Feb 24, 2023, AVB – Jun 9, 2023, Fronthaul - Sept 8, 2023, 60802 – Apr 6, 2023 , Automotive – Oct 26, 2023
    - Next:  Aerospace – Sept 12, 2024
  - Computer Society webinars
- Industry Events
  - [TSN/A]() – Oct 1-2, 2024
  - Ethernet/IP (Automotive) day –  Oct 16-17, 2024

# 802.1 Public Visibility Messaging

- **Coordinating with IEEE 802 Public Visibility Standing Committee**
  - Chair: Tuncer Baykas
  - 802.1 coordinator: ?
  - LinkedIn promotion – >4k followers
  - IEEE SA web feature for IEEE 802
- **Maintaining web page**
  - https://1.ieee802.org/visibility/
  - tracking topics and status
  - Technical webinars with Computer Society
  - new topics welcome

# IEEE Awards

**Nominate a colleague!**

- Emerging Technology Award - for the initiation, advancement or progression of a new technology through the IEEE SA open consensus process
- International Award - for extraordinary contribution to establishing the IEEE SA as a world-class leader in standardization
- Lifetime Achievement Award - for significant technical contributions to a standards committee for their IEEE field of interest
- Standards Committee Award - for outstanding contributions to Corporate Standards Development
- Standards Medallion - for major contribution to the development of standards
- Corporate Award - for the provision of outstanding leadership and contribution to the IEEE SA.
  - IEEE SA nomination deadline 31 July

- Computer Society Hans Karlsson Standards Award - In recognition of outstanding skills and dedication to diplomacy, team facilitation and joint achievement, in the development or promotion of standards in the computer industry
  - Nomination deadline 1 October
- IEEE Charles Proteus Steinmetz award - For exceptional contributions to the development and/or advancement of standards
  - Nomination deadline 15 January
- IEEE Alexander Graham Bell Award - For exceptional contributions to communications and network sciences and engineering.
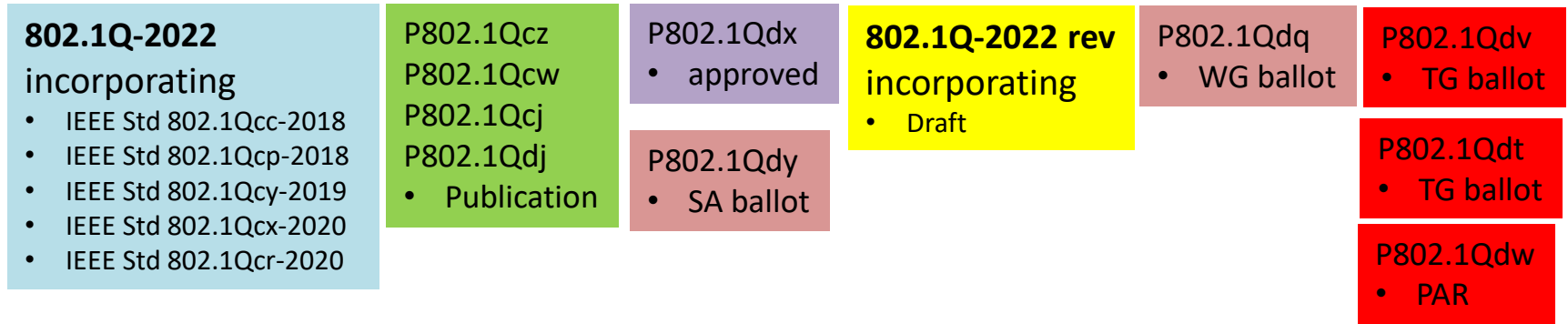  - Nomination deadline 15 January

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# WG Chair Awards

*Offered to leadership, editors and significant contributors after publication*
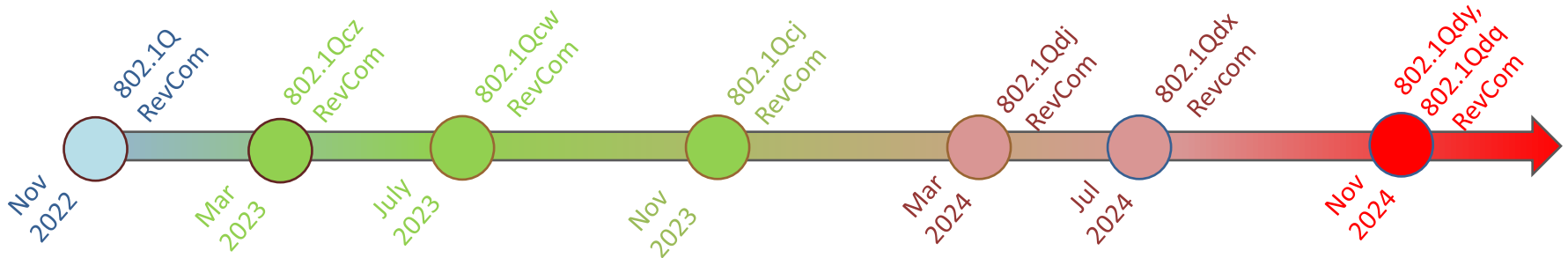
Update at closing plenary…

# Sanity check – current workload

| Project | Short Title | Last Motion | Current Stage | Draft# | Next action | PAR ends |
|---------|-------------|-------------|---------------|--------|-------------|----------|
| 802.1CQ | Multicast and Local Address Protocol | PAR extension | TG Ballot | D0.8 | PAR admin withdraw? | Dec '24 |
| 60802 (DA) | TSN Profile for Industrial Automation | SA ballot conditional | WG Ballot | D2.4 | SA ballot | Dec '25 |
| 802.1DC | QOS provision by network systems | SA Ballot | SA Ballot | D3.2 | RevCom conditional | Dec '24 |
| 802.1Qdd | Resource Allocation Protocol | PAR extension | TG Ballot | D0.9 | PAR withdraw | Dec '25 |
| 802.1DG | TSN Profile for Automotive Networks | WG Ballot | WG ballot | D3.0 | SA ballot | Dec '25 |
| 802.1Qdj | TSN Configuration Enhancements | RevCom | Published - May 31 | D2.2 | | Dec '25 |
| 802.1ASdm | Hot standby | SA Ballot conditional | SA Ballot | D2.0 | RevCom conditional | Dec '24 |
| 802.1ASdn | Time Synch YANG | SA Ballot conditional | SA Ballot | D2.0 | RevCom conditional | Dec '24 |
| 802.1DP | TSN Profile for Aerospace | WG ballot | WG ballot | D2.0 | PAR extension | Dec '24 |
| 802.1Qdq | Tspec | WG ballot | TG Ballot | D0.4 | WG ballot | Dec '25 |
| 802.1ASdr | Inclusive Language | RevCom | Published - Mar 6 | D1.2 | | Dec '25 |
| 802.1ASds | Half-duplex support | TG Ballot | TG Ballot | D0.2 | WG ballot | Dec '26 |
| 802.1Qdt | PFC MACsec | TG Ballot | Editor's draft | D0.2 | TG Ballot | Dec '26 |
| 802.1DU | Cut-through forwarding | TG Ballot | TG Ballot | D0.2 | TG Ballot | Dec '27 |
| 802.1Qdv | Cyclic Queueing and Forwarding | TG Ballot | TG Ballot | D0.4 | TG Ballot | Dec '26 |
| 802-rev | O&A | SA Ballot conditional | WG Ballot | D1.2 | SA ballot | Dec '26 |
| 802.1Qdw | Source Flow Control | Nescom | PAR approved | | Editor's draft | Dec '26 |
| 802.1CS/cor1 | LRP corrigendum | RevCom | Published - Apr 12 | D2.1 | | Dec '26 |
| 802.1Qdx | YANG for CBS | RevCom Conditional | Approved - June 6 | D2.1 | Publication | Dec '27 |
| 802.1Q-2022 rev | Bridges and Bridged Networks | TG Ballot | PAR approved | | Editor's draft | Dec '27 |
| 802.1AS-2020 rev | Timing and Synchronization | TG Ballot | Editor's draft | D1.0 | TG Ballot | Dec '27 |
| 802.1Qdy | YANG for MSTP | SA ballot | SA ballot | D2.0 | RevCom conditional | Dec '27 |
| 802.1AXdz | YANG for LAG | TG Ballot | PAR approved | D0.0 | TG Ballot | Dec '28 |
| 802.1ACea | 802.15.16 convergence | TG Ballot | Editor's draft | D1.0 | TG Ballot | Dec '28 |
| 802.1CB/cor1 | FRER corrigendum | PAR Development | PAR approved | | TG Ballot | Dec '28 |
| 802.1ASeb | Announce | NesCom | PAR approved | | TG Ballot | Dec ' 28 |
| 802.1ASed | Fault tolerant timing | PAR Development | PAR Development | | NesCom | |
| 802.1DD | Resource Allocation Protocol | PAR Development | PAR Development | | NesCom | |
| 802.1AB-2016 rev | LLDP | | PAR Development | | NesCom | |
| 802.1AC-2016 rev | MAC Service | | PAR Development | | NesCom | |

# 802.1Q revisions and amendments

**802.1Q-2022**
incorporating
- IEEE Std 802.1Qcc-2018
- IEEE Std 802.1Qcp-2018
- IEEE Std 802.1Qcy-2019
- IEEE Std 802.1Qcx-2020
- IEEE Std 802.1Qcr-2020

P802.1Qcz
P802.1Qcw
P802.1Qcj
P802.1Qdj
- Publication

P802.1Qdx
- approved

P802.1Qdy
- SA ballot

**802.1Q-2022 rev**
incorporating
- Draft

P802.1Qdq
- WG ballot

P802.1Qdv
- TG ballot

P802.1Qdt
- TG ballot

P802.1Qdw
- PAR

Content locked on Sept 21, 2025
Amendments blocked until approval



802.1Q RevCom — Nov 2022

802.1Qcz RevCom — Mar 2023

802.1Qcw RevCom — July 2023

802.1Qcj RevCom — Nov 2023

802.1Qdj RevCom — Mar 2024

802.1Qdx RevCom — Jul 2024

802.1Qdy, 802.1Qdq RevCom — Nov 2024

# 802.1AS revision and amendments

- ## 802.1AS-2020
  - 802.1ASdr-2024
  - P802.1ASdn – SA ballot
  - P802.1ASdm – SA ballot

Content locked after approval of 3$^{rd}$ amendment
Further amendments blocked until revision approval

- ## 802.1AS-2020 rev
  - P802.1ASds – TG ballot
  - P802.1ASeb – PAR approved
  - P802.1ASed – PAR deve

# 802.1 meeting schedule

| | Saturday Jul 13 | ET Start | ET End | Monday Jul 15 | | Tuesday Jul 16 | Wednesday Jul 17 | | Thursday Jul 18 | | Friday Jul 19 | PT Start | CEST Start | JST start |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 08:00 | 08:30 | TSN | | Maintenance | TSN | P802-REVc | TSN | Nendica | TSN | 05:00 | 14:00 | 21:00 |
| | Opening Remarks | 08:30 | 09:00 | | | | | | | | | 05:30 | 14:30 | 21:30 |
| | Optical PHYs Addressing 800 Gb/s and Beyond | 09:00 | 09:30 | | | | | | | | | 06:00 | 15:00 | 22:00 |
| | | 09:30 | 10:00 | | | | | | | | | 06:30 | 15:30 | 22:30 |
| | | 10:00 | 10:30 | | | | | | | | | 07:00 | 16:00 | 23:00 |
| | | 10:30 | 11:00 | Opening Plenary | | TSN | TSN incl. P802.1DG | Security | TSN | | TSN | 07:30 | 16:30 | 23:30 |
| | | 11:00 | 11:30 | | | | | | | | | 08:00 | 17:00 | 00:00 |
| | Access and In-Premises Networks | 11:30 | 12:00 | | | | | | | | | 08:30 | 17:30 | 00:30 |
| | | 12:00 | 12:30 | | | | | | | | | 09:00 | 18:00 | 01:00 |
| | | 12:30 | 13:00 | | | | | | | | | 09:30 | 18:30 | 01:30 |
| | | 13:00 | 13:30 | | | | | | | | | 10:00 | 19:00 | 02:00 |
| | | 13:30 | 14:00 | TSN | P802-REVc | TSN P802.1DP | TSN | Security | Closing Plenary | | | 10:30 | 19:30 | 02:30 |
| | Synchronization and TSN | 14:00 | 14:30 | | | | | | | | | 11:00 | 20:00 | 03:00 |
| | | 14:30 | 15:00 | | | | | | | | | 11:30 | 20:30 | 03:30 |
| | | 15:00 | 15:30 | | | | | | | | | 12:00 | 21:00 | 04:00 |
| | | 15:30 | 16:00 | | | | | | | | | 12:30 | 21:30 | 04:30 |
| | YANG and Data Modelling | 16:00 | 16:30 | TSN | | YANGsters | TSN | Security | Closing Plenary | | | 13:00 | 22:00 | 05:00 |
| | | 16:30 | 17:00 | | | | | | | | | 13:30 | 22:30 | 05:30 |
| | | 17:00 | 17:30 | | | | | | | | | 14:00 | 23:00 | 06:00 |
| | Takeaways | 17:30 | 18:00 | | | | | | | | | 14:30 | 23:30 | 06:30 |
| | | 18:00 | 18:30 | | | 802.1/802.15 Joint* | | | | | | 15:00 | 00:00 | 07:00 |
| | | 18:30 | 19:00 | | | | Social Event | | | | | 15:30 | 00:30 | 07:30 |
| | | 19:00 | 19:30 | | | | | | | | | 16:00 | 01:00 | 08:00 |
| | | 19:30 | 20:00 | | | | | | | | | 16:30 | 01:30 | 08:30 |
| | | 20:00 | 20:30 | | | | | | | | | 17:00 | 02:00 | 09:00 |
| | | 20:30 | 21:00 | | | | | | | | | 17:30 | 02:30 | 09:30 |
| | | 21:00 | 21:30 | | | * Starts 18:15 | | | | | | 18:00 | 03:00 | 10:00 |

Ninth Joint IEEE 802 / ITU-T SG15 Workshop

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# 802.1 Leadership meetings

- Every Thursday – 11:00 ET
  - Since February 2020 to discuss management of work and plan future sessions
- Additional leadership
  - 12:30 ET - Tuesday
  - Prepare PAR responses, EC consent agenda for Friday EC meeting
- Editors' meetings
  - 18:00 ET - Monday
  - 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 July 2023 plenary session page
    - Based on your IEEE logon email

**SBS DirectVoteLive™**

Practice Voting

# Subgroup agendas

- Maintenance TG
  - Including P802REVc
  - Also joint IEEE 802.1 /802.15
- Security TG
- TSN TG
- Nendica – Network Enhancements for the Next Decade Industry Connections Activity
- YANGsters

# Maintenance TG

**Agenda**

- [https://1.ieee802.org/july-2024-plenary-session-maintenance-tg-agenda/](https://1.ieee802.org/july-2024-plenary-session-maintenance-tg-agenda/)

**Monday 15 July 2024, 13:30 – 15:30**
- P802-REVc comment resolution

**Tuesday 16 July 2024, 8:00 – 10:00**
- Meeting introduction
- Approval of agenda
- Maintenance Project Status
  - Editor updates on P802.1CB-2017/Cor 1 and P802.1ACea
- 802 PARs Under Consideration
- Liaison Activity – Karen Randall
- PAR Review
- Review of Maintenance Motions
- Review of Outstanding Maintenance Items and next steps
- Next Sessions

**Wednesday 17 July 2024, 8:00 – 10:00**
- P802-REVc comment resolution

# Agenda – Security

1.   Meeting introduction

2.   Approval of agenda

3.   P802.1Qdt Priority-based Flow Control Enhancements

     Draft development

     ➢ **Wednesday 17 July 10:30-12:30, 13.30-15.30 ET**

4.   Any Other Business (A.O.B)

     ➢ **Wednesday 17 July 16:30-18:00 ET**

5.   Review potential Security TG items for closing plenary

6.   Future meetings/teleconferences

# IEEE 802.1 TSN TG Agenda
## IEEE 802 Plenary, July 15-19, 2024

| ET Start | ET End | Monday Jul 15 | Tuesday Jul 16 | Wednesday Jul 17 | Thursday Jul 18 | Friday Jul 19 | PT Start | CEST Start | JST Start |
|---|---|---|---|---|---|---|---|---|---|
| 8:00 | 8:30 | **TSN** P802.1ASdn, P802.1ASdm, P802.1ASds, P802.1DG | **Maintenance TG** | **TSN** P802/1Qdy, PARs | **TSN** 802.1AS performance, P802.1Qdy, P802.1Qdq | **TSN** TSN end-to-end,, P802.1ASdm,, P802.1Qdy, P802.1Qdq, P802.1DU | 5:00 | 14:00 | 22:00 |
| 8:30 | 9:00 | | | | | | 5:30 | 14:30 | 22:30 |
| 9:00 | 9:30 | | | | | | 6:00 | 15:00 | 23:00 |
| 9:30 | 10:00 | | | | | | 6:30 | 15:30 | 23:30 |
| 10:00 | 10:30 | | | | | | 7:00 | 16:00 | 0:00 |
| 10:30 | 11:00 | **Opening plenary** | **TSN** new CB amendment, P802.1DC, P802.1ASdn, P802.1ASed contrib, P802.1Qdy | **TSN** **P802.1DG**, outgoing liaisons, P802.1Qdq | **TSN** P802.1ASdm, P802.1Qdy, P802.1Qdw, P802.1DU | **TSN** P802.1Qdy,, P802.1Qdq, P802.1DU | 7:30 | 16:30 | 0:30 |
| 11:00 | 11:30 | | | | | | 8:00 | 17:00 | 1:00 |
| 11:30 | 12:00 | | | | | | 8:30 | 17:30 | 1:30 |
| 12:00 | 12:30 | | | | | | 9:00 | 18:00 | 2:00 |
| 12:30 | 13:00 | | | | | | 9:30 | 18:30 | 2:30 |
| 13:00 | 13:30 | | | | | | 10:00 | 19:00 | 3:00 |
| 13:30 | 14:00 | **TSN** P802.1Qdy | **TSN - P802.1DP/AS6675** Comment resolution | **TSN** P802.1Qdq, P802.1DU | **Closing plenary** | | 10:30 | 19:30 | 3:30 |
| 14:00 | 14:30 | | | | | | 11:00 | 20:00 | 4:00 |
| 14:30 | 15:00 | | | | | | 11:30 | 20:30 | 4:30 |
| 15:00 | 15:30 | | | | | | 12:00 | 21:00 | 5:00 |
| 15:30 | 16:00 | | | | | | 12:30 | 21:30 | 5:30 |
| 16:00 | 16:30 | **TSN** liaisons, motions, P802.1DC, P802.1Qdy | **YANGsters** | **TSN** P802.1Qdy,, P802.1Qdq P802.1DU | **Closing plenary** | | 13:00 | 22:00 | 6:00 |
| 16:30 | 17:00 | | | | | | 13:30 | 22:30 | 6:30 |
| 17:00 | 17:30 | | | | | | 14:00 | 23:00 | 7:00 |
| 17:30 | 18:00 | | | | | | 14:30 | 23:30 | 7:30 |

- TSN TG agenda details are available at: https://1.ieee802.org/2024-07-plenary-tsn-agenda/
- Note that the TSN TG agenda may change, e.g., depending on progress

# Nendica Meetings since March Plenary

- Meeting alternate Thursdays (09:00-11:00 ET)
- Authorized to add ad hocs if necessary
- 7 meetings since March 2024 802 Plenary

| Date | Attendance |
|------|-----------|
| 2024-03-21 | 11 |
| 2024-04-11 | 12 |
| 2024-04-18 | 15 |
| 2024-05-02 | 15 |
| 2024-05-16 | 20 |
| 2024-05-30 | 10 |
| 2024-06-27 | 12 |
| | |

# Nendica Activity since March Plenary

- Study Item: *AI Computing Network (AICN)*

  - *https://1.ieee802.org/nendica-aicn/*

  - *Initiated 2024-03-14*

  - *4 contribution topics presented (some multiple times)*

  - *Draft report at Rev. 2*

- Vetting topics

  - *Informative Annex Project Proposal for IEEE Std 802.1CB Sequence Recovery Function Configuration*

  - Lisa Maile

  - It was agreed (informally, none dissenting) that "*Nendica agrees that the vetting of this proposal is complete and asserts that it is ready to be presented to TSN.*"

    - 2024-05-02

# Nendica Agenda 2024-07-18

- ## Thursday 8-10 AM

- ## Drummond Ouest Centre - Level 3

- [https://1.ieee802.org/802-nendica-agenda-2024-07-18](https://1.ieee802.org/802-nendica-agenda-2024-07-18)

- ## AICN Study Item

  - *Update to draft report*

  - *2 contributions*

  - *Discussion on initiating Work Item*

# Agenda Topics for YANGsters

- IEEE 802.3 YANG Update
- Information related to YANG at scale
- IETF YANG Status
- Liaisons

- [Meeting Agenda](#)
- [YANGsters](#)
- [YANGsters FAQ](#)

# YANG Status (16 July 2024)

| ShortName | Name | github status | Ballot | Draft Ver | YANG Status | Notes |
|-----------|------|---------------|--------|-----------|-------------|-------|
| 802.1AS-2020 rev | Timing and Synchronization | not created | Editor | None | No YANG | |
| 802.1ASdm | Hot Standby | current | SA | D2.5 | checked | |
| 802.1ASdn | Timing and Synchronization for Time-Sensitive Applications — Amendment: YANG Data Model | current | SA | D2.2 | checked | |
| 802.1ASds | Support for the IEEE Std 802.3 Clause 4 Media Access Control (MAC) operating in half-duplex | current | TG | D0.5 | checked | |
| 802.1AXdz | YANG for LAG | current | Editor | D0.0 | checked | |
| 802.1ASed | Fault-Tolerant Timing with Time Integrity | not created | Editor | None | No YANG | |
| 802.1CS-2020/Cor1 | Link-local Registration Protocol (LRP) | needs moved | WG | D2.1 | checked | Published |
| 802.1DC | Quality of Service Provision by Network Systems | validation fails | SA | D3.3 | pyang fails | Qdx D2.1 changed csba, validation now fails |
| 802.1DG | TSN Profile for Automotive In-Vehicle Ethernet Communications | not created | TG | D3.2 | No YANG | |
| 802.1DP | TSN for Aerospace Onboard Ethernet Communications | not created | WG | D2.0 | No YANG | |
| 802.1DU | Cut-thorough forwarding | not created | Editor | D0.3 | No YANG | |
| 802.1Q-2022rev | Q-rev | current | Editor | D1.3 | checked | |
| 802.1Qdd | Resource Allocation Protocol | current | TG | D0.9 | checked | |
| 802.1Qdj | Amendment: Configuration Enhancements for Time-Sensitive Networking | needs moved | SA | D2.2 | checked | Published |
| 802.1Qdt | Priority-based Flow Control Enhancements | not created | TG | D0.3 | No YANG | |
| 802.1Qdv | Enhancements to Cyclic Queuing and Forwarding | not created | Editor | D0.4 | No YANG | |
| 802.1Qdw | Source Flow Control | not created | Editor | None | No YANG | |
| 802.1Qdx | YANG for CBS | current | SA | D2.1 | checked | |
| 802.1Qdy | YANG for MSTP | current | WG | D2.0 | checked | |
| 802-REVc | 802 Revision C | current | WG | D1.2 | checked | Pending Publication |
| IEC/IEEE 60802 | Industrial Automation | validation fails | WG | D2.4 | pyang fails | 1588 module name issue and Qdj has changed |
| 802 | Metropolitan Area Network | current | SA | D2.0 | checked | |

# Nearly Published and Published Work

- 802.1CS/cor1 -- YANG needs to move
- 802.1DC -- Need to resolve naming issue with Qdx
- 802.1Qdj
- 802.1ASdm
- 802.1ASdn

# Any Other Business ?