



# Opening Plenary March 2024

Glenn Parsons – IEEE 802.1 WG Chair  
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# 802.1 plenary agenda

## Monday, March 11<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, March 15<sup>th</sup> closing

- [Copyright Policy](#)
- [Call for Patents](#)
- [Participant behavior](#)
- Membership status
- WG elections
- 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.

# MARCH 2024 MIXED MODE SESSION

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## **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

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## 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 **present via web conferencing**

### If you are in-person, you may join web conferencing to

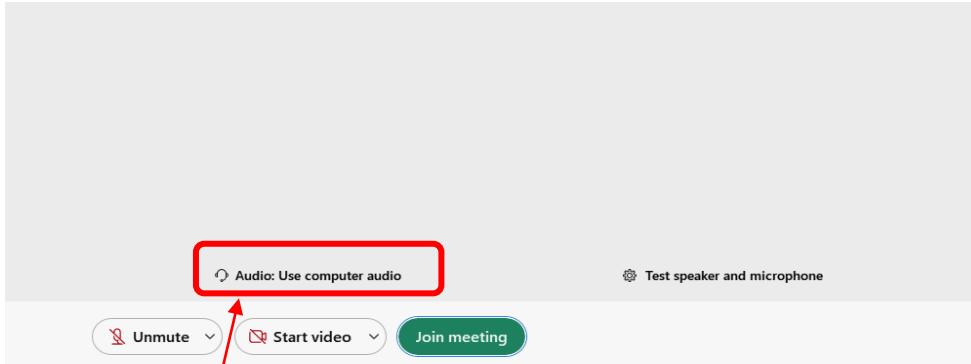
- Present
- See the screen
- Chat (**not** part of the meeting)

### If you are in-person and join web conferencing

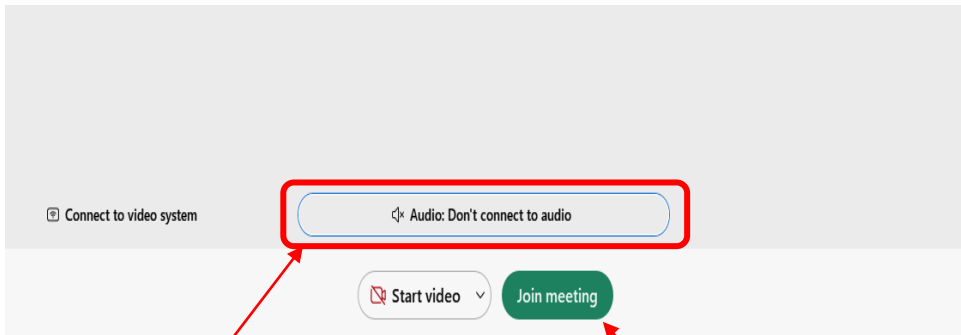
- **DO NOT connect to the audio**
- After you **accept** the IEEE SA terms
- Before you **click join meeting**

🔊 Audio: Don't connect to audio

# YET TO JOIN



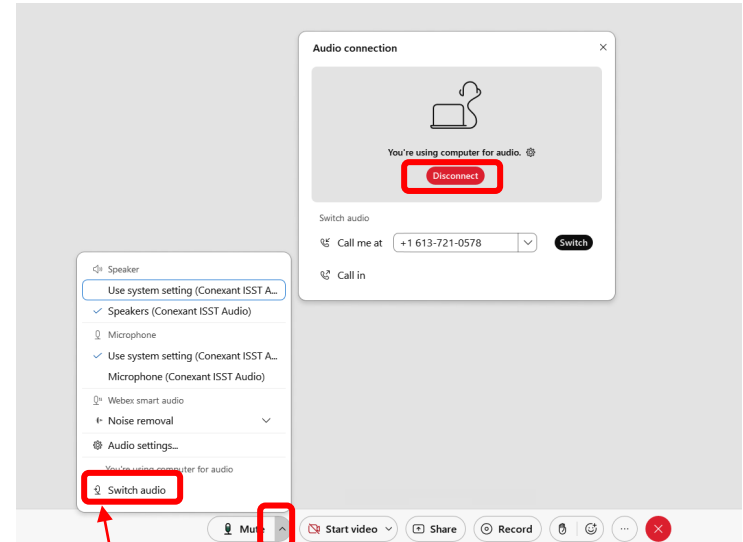
Select: **“Audio Use Computer Audio”**



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

Once completed:  
join meeting

# ALREADY JOINED



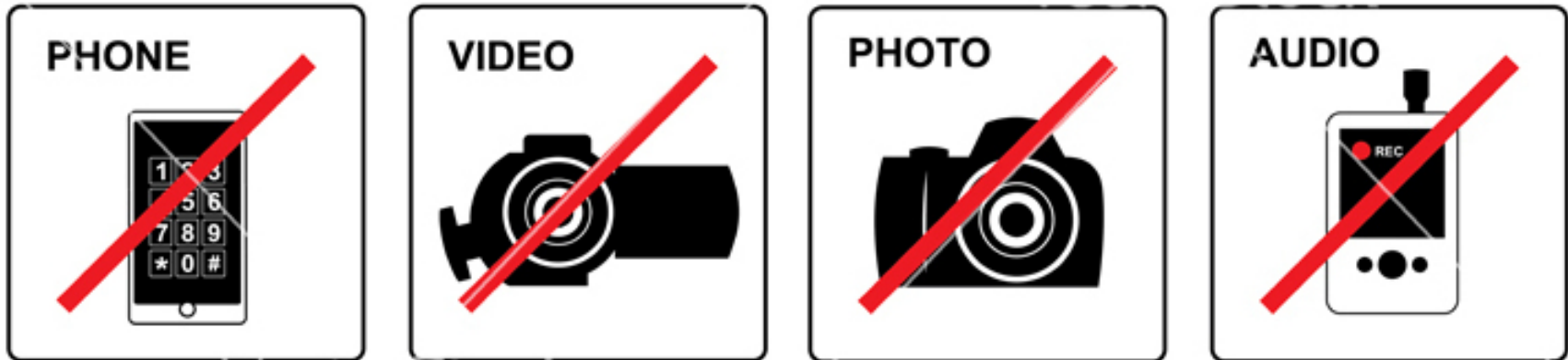
Click on: ^  
Select: **“Switch audio”**  
Select **“Disconnect”**

# **WEB CONFERENCING GUIDELINES**

- Please **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

(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

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- IEEE 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 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](mailto: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](mailto: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 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](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

# 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 March 2024 Plenary Session requires paying the appropriate fee
  - Early Registration Fee - \$US 800.00 Until January 12, 2024
  - Standard Registration Fee - \$US 1150.00 Until March 1, 2024
  - Late/Onsite Registration Fee - \$US 1500.00 After March 1, 2024
  - Student Registration Fee - \$US 100.00 Until March 17, 2024
- 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

# Food Logistics

- Daily breaks available in the Centennial foyer – 3<sup>rd</sup> 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 Centennial D on 3<sup>rd</sup> floor
  - 12:00 PM - 1:15 PM

See more [logistics info](#)



- IEEE 802 Milestone preview
  - Wednesday, March 13<sup>th</sup>  
6:30 PM - 8:30 PM
    - Centennial D ballroom
    - Buffet dinner followed by special guest speeches and a preview of the IEEE 802 Milestone bronze plaque.



# General Information

- Meeting contributions
  - <http://ieee802.org/1/filenaming.html>
  - Please upload **24 hours** 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](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: Craig Gunther
  - 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: vacant
- 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
  - [P802.1Qdj](#) – Stephan Kehrer
  - [P802.1Qdq](#) – Hiroki Nakano
  - [P802.1Qdt](#) – Lily Lyu
  - [P802.1Qdv](#) – Norman Finn
  - P802.1Qdw - **vacant**
  - [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 – Geoffrey Garner
  - [P802.1ASdm](#) – Geoffrey Garner
  - [P802.1ASdn](#) – Johannes Specht
  - [P802.1ASdr](#) – Silvana Rodrigues
  - [P802.1ASds](#) – Silvana Rodrigues
- 802.1AX editor – Steve Haddock
  - P802.1AXdz - Steve Haddock
- [P802.1CQ](#) – Roger Marks
- [P802.1CS](#) – Norman Finn
- [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)

- None
  - 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>

# 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](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 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 (70):

|                             |                    |                      |                     |
|-----------------------------|--------------------|----------------------|---------------------|
| Akizuki, Katsuyuki          | Finn, Norman       | Mangin, Christophe   | Seaman, Michael     |
| Alexandris,<br>Konstantinos | Garner, Geoffrey   | Mansfield, Scott     | Seewald, Maik       |
| Arunarathi, Venkat          | Gunther, Craig     | Mater, Olaf          | Sivakolundu, Ramesh |
| Assmann, Ralf               | Gutierrez, Marina  | McCall, David        | Specht, Johannes    |
| Bao, Huajie                 | Haddock, Stephen   | Mittelberger, Martin | Stamenic, Nemanja   |
| Belliardi, Rudy             | Hantel, Mark       | Nakano, Hiroki       | Stanica, Marius     |
| Boiger, Christian           | Holness, Marc      | Nomura, Takumi       | Steindl, Guenter    |
| Bottorff, Paul              | Hopf, Daniel       | Obradovic, Dragan    | Traore, Karim       |
| Canchi, Radhakrishna        | Huh, Woojung       | Pannell, Donald R    | Turner, Max         |
| Chen, Feng                  | Itaya, Satoko      | Parsons, Glenn       | Varga, Balazs       |
| Choudhury, Abhijit          | Ito, Yoshihiro     | Proell, Dieter       | Venkatesan, Ganesh  |
| Congdon, Paul               | Karl, Michael      | Randall, Karen       | Weber, Karl         |
| Cummings, Rodney            | Kehrer, Stephan    | Riegel, Maximilian   | Wessels, Leon       |
| Dorr, Josef                 | Kiessling, Marcel  | Rodine, Craig        | Winkel, Ludwig      |
| Engelmann, Anna             | Lai, Gavin         | Rodrigues, Silvana   | Woods, Jordon       |
| Farkas, Janos               | Li, Yizhou         | Rouyer, Jessy V      | Yamaura, Takahiro   |
| Fedyk, Donald               | Lopes, Joao        | Sato, Atsushi        | Zein, Nader         |
|                             | Lyu, Yunping(Lily) | Schewe, Frank        |                     |

The following will become voting members when/if they attend this session:

None

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:

Coelho, Rodrigo

Gravel, Mark

Han, Ruibo

Niess, Adriaan

Roy, Rajeev

Wang, Jing

Zeh, Alexander

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

Cummings, Rodney

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

Bao, Huajie

Gutierrez, Marina

Lyu, Yunping (Lily)

Obradovic, Dragan

Rodine, Craig

# 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.

# May 2024 interim

- Co-locate with and hosted by the 802 wireless group ([information](#))
  - Approved by the WG in March 2023
- [Registration](#) fee
  - USD 600 (up to April 05, 2024)
  - USD 800 (up to May 03, 2024)
  - USD 1000 (after May 03, 2024)
  - USD 300 hotel discount if staying at Warsaw Marriott Hotel
- In-Person with provisions to support mixed mode
  - Warsaw Marriott Hotel, Warsaw, Poland
- Date
  - May 12-17, 2024



# September 2024 interim

- Hosted by Airbus ([information](#))
  - Approved by the WG in November 2023
- Registration fee
  - Estimated to be around 650 EUR
  - Covers: site logistics, breaks, lunch, social event
- In-Person with provisions to support mixed mode
  - Hamburg, Germany
- Date
  - September 16-20, 2024

# January 2025 interim

- Currently no offer
- Discussions with potential host ongoing
- Date
  - TBD

# May 2025 interim

- Mitsubishi Electric R&D Centre Europe offer to host
  - [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

# Interim sessions

- May 12-17, 2024
  - Hosted by and co-located with the 802 wireless group as in-person session with provisions to support mixed mode
    - Location: Warsaw, Poland
- September 2024
  - Hosted by Airbus as in-person session with provisions to support mixed mode
    - Date: September 16-20, 2024
    - Location: Hamburg, Germany
- January 2025
  - Currently no host
- 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 host

# Plenary sessions

- 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 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

# Straw polls – opening plenary

1. If the 2025 May Interim Session is held at the Mama Shelter hotel, hosted by Mitsubishi Electric R&D Centre Europe, in Rennes, France, as a mixed-mode session, will you attend:

- Attend In-person - 25
- Attend Virtually (remotely) - 9
- Will not attend interim - 5
- No response - 5

# 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, Denver  
Colorado USA  
March 10-15, 2024

IEEE 802.1 Working Group ▾

Sunday 2024-03-10

Monday 2024-03-11

|             |  |
|-------------|--|
| 08:00-10:00 | 1 - Trk 1: TSN<br>Capitol 6/7 - 4th Floor      |
| 10:30-12:30 | 1 - Opening Plenary<br>Capitol 6/7 - 4th Floor |
| 13:30-18:00 | 1 - Trk 1: TSN<br>Capitol 6/7 - 4th Floor      |

Meeting logistics for all available on

[https://www.ieee802.org/802tele\\_calendar.html](https://www.ieee802.org/802tele_calendar.html)



# 802 EC report – Plenary Session #135

- Fee Waivers granted
  - Norman Finn, Hubert Lambers, SAE AS-1 and others
- IEEE 802 Milestone preview at social
  - Official unveiling at Computer History Museum on May 19<sup>th</sup>
- 802 rules update ([EC-24-059](#))
  - Reiterate that attendance in-person required to gain voting rights
  - Open source project proposal for 802.3 code for equations requires rules update to add SC/WG rules to allow this
- Venues ([EC-24-31](#))
  - March 2024 – 975 attendees – with about half in-person
  - Finalizing contracts for venues into 2027
- Treasurer ([EC-24-50](#))
  - Reserves “back to normal” at \$1.7M
  - March meeting cost ~ \$700k --- just 2 years ago is was ~\$300k

# IEEE 802 / ITU-T SG15 workshop

- 9th joint workshop since [2007](#)
- 13 July 2024, Le Centre Sheraton Montreal, Canada
  - In-person with provisions (TBC) to support mixed mode
  - Following 1-12 July 2024 ITU-T Study Group 15 plenary
  - Preceding 14-19 July 2024 IEEE 802 plenary session
- Workshop registration required - no fee
  - Open to ITU members, IEEE 802 participants and other interested individuals
- Further logistical details and detailed program forthcoming
  - 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 title:
  - Operational Program Management Senior Manager
- Christy Bahn
  - supports dot11, dot15, dot19 and, dot24 groups
  - Operational Program Management Senior Program Manager
- Dalisa Gonzalez
  - Observe 802 plenary
  - Program Coordinator
- Pat Roder (remote)
  - assisting Jodi and Christy
  - Operational Program Management Senior Program Manager
- Michelle Turner
  - 802 editorial support
  - Senior Manager, Content Production and Management
- Catherine Berger (email)
  - 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)

# March 2024 802 LMSC Elections

- Per the LMSC P&P (8 Feb 2021) sections 3.0 (Officers), and 4.0 (Membership), the “term for all officers of the Standards Committee ends at close of the first plenary session of each even numbered year.”
  - [Process summary by 802 chair](#)
- 802 Working Group and Technical Advisory Groups to hold elections for Chair and Vice-Chair positions
  - Glenn Parsons & Jessy Rouyer will stand for 802.1 Chair & Vice-Chair re-election
- 802 Executive Committee Elections/Confirmations
  - 802 LMSC Chair to be elected by non-appointed EC voting members
  - 802 LMSC Appointed position candidates to be confirmed by EC voting members
  - 802 LMSC WG/TAG Chair and Vice-Chair position candidates to be confirmed by EC voting members
  - Non-voting 802 LMSC position candidates to be confirmed by EC voting members

# 802 Chair and Appointed Officers

- James Gilb is standing for election as Chair of 802 LMSC
  - Paul Nikolich has decided not to stand for re-election
- If James Gilb is elected, he proposes to fill the 802 Appointed Officer positions as follows:

- First Vice Chair: David Halasz
- Second Vice Chair: George Zimmerman
- Recording Secretary: John D'Ambrosia
- Executive Secretary: Jon Rosdahl
- Treasurer: Clint Chaplin

voting

- Member Emeritus, Associate Treasurer: Jason Potterf
- Member Emeritus, Past Chair: Paul Nikolich
- Member Emeritus, IEEE 802 Advisor: Geoff Thompson
  
- IEEE 802 ISO/IEC/JTC1/SC6 Standing Committee Chair: Peter Yee
- IEEE 802 ITU Standing Committee Chair: Glenn Parsons
- IEEE 802 Public Visibility Chair: Tuncer Baykas
- IEEE 802 IETF Standing Committee Chair: TBD
- IEEE 802 Wireless Chairs Standing Committee: TBD

# 802.1 WG election process

- 802.1 process for chair and vice-chair
  - Nominations are open until the start of the closing 802.1 plenary meeting on March 14<sup>th</sup> . The election will be during the March 14<sup>th</sup> closing plenary meeting.
  - If there are multiple nominees for a post, then a secret ballot election will take place in which only 802.1 voters participate and in which each voter casts a single vote for their preferred candidate. To win the election, a majority of voters present at the time of the vote is required. If a majority is not achieved, then the candidate with the least number of votes is eliminated and the vote re-taken.
  - A motion to approve the winning candidate (in the case of an election) or the single nominee (in the event that there is only one candidate for the post) will then be made and voted upon by 802.1 voting members.



# IEEE 802 program status

- IEEE 802 Publication Report - March 2024
  - <https://mentor.ieee.org/802-ec/dcn/24/ec-24-0046-00-00SA-ieee-802-publication-report-march-2024.pdf>
- IEEE 802 Active PAR Report - 20 February 2024
  - <https://mentor.ieee.org/802-ec/dcn/24/ec-24-0040-00-00SA-ieee-802-active-par-report-20-february-2024.pdf>
- IEEE 802 Active Standards Report - 20 February 2024
  - <https://mentor.ieee.org/802-ec/dcn/24/ec-24-0041-00-00SA-ieee-802-active-standards-report-20-february-2024.pdf>
- IEEE 802 EC Solutions Report - March 2024
  - <https://mentor.ieee.org/802-ec/dcn/24/ec-24-0048-00-00SA-ieee-802-ec-solutions-report-march-2024.pdf>

# Notable

- March / April 2024 publication
  - 802.1ASdr-2024 & 802.1CS/cor1-2024
- 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

- 802.1ASeb -  
Amendment: Optional Use  
of Announce  
, [PAR](#) and [CSD](#)

## Normal session process

- Pre-circulation of PARs
  - February 10
- *Maintenance TG prepares 802.1 comments*
  - March 12 at 6pm ET
- 802.1 response to other WG comments
  - March 13 at 6pm ET
- EC approval
  - March 15

# Other 802 PARs this session

- 802.3dm - Amendment: Asymmetrical Electrical Automotive Ethernet, [PAR](#) and [CSD](#)
  - [802.1 comments](#)
- 802.11bf - Amendment: Enhancements for Wireless Local Area Network (WLAN) Sensing, [PAR modification](#)
  - No 802.1 comments
- 802.11bp - Amendment: Enhancements for Ambient Power Communication (AMP), [PAR](#) and [CSD](#)
  - [802.1 comments](#)

# Tutorials

- Tutorial #1 (6:15–7:35 pm MDT)
  - Ascon: The Lightweight Cryptography Standard for IoT
    - Florian Mendel, Infineon Technologies
- Tutorial #2 (7:45–9:05 pm MDT)
  - Automated Frequency Coordination (AFC)
    - Mark Gibson, CommScope
- Tutorial #3 (9:00–10:30 pm MDT)
  - No Session Planned at this time

[tutorial abstracts](#)

# Liaison Resources

- IEEE 802.1 Liaison Page
  - <https://1.ieee802.org/liaisons/>
  - Liaison Table: <https://1.ieee802.org/liaisons/liaisonable/>
  - 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.

# IEEE 802.1 Liaison Relationship

- Liaison Relationship: A cooperation facilitating a close working relationship between organizations typically via Liaison Statements, Liaison Officials or Liaison Facilitators.
- SDOs previously listed as Liaison Relationship with 802.1:
  - IEC TC 65 SC65C/WG18: TSN for industrial automation Delete
  - IEEE 1588
  - IEEE 1722
  - IEEE 1914.3
  - ITU-T Joint Coordination Activity on IMT2020 and Beyond (JCA-IMT2020) Change to statement
  - Internet Engineering Task Force (IETF)
  - ISO/IEC JTC 1/SC 6 Telecommunications & info exchange between systems LMSC
- No identified IEEE 802 WG Liaison representative(s)
- Liaison relationship(s) should be reviewed every three years.



# IEEE 802.1 Liaison Statement

- Liaison Statement: A communication intended to advance cooperation among organizations.
- SDOs listed as Liaison Statement:
  - 3GPP RAN2, RAN3, SA2-Architecture
  - 5G Alliance for Connected Industries and Automation (5G-ACIA)
  - 5G Automotive Association (5GAA)
  - ATIS
  - AVNU Alliance
  - Broadband Forum (BBF)
  - CableLabs
  - CPRI
  - ECMA International
  - EtherCAT Technology Group
  - ETSI
  - GSMA
  - IEC - International Electrotechnical Commission
  - IEC TC 65 SC65C, IEC TC 65 SC65C/WG15
  - IEEE 1905.1
  - Innovative Optical and Wireless Network (IOWN) Global Forum
  - ISO/TC 204 - Intelligent transport systems
  - ISO/TC 22/SC 31 - Data communication
  - ITU-T SCV - Stdzn Committee for Vocabulary
  - ITU-T TSAG - Telecomm Stdzn Advisory Group
  - ITU-T SG2, SG9, SG11, SG12, SG13, SG15, SG16
  - Japan Automotive Software Platform and Architecture (JASPAR)
  - LNI4.0
  - MEF
  - Multimedia over Coax Alliance (MoCA)
  - OMA - Open Mobile Alliance
  - oneM2M
  - OPC Foundation
  - Open Alliance
  - Open Connectivity Forum (formerly UPnP)
  - SAE
  - TIA - Telecommunications Industry Association

# Incoming Liaisons

- [Liaison](#) from **BBF** on New Project for Addressing ONU Management at Scale (with attachments) [YANGsters – joint with 802.3]
- Liaison [LS93](#) from **ITU-T SG15**: LS on IM/DM modelling coordination [YANGsters]
- Liaison [LS94](#) from **ITU-T SG15**: LS on Consented Recs [YANGsters, TSN]
- Liaison [LS95](#) from **ITU-T SG15**: LS on Inclusive Terminology, YANG [YANGsters, TSN]
- Liaison [LS92](#) from **ITU-T SG15**: LS on Initiation of approval process for G.8021 amendment and G.8013/Y.1731 corrigendum. Recommendations referenced are in the [liaison directory](#) [TSN]
- Liaison [LS139](#) from **ITU-T SG13**: LS on work items related to deterministic networking in ITU-T SG13 [TSN]
- [Liaison](#) from **IEEE 1588** on P802.1ASeb draft PAR [TSN]
- Liaison [LS89](#) from **ITU-T SG15**: LS on OTNT Stdzn Work Plan Issue 33 [Maintenance]
- Liaison [LS14](#) from **ITU-T JCA**: LS on Invitation to update the information in the IMT2020 roadmap [Maintenance]
  - Received November 2023; agreed to provide update from March 2024 Plenary meeting
- [Liaison](#) from **AVNU**: LS on TSN Components and Device testing [TSN]

# Status of Outgoing Liaisons

- Liaisons sent since November 2023 Plenary:
  - Sent liaison to IETF DetNet and IETF MADINAS
  - Sent comment responses to SC6 on IEEE Std 802.1AEdk and IEEE Std 802.1Qcz ballots
  - Sent IEEE Std 802.1Qcw, IEEE Std 802.1Qcj, IEEE Std 802f, and IEEE Std 802.1ASdr to SC6 for adoption
  - Sent IEEE P802.1Qdj, IEEE P802.1ASdn, IEEE P802.1ASdm, IEEE P802.11Qdx to SC6 for information
- Approved liaisons – still to be completed:
  - Send IEEE P802-REVC to SC6 for information, after the SA ballot starts (November 2023 motion)
  - Send IEEE 802.1CS-2020/Cor1 to SC6 for adoption when published (November 2023 motion)

# IETF coordination

- LMSC IETF SC [[EC-24-53](#)] – no meeting this plenary
- [IAB/IESG/IEEE 802 coordination](#) – February 16
  - Item 5. Enabling use of Local Addresses for virtualization and IoT
    - [RFC 7042 update](#) approved for publication as BCP
  - Item 25. Layer 2/Layer 3 Interaction for Time-Sensitive Traffic
    - TSN and DetNet well coordinated with joint participation
    - DETNET pof, oam-framework and mpls-oam approved
  - Item 27. Development of YANG models in the IEEE 802
    - No progress on common string for MAC addresses
  - 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](#)
  - New
    - Proxying Ethernet over HTTP ([draft-ietf-masque-connect-ethernet](#))
    - safe limited domains ([draft-wkumari-intarea-safe-limited-domains](#)) – EtherType request

# JTC1/SC6 coordination

- JTC1 SC status ([EC-24-055](#))
  - All current SC6 ballots have passed
  - 802.11 no longer being submitted due to IPR issues
  - Withdrawing from AG4

# ITU Coordination

- Review of higher level ITU activities relevant to IEEE 802 ([EC-24-49](#))
  - ITU Council
  - ITU-T TSAG
  - ITU-R RA
  - ITU WSIS
  - ITU-T WTSA
- Proposed adoption of 802.3 by ITU-T SG15

# Meetings with other 802 WGs

- [802.1 & 802.15](#) (Tues 18:00 – 19:00)
  - Review 802.1ACea amendment PAR

# Promotion



- IEEE SA marketing collateral
  - [TSN automotive](#), [TSN industrial](#) – [TSN logo](#)
- Press releases, blog posts, articles
  - YANG blog post – TSN, EtherType & New CBS, MSTP & LAG
- Tutorial
  - TSN eLearning course – under development
    - Lead - Norman Shaw – using webinar content as input
  - [TSN webinars](#)
    - 802.1 – Sept 16 , TSN toolset – Dec 2, 802.1AS – Feb 24, AVB – Jun 9, Fronthaul - Sept 8, 60802 – Apr 6, 2023 , Automotive – Oct 26
    - Next: Aerospace
  - Computer Society webinars Data Center – August 2023
- 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: Roger Marks
  - [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



- [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

# IEEE SA Standards Medallion

- [2023](#)
  - Günter Steindl  
*For outstanding contributions to, and constructive efforts in, the IEEE 802.1™ Working Group*
- 2022 – Paul T. Congdon
- 2021 – Geoffrey Garner, Marc Holness
- 2020 - János Farkas
- 2015 - Stephen Haddock
- 2014 - Norman Finn
- 2009 - Michael Johas Teener
- 2000 - Tony Jeffree
- 1998 - Mick Seaman



# WG Chair Awards

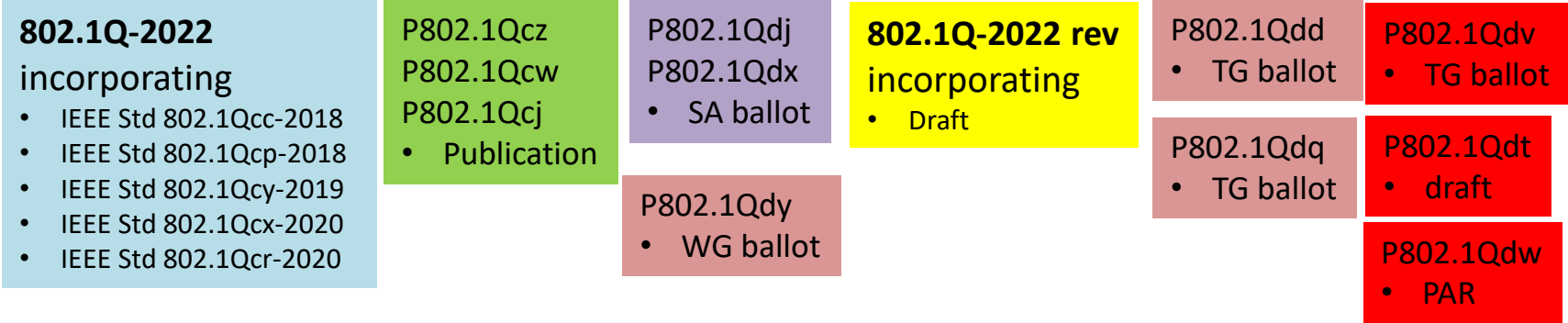
*Offered to leadership, editors and significant contributors after publication*

- IEEE Std 802.1Qcw-2023
  - Editor: Marina Gutiérrez López
  - Contribution:
    - Jessy Rouyer - for significant contribution
    - Rodney Cummings - for significant contribution to the development of YANG models
    - Scott Mansfield - for significant contribution to the development of YANG models
    - Mick Seaman - for significant contribution to editorial integration
    - Johannes Specht - for significant contribution to the development of YANG models
    - Josef Dorr - for significant contribution to the development of MIB models
- IEEE Std 802.1Qcj-2023
  - Editor: Paul Bottorff
  - Contribution:
    - Jessy Rouyer - for significant contribution
    - Scott Mansfield - for significant contribution to the development of YANG modules
    - Mick Seaman - for significant contribution to editorial integration
    - Dan Romascanu - for significant contribution as a prior editor
    - Scott Fincher - for significant contribution as a prior editor
    - Paul Unbehagen - for significant contribution as a prior editor
- IEEE Std 802f-2023
  - Editor: Marc Holness
  - Contribution:
    - Jessy Rouyer - for significant contribution
    - Scott Mansfield - for significant contribution to the initiation of this project to develop an EtherTypes YANG module
    - Roger Marks - for significant contribution

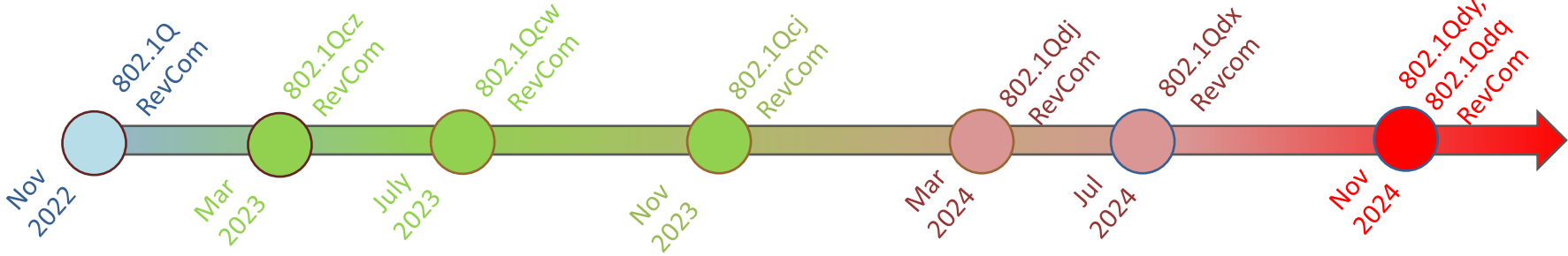
# Sanity check – current workload

| 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   | TG Ballot             | Dec '24  |
| 60802 (DA)       | TSN Profile for Industrial Automation | PAR modification      | WG Ballot         | D2.2   | SA ballot conditional | Dec '25  |
| 802.1DC          | QOS provision by network systems      | SA Ballot             | SA Ballot         | D3.0   | RevCom conditional    | Dec '24  |
| 802.1Qdd         | Resource Allocation Protocol          | PAR extension         | TG Ballot         | D0.8   | WG Ballot             | Dec '25  |
| 802.1DG          | TSN Profile for Automotive Networks   | PAR Extension         | TG Ballot         | D2.4   | WG Ballot             | Dec '25  |
| 802.1Qdj         | TSN Configuration Enhancements        | SA Ballot             | SA Ballot         | D2.0   | RevCom conditional    | 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             | TG Ballot             | TG Ballot         | D1.1   | WG Ballot             | Dec '24  |
| 802.1Qdq         | Tspec                                 | TG Ballot             | PAR approved      | D0.4   | TG Ballot             | Dec '25  |
| 802.1ASdr        | Inclusive Language                    | RevCom                | Approved - Feb 15 | D1.2   | publication           | Dec '25  |
| 802.1ASds        | Half-duplex support                   | TG Ballot             | TG Ballot         | D0.2   | TG Ballot             | Dec '26  |
| 802.1Qdt         | PFC MACsec                            | PAR modification      | 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         | D0.3   | TG Ballot             | Dec '26  |
| 802-rev          | O&A                                   | WG Ballot             | WG Ballot         | D1.2   | SA ballot conditional | Dec '26  |
| 802.1Qdw         | Source Flow Control                   | Nescom                | PAR approved      |        | Editor's draft        | Dec '26  |
| 802.1CS/cor1     | LRP corrigendum                       | RevCom                | Approved - Feb 15 | D2.1   | publication           | Dec '26  |
| 802.1Qdx         | YANG for CBS                          | SA Ballot conditional | SA Ballot         | D2.0   | RevCom conditional    | Dec '27  |
| 802.1Q-2022 rev  | Bridges and Bridged Networks          | TG Ballot             | Editor's draft    | D1.2   | TG Ballot             | 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                         | WG ballot             | WG ballot         | D1.0   | SA ballot conditional | Dec '27  |
| 802.1AXdz        | YANG for LAG                          | NesCom                | PAR approved      |        | Editor's draft        |          |
| 802.1ACea        | 802.15.16 convergence                 | PAR Development       | WG PAR review     |        | Editor's draft        |          |
| 802.1CB/cor1     | FRER corrigendum                      | PAR Development       | WG PAR review     |        | Editor's draft        |          |
| 802.1ASeb        | Announce                              | PAR Development       | WG PAR review     |        | NesCom                |          |

# 802.1Q revisions and amendments



Content locked on Sept 21, 2025  
Amendments blocked until approval



# 802.1AS revision and amendments

- 802.1AS-2020

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



- 802.1AS-2020 rev

- P802.1ASds – TG ballot
- P802.1ASeb – PAR development

Content locked after approval of 3<sup>rd</sup> amendment  
Further amendments blocked until revision approval

# 802.1 meeting schedule

| MT Start | MT End | Monday Mar11    | Tuesday Mar 12     | Wednesday Mar 13 |           |           | Thursday Mar 14 |                 | Friday Mar 15 | ET Start | PT Start | CET start | JST start |
|----------|--------|-----------------|--------------------|------------------|-----------|-----------|-----------------|-----------------|---------------|----------|----------|-----------|-----------|
| 08:00    | 08:30  | TSN             | Maintenance        | TSN              | P802-REVc |           | TSN P802.1DG    | Nendica         | TSN           | 10:00    | 07:00    | 15:00     | 23:00     |
| 08:30    | 09:00  |                 |                    |                  |           |           |                 |                 |               | 10:30    | 07:30    | 15:30     | 23:30     |
| 09:00    | 09:30  |                 |                    |                  |           |           |                 |                 |               | 11:00    | 08:00    | 16:00     | 00:00     |
| 09:30    | 10:00  |                 |                    |                  |           |           |                 |                 |               | 11:30    | 08:30    | 16:30     | 00:30     |
| 10:00    | 10:30  |                 |                    |                  |           |           |                 |                 | 12:00         | 09:00    | 17:00    | 01:00     |           |
| 10:30    | 11:00  | Opening Plenary | TSN P802.1DG       | TSN              | TSN 60802 | Security  | TSN             | TSN 60802       | TSN 60802     | 12:30    | 09:30    | 17:30     | 01:30     |
| 11:00    | 11:30  |                 |                    |                  |           |           |                 |                 |               | 13:00    | 10:00    | 18:00     | 02:00     |
| 11:30    | 12:00  |                 |                    |                  |           |           |                 |                 |               | 13:30    | 10:30    | 18:30     | 02:30     |
| 12:00    | 12:30  |                 |                    |                  |           |           |                 |                 |               | 14:00    | 11:00    | 19:00     | 03:00     |
| 12:30    | 13:00  |                 |                    |                  |           |           |                 |                 | 14:30         | 11:30    | 19:30    | 03:30     |           |
| 13:00    | 13:30  |                 |                    |                  |           |           |                 |                 | 15:00         | 12:00    | 20:00    | 04:00     |           |
| 13:30    | 14:00  | TSN             | TSN P802.1DP       | TSN 60802        | TSN       | TSN 60802 | Security        | Closing Plenary | TSN 60802     | 15:30    | 12:30    | 20:30     | 04:30     |
| 14:00    | 14:30  |                 |                    |                  |           |           |                 |                 |               | 16:00    | 13:00    | 21:00     | 05:00     |
| 14:30    | 15:00  |                 |                    |                  |           |           |                 |                 |               | 16:30    | 13:30    | 21:30     | 05:30     |
| 15:00    | 15:30  |                 |                    |                  |           |           |                 |                 |               | 17:00    | 14:00    | 22:00     | 06:00     |
| 15:30    | 16:00  |                 |                    |                  |           |           |                 |                 | 17:30         | 14:30    | 22:30    | 06:30     |           |
| 16:00    | 16:30  | TSN             | YANGsters          | TSN              | TSN 60802 | Security  | Closing Plenary | TSN 60802       | 18:00         | 15:00    | 23:00    | 07:00     |           |
| 16:30    | 17:00  |                 |                    |                  |           |           |                 |                 | 18:30         | 15:30    | 23:30    | 07:30     |           |
| 17:00    | 17:30  |                 |                    |                  |           |           |                 |                 | 19:00         | 16:00    | 00:00    | 08:00     |           |
| 17:30    | 18:00  |                 |                    |                  |           |           |                 |                 | 19:30         | 16:30    | 00:30    | 08:30     |           |
| 18:00    | 18:30  | 802 Tutorial    | 802.1/802.15 Joint | Social Event     |           |           |                 |                 |               | 20:00    | 17:00    | 01:00     | 09:00     |
| 18:30    | 19:00  |                 |                    |                  |           |           | 20:30           | 17:30           | 01:30         | 09:30    |          |           |           |
| 19:00    | 19:30  |                 |                    |                  |           |           | 21:00           | 18:00           | 02:00         | 10:00    |          |           |           |
| 19:30    | 20:00  |                 |                    |                  |           |           | 21:30           | 18:30           | 02:30         | 10:30    |          |           |           |
| 20:00    | 20:30  |                 |                    |                  |           |           |                 |                 | 22:00         | 19:00    | 03:00    | 11:00     |           |
| 20:30    | 21:00  |                 |                    |                  |           |           |                 |                 | 22:30         | 19:30    | 03:30    | 11:30     |           |
| 21:00    | 21:30  |                 |                    |                  |           |           |                 |                 | 23:00         | 20:00    | 04:00    | 12:00     |           |



# 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 MT - Tuesday – Granite room
  - Prepare PAR responses, EC consent agenda for Friday EC meeting
- Editors' meetings
  - 19:00 MT - Tuesday - Granite room
  - 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



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/march-2024-plenary-session-maintenance-tg-agenda/>

## Tuesday 12 March 2024, 8:00 – 10:00

- Meeting introduction
- Approval of agenda
- Maintenance Project Status
- 802 PARs Under Consideration
  - 802.3dm
  - 802.11bf
  - 802.11bp
- Liaison Activity – Karen Randall
- P802.1Q-2022 Rev – Discussion of Amendments to Include
- P802.1ACea
- Maintenance Items [0366](#), [0312](#), [0314](#), [0363](#)
- Future meetings

## Wednesday 13 March 2024, 8:00 – 10:00

- P802-REVc comment resolution
- Future REVc meetings
- Any Other Business

# Agenda – Security

1. Meeting introduction
2. Approval of agenda
3. P802.1Qdt Priority-based Flow Control Enhancements  
Draft development
  - **Wednesday 13 March 10:30-12:30, 13.30-15.30 (Mountain Daylight Time – Denver, CO)**
4. Any Other Business (A.O.B)
  - **Wednesday 13 March 13.30-15.30, 16:30-18:00**
5. Review potential Security TG items for closing plenary
6. Future meetings/teleconferences

# IEEE 802.1 TSN TG Agenda

IEEE 802 Plenary, March 11-15, 2024

| MT Start | MT End | Monday Mar 11  | Tuesday Mar 12                              | Wednesday Mar 13                                    | Thursday Mar 14                             | Friday Mar 15  | ET Start                    | PT Start                    | CET Start | JST Start |       |      |
|----------|--------|--|---|---|---|--|-----------------------------|-----------------------------|-----------|-----------|-------|------|
| 8:00     | 8:30   | <b>TSN</b><br>P802.1Qdj,<br>P802.1ASdn,<br>P802.1ASdm,<br>P802.1ASds       | <b>Maintenance TG</b>                       | <b>TSN</b><br>P802.1ASdm,<br>P802.1Qdj              | <b>TSN - P802.1DG</b><br>comment resolution | <b>TSN</b><br>P802.1DU,<br>P802.1ASdm,<br>P802.1ASds,            | 10:00                       | 7:00                        | 15:00     | 23:00     |       |      |
| 8:30     | 9:00   |  |   |   |   |  | 10:30                       | 7:30                        | 15:30     | 23:30     |       |      |
| 9:00     | 9:30   |  |   |   |   |  | 11:00                       | 8:00                        | 16:00     | 0:00      |       |      |
| 9:30     | 10:00  |  |   |   |   |  | 11:30                       | 8:30                        | 16:30     | 0:30      |       |      |
| 10:00    | 10:30  |  |   |   |   |  | 12:00                       | 9:00                        | 17:00     | 1:00      |       |      |
| 10:30    | 11:00  | <b>Opening plenary</b>   | <b>TSN - P802.1DG</b><br>comment resolution | <b>TSN</b><br>ASeb PAR,<br>liaisons,<br>P802.1ASds  | <b>TSN - IEC/IEEE 60802</b>                 | <b>TSN</b><br>P802.1Qdx,<br>P802.1ASdm<br>P802.1ASds<br>overflow | <b>TSN - IEC/IEEE 60802</b> | <b>TSN - IEC/IEEE 60802</b> | 12:30     | 9:30      | 17:30 | 1:30 |
| 11:00    | 11:30  |  |   |   |   |  |                             |                             | 13:00     | 10:00     | 18:00 | 2:00 |
| 11:30    | 12:00  |  |   |   |   |  |                             |                             | 13:30     | 10:30     | 18:30 | 2:30 |
| 12:00    | 12:30  |  |   |   |   |  |                             |                             | 14:00     | 11:00     | 19:00 | 3:00 |
| 12:30    | 13:00  |  |   |   |   |  | 14:30                       | 11:30                       | 19:30     | 3:30      |       |      |
| 13:00    | 13:30  |  |   |   |   |  | 15:00                       | 12:00                       | 20:00     | 4:00      |       |      |
| 13:30    | 14:00  | <b>TSN</b><br>liaisons, motions,<br>P802.1Qdd,<br>P802.1Qdj,<br>P802.1ASdn | <b>TSN - P802.1DP /AS6675</b>               | <b>TSN - IEC/IEEE 60802</b>                         | <b>TSN</b><br>P802.1Qdq,<br>P802.1Qdv       | <b>TSN - IEC/IEEE 60802,</b><br>(process,<br>sync sim)           | <b>TSN - IEC/IEEE 60802</b> | <b>TSN - IEC/IEEE 60802</b> | 15:30     | 12:30     | 20:30 | 4:30 |
| 14:00    | 14:30  |  |   |   |   |  |                             |                             | 16:00     | 13:00     | 21:00 | 5:00 |
| 14:30    | 15:00  |  | 16:30                                       | 13:30   |   |  |                             |                             | 21:30     | 5:30      |       |      |
| 15:00    | 15:30  |  | 17:00                                       | 14:00   |   |  |                             |                             | 22:00     | 6:00      |       |      |
| 15:30    | 16:00  |  |   |   |   |  | 17:30                       | 14:30                       | 22:30     | 6:30      |       |      |
| 16:00    | 16:30  | <b>TSN</b><br>P802.1Qdj,<br>P802.1ASdn,<br>P802.1ASdm,<br>P802.1DU         | <b>YANGsters</b>                            | <b>TSN</b><br>P802.1CQ,<br>P802.1AXdz<br>P802.1ASds | <b>TSN - IEC/IEEE 60802</b>                 | <b>TSN - IEC/IEEE 60802</b>                                      | <b>TSN - IEC/IEEE 60802</b> | <b>TSN - IEC/IEEE 60802</b> | 18:00     | 15:00     | 23:00 | 7:00 |
| 16:30    | 17:00  |  |   |   |   |  |                             |                             | 18:30     | 15:30     | 23:30 | 7:30 |
| 17:00    | 17:30  |  |   |   |   |  |                             |                             | 19:00     | 16:00     | 0:00  | 8:00 |
| 17:30    | 18:00  |  |   |   |   |  |                             |                             | 19:30     | 16:30     | 0:30  | 8:30 |

- TSN TG agenda details are available at: <https://1.ieee802.org/2024-03-plenary-tsn-agenda>
- Note that the TSN TG agenda may change, e.g., depending on progress

# Nendica Meetings since Nov Plenary

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

| Date       | Attendance |
|------------|------------|
| 2024-01-11 | 16         |
| 2024-01-25 | 21         |
| 2024-02-08 | 14         |
| 2024-02-22 | 15         |
| 2024-03-07 | 7          |

# Nendica Activity since Nov Plenary

- Potential topic: *(AI) Computing Networks*
  - *Requirements for AI Fabric*
  - *Network for AI datacenters*
  - *Study Item Proposal: AI Computing Network*
  - *Load balancing challenges in AI fabric*
  - *Follow-up Discussion of AI Computing Network Requirements*
- **Vetting topics**
  - *802.1CB Configuration Parameters for the Sequence Recovery Function*
  - *Reference Delay based One-way Delay Measurement*
  - *Congestion Signaling (CSIG)*
  - *Effective Performance Management in TSN*



# Nendica Agenda 2024-03-14

- Thursday 8-10 AM
- Capitol 5 room, 4th Floor
- <https://1.ieee802.org/802-nendica-agenda-2024-03-14>
- “Computing Networks” Topics
  - *Collective Communication in a Layer 2 Clos Fat-tree*
  - *Implementation of Layer 2 Clos Fat-tree with Programmable Switches*
  - *Observations of a Layer 2 Clos Fat-tree*
  - *Contribution toward AI Computing Networks*

# Agenda Topics for YANGsters

- BBF liaison on YANG scalability review and response
- YANG Guidelines (OID/URN, Augment, Numbers, Versioning)
- AXdz YANG discussion
- Meeting Agenda: <https://1.ieee802.org/march-2024-plenary-session-yangsters-agenda/>
- YANGsters: <https://1.ieee802.org/yangsters/>
- YANGsters FAQ: <https://1.ieee802.org/yangsters/yangsters-guidelines/yangsters-faq/>

# YANG Status (10 March 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  | pull request made | SA     | D2.0      | checked     | 1588 module name issue                     |
| 802.1ASdn         | Timing and Synchronization for Time-Sensitive Applications — Amendment: YANG Data Model                                    | current           | SA     | D2.0      | checked     | 1588 module name issue                     |
| 802.1ASds         | Support for the IEEE Std 802.3 Clause 4 Media Access Control (MAC) operating in half-duplex                                | not created       | TG     | D0.2      | No YANG     |  |
| 802.1AXdz         | YANG for LAG   | not created       | Editor | None      | No YANG     |  |
| 802.1CS-2020/Cor1 | Link-local Registration Protocol (LRP)   | current           | WG     | D2.1      | checked     | Pending Publication                        |
| 802.1DC           | Quality of Service Provision by Network Systems  | pull request made | SA     | D3.1      | checked     | needs Qdx                                  |
| 802.1DG           | TSN Profile for Automotive In-Vehicle Ethernet Communications  | not created       | TG     | D2.4      | No YANG     |  |
| 802.1DP           | TSN for Aerospace Onboard Ethernet Communications  | not created       | Editor | D1.1      | No YANG     |  |
| 802.1DU           | Cut-through forwarding   | not created       | Editor | D0.2      | No YANG     |  |
| 802.1Q-2022rev    | Q-rev  | pull request made | Editor | D1.1      | checked     |  |
| 802.1Qdd          | Resource Allocation Protocol   | not created       | TG     | D0.8      | No YANG     |  |
| 802.1Qdj          | Amendment: Configuration Enhancements for Time-Sensitive Networking  | pull request made | SA     | D2.2      | checked     | module name change                         |
| 802.1Qdt          | Priority-based Flow Control Enhancements   | not created       | TG     | D0.2      | 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   | pull request made | SA     | D2.0      | checked     |  |
| 802.1Qdy          | YANG for MSTP  | current           | WG     | D1.2      | checked     |  |
| 802-REvc          | 802 Revision C   | current           | WG     | D1.2      | checked     | Pending Publication                        |
| IEC/IEEE 60802    | Industrial Automation  | pull request made | WG     | D2.2      | checked     | 1588 module name issue and Qdj has changed |
| IEEE1588e         | Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: MIB and YANG Data Models | current           | SA     | D1.4      | checked     |  |

# Nearly Published and Published YANG Work

- 802.1ASdr (inclusive language, not specifically YANG related, but driving some updates in YANG modules)
- 802.1CS/cor1
- 802.1DC
- 802.1Qdj
- 802.1ASdm
- 802.1ASdn

Any Other Business ?