IEEE 802.1

Closing Plenary November 2023

Glenn Parsons – IEEE 802.1 WG Chair

glenn.parsons@ericsson.com

802.1 plenary agenda

Monday, November 13th 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, November 17th closing

- [Copyright Policy](#)
- [Call for Patents](#)
- [Participant behavior](#)
- Membership status
- Future Sessions
- Sanity check – current projects
- TG reports
- Outgoing Liaisons
- Motions for EC
- Motions for 802.1
- Any other business

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.

MIXED MODE GUIDELINES

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

- Project in the meeting room
- Appear in WebEx as "Meeting Room"
- Broadcast meeting room audio
- Mute or remove noisy lines
- Monitor the WebEx queue

The chair runs the meeting

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

All presenters present via WebEx

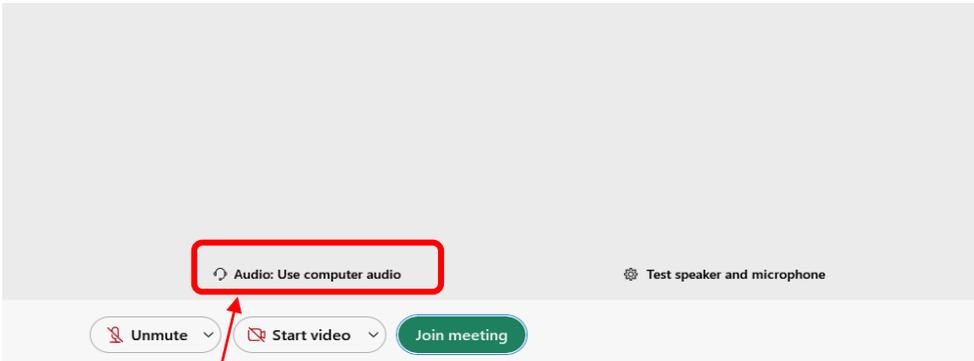**If you are in-person, you may join WebEx to**

- Present
- See the screen
- Chat (*not part of the meeting*)
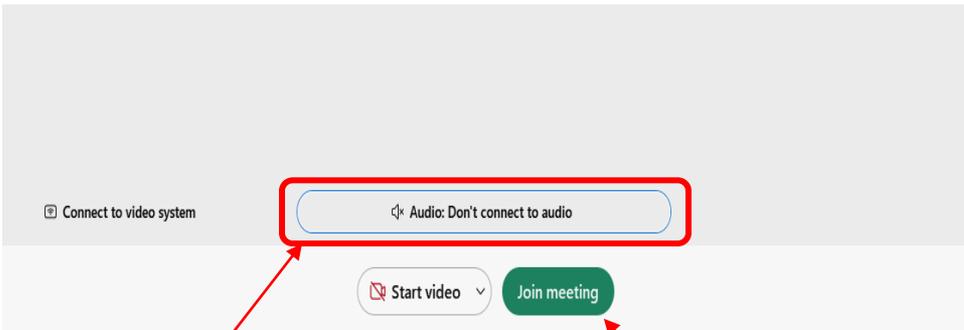
If you are in-person and join WebEx

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

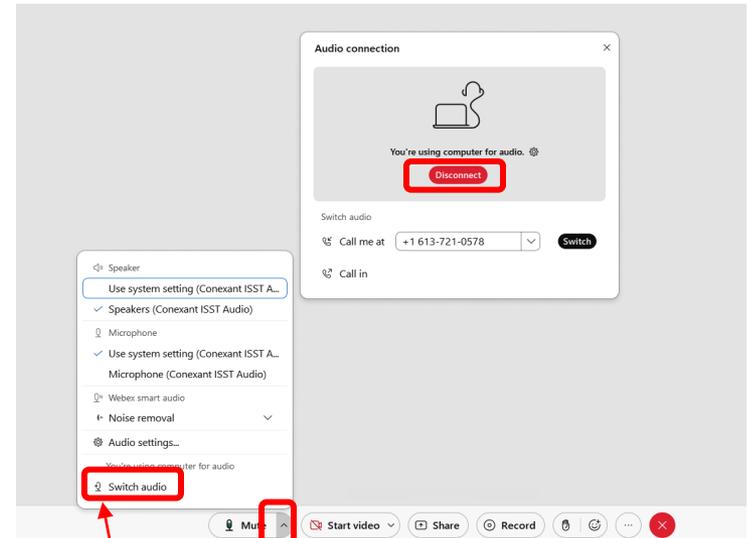◁× Audio: Don't connect to audio

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**"

ELECTRONIC MEETING GUIDELINES

Please mute yourself when you are not speaking

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

Please provide your information

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

Changing your data in Webex

Step 1

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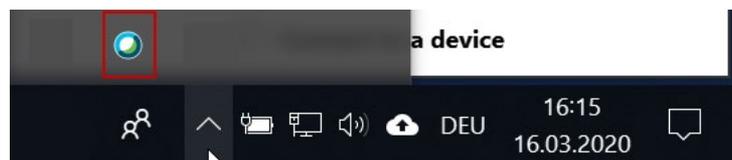
- Right-click on the Webex icon and select "Open Cisco Webex Meetings"

Step 2

- In the Webex Windows that opens, Click on the pencil icon* next to your display information
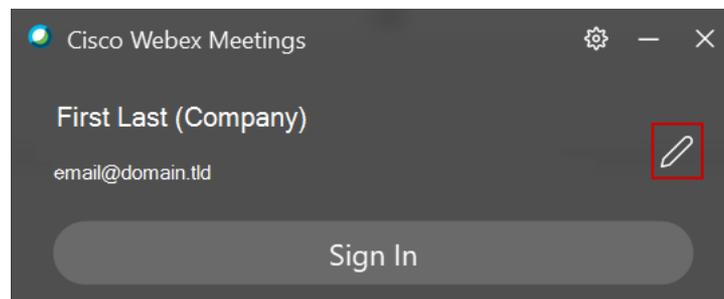
(*) May need to Exit Webex via the cog wheel and restart the desktop Webex app to see the pencil icon. May also need to log in as guest.

DECORUM
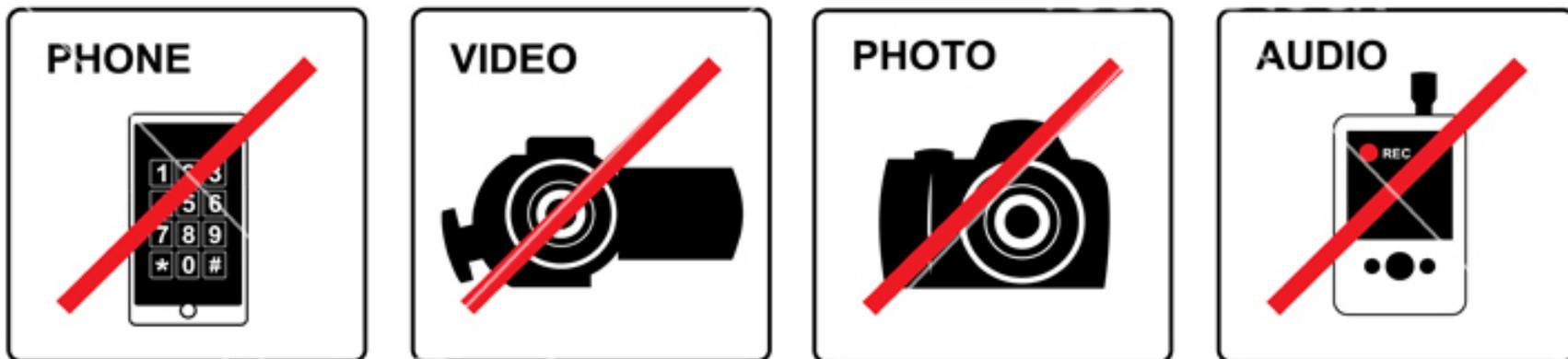
- **Press (i.e., anyone reporting publicly on this meeting) are to announce their presence** *(5.3.3.3 of SASB Operations Manual)*

- **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**

IEEE SA STANDARDS ASSOCIATION

◆IEEE

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 yet have an IEEE Account.**

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																	

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

The data from IMAT is used as the meeting participant list.

- **Please promptly provide your affiliation to the minute taker if you are unable to record your attendance in IMAT.**

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

(*) Sign in myProject > Menu > Manage Profile & Interests > Personal & Professional Info > fill in Employer field > Save
(**) Sign in ieee.org > Your Name > Profile > Professional and Education Information > edit Employment information > fill in Employer field > Save

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

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

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.**

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

IEEE SA STANDARDS ASSOCIATION

IEEE

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

Approved by SASB in June 2019

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

Approved by SASB in June 2019

Plenary Registration Fee

- Attendance at any meeting held during or as part of the November 2023 Plenary Session requires registering and paying the appropriate fee
  - Early $US 800.00 until September 22, 2023
  - Standard $US 1100.00 After September 22 until October 27, 2023
  - Late/Onsite $US 1400.00 after October 27, 2023
- 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

- WiFi: SSID – IEEE802 Password - ieeeieee

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

- 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
  - IEC/IEEE 60802 Joint Project Time Sync ad hoc chair: David McCall
  - IEEE P802.1DP/SAE AS6675 joint project co-Chairs: Abdul Jabbar & János Farkas
  - IEEE P802.1DP/SAE AS6675 joint project Secretary: Marina Gutiérrez
- NENDICA Chair: Roger Marks
- YANGsters Chair: Scott Mansfield
  - YANGsters Vice-Chair and Secretary: Stephan Kehrer
- Maintenance of Email exploder: Mark Hantel and Hal Keen
- Maintenance of website: Mark Hantel, Roger Marks, John Messenger

Editors – current projects

- **802.1Q editor** – Mick Seaman
  - **P802.1Qcj** – Paul Bottorff
  - **P802.1Qcw** – Marina Gutierrez
  - **P802.1Qdd** – Feng Chen
  - **P802.1Qdj** – Stephan Kehrer
  - **P802.1Qdq** – Hiroki Nakano
  - **P802.1Qdt** – Lily Lyu
  - **P802.1Qdv** – Norman Finn
  - **P802.1Qdx** – Abdul Jabbar
  - **P802.1Qdy** – Martin Mittelberger
- **P802-REVc** – James Gilb
  - **P802f** – Marc Holness
- 802.1AC editor – John Messenger
- 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
- **P802.1CQ** – Roger Marks
- **P802.1CS** – Norman Finn
- **P802.1DC** – Norman Finn
- **P802.1DF** – Tongtong Wang
- **P802.1DG** – Max Turner
- **P802.1DP / SAE AS6675** – Abdul Jabbar
- **P802.1 DU** – Johannes Specht
- **IEC/IEEE 60802** – Jordon Woods

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
- Patrycja Jarosz
  - Observe 802 plenary
  - Program Coordinator
- Mike Kipness (remote)
  - assisting Jodi, Ron, and Christy
  - Operational Program Management Program Manager
- Catherine Berger (email and 802.1 editors)
  - 802 editorial support
  - Senior Program & Special Project Manager
- Michelle Turner (email)
  - 802 editorial support
  - Senior Manager, Content Production and Management

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 letter ballot series (WG ballots + ePolls).

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

- When you lose your voting membership this way, you lose <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 (73):

Akizuki, Katsuyuki
Alexandris, Konstantinos
Arunarthi, Venkat
Assmann, Ralf
Bao, Huajie
Belliardi, Rudy
Blendin, Jeremias
Boiger, Christian
Bottorff, Paul
Canchi, Radhakrishna
Chen, Feng
Choudhury, Abhijit
Congdon, Paul
Cummings, Rodney
Dorr, Josef
Elbakoury, Hesham
Engelmann, Anna
Enzinger, Thomas

Farkas, Janos
Fedyk, Donald
Finn, Norman
Garner, Geoffrey
Gunther, Craig
Gutierrez, Marina
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, Lily
Mangin, Christophe
Mansfield, Scott
Mater, Olaf
McCall, David
McMillan, Larry
Mittelberger, Martin
Nakano, Hiroki
Nomura, Takumi
Pannell, Donald R
Parsons, Glenn
Proell, Dieter
Randall, Karen
Riegel, Maximilian
Rodrigues, Silvana
Rouyer, Jessy V
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
Wang, Tongtong
Weber, Karl
Wessels, Leon
Winkel, Ludwig
Woods, Jordon
Yamaura, Takahiro
Zein, Nader

The following <u>became</u> voting members this week:

None

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:

Bierschenk, Jens
Coelho, Rodrigo
Du, Zongpeng
Gravel, Mark
Han, Ruibo
Jenkins, Michael
Klamser, Oliver

McIntosh, James
Roy, Rajeev
Wang, Jing
Zeh, Alexander

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

Elbakoury, Hesham

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

None

802.11 Reciprocal credit

- 802.1 voting members may receive credit for attending any of 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 working group they are accumulating credit for this plenary.

- 802.1 attendance credit will not be granted for a voting member who attended only 802.11 meetings.

January 2024 interim

- NEC Laboratories Europe offer to host ([registration](#))
- Registration fee
  - 700 EUR (early rate, until December 4, 2023)
  - 900 EUR (normal rate, until January 21, 2024)
- In-Person with provisions to support mixed mode
  - Marriott Heidelberg, Heidelberg, Germany
- Date
  - January 22-26, 2024

May 2024 interim

- Offer to co-locate with the 802 wireless group ([information](#))
  - Approved by the WG in March 2023
- Registration fee
  - USD 600/800/1000 (USD 300 hotel discount)
- In-Person with provisions to support mixed mode
  - Warsaw Marriott Hotel, Warsaw, Poland
- Date
  - May 12-17, 2024

September 2024 interim

- Airbus offer to host ([proposal](#))
- 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

May 2025 interim

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

May 2025 interim

- Offer to co-locate with the 802 wireless group
- Registration fee
  - In the usual range
- In-Person with provisions to support mixed mode (tbc)
  - Hilton Prague, Prague, Czech Republic
- Date
  - May 11-16, 2025

Interim sessions

- January 22-26, 2024
  - Hosted by NEC Laboratories Europe in Heidelberg, Germany as in-person session with provisions to support mixed mode
- 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
  - Offer to host by Airbus
    - Date: September 16-20, 2024
    - Hamburg, Germany
- May 2025
  - Offer to host 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
  - Offer to co-locate with the 802 wireless group as in-person session with provisions to support mixed mode (tbc)
    - Date: May 11-16, 2025
    - Location: Prague, Czech Republic

Plenary sessions

- November 12-17, 2023 – Honolulu, HI, USA
  - Hawaiian Village
- March 10-15, 2024 – Denver, CO, USA
  - Hyatt Regency Denver at Colorado Convention Center
- July 14-19, 2024 – Montreal, QC, Canada
  - Sheraton Le Centre Montreal
- November 10-15, 2024 – Vancouver, BC, Canada
  - Hyatt Regency Vancouver
- March 9-14, 2025 – Atlanta, GA, USA
  - Hilton Atlanta
- July 13-18, 2025 – Madrid, Spain
  - Melia Castilla, Madrid Spain (co-located with IETF)
- November 9-24, 2025 – TBD – RFP for North America
- 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 - TBD – RFP for Asia

Straw poll for closing

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

- Yes – 19   No - 14   Did not respond - 14

2. Did you go to the social?

- Yes – 27   No - 5 Did not respond - 16

3. Did you like the social?

- Yes – 12   No - 19   Did not respond - 18

4. Would you prefer lunch to be provided at plenaries (which may increase the meeting fee)?

- Yes – 29   No - 13   Did not respond - 7

Sanity check – current workload

Project	Short Title	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1Qcj	Auto Attach to PBB	RevCom	Approved - Sept 21	D2.5	Publication	Dec '23
802.1CQ	Multicast and Local Address Protocol	PAR extension	TG Ballot	D0.8	TG Ballot	Dec '24
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	RevCom	Approved - Sept 21	D2.2	Publication	Dec '23
802.1Qcz	Congestion Isolation	RevCom	Published - Aug 4	D2.7		Dec '24
60802 (DA)	TSN Profile for Industrial Automation	PAR modification	WG Ballot	D2.1	WG Ballot	Dec '25
802.1DC	QOS provision by network systems	SA Ballot	SA Ballot	D3.0	SA Ballot	Dec '24
802.1Qdd	Resource Allocation Protocol	PAR extension	TG Ballot	D0.7	TG Ballot	Dec '25
802.1DF	TSN Profile for Service Provider Networks	TG ballot	TG ballot	D0.1	PAR expires (admin withdraw)	Dec '23
802.1DG	TSN Profile for Automotive Networks	PAR Extension	TG Ballot	D2.2	TG Ballot	Dec '25
802.1Qdj	TSN Configuration Enhancements	WG Ballot	WG Ballot	D1.1	SA ballot	Dec '25
802.1AEdk	MAC Privacy protection	RevCom	Published - Aug 18	D2.2		Dec '23
802f	EtherType YANG	RevCom	Approved - Sept 21	D2.1	Publication	Dec '23
802.1ASdm	Hot standby	PAR modification	WG Ballot	D1.3	SA ballot conditional	Dec '24
802.1ASdn	Time Synch YANG	SA Ballot conditional	WG Ballot recirc	D1.2	SA Ballot	Dec '24
802.1DP	TSN Profile for Aerospace	TG Ballot	Editor's draft	D1.0	TG Ballot	Dec '24
802.1Qdq	Tspec	TG Ballot	PAR approved	D0.4	TG Ballot	Dec '25
802.1ASdr	Inclusive Language	SA Ballot	SA Ballot	D1.2	RevCom	Dec '25
802.1ASds	Half-duplex support	TG Ballot	PAR approved		TG Ballot	Dec '26
802.1Qdt	PFC MACsec	PAR modification	TG Ballot	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	Editor's draft	D0.3	TG Ballot	Dec '26
802-rev	O&A	WG Ballot	WG Ballot	D1.1	SA ballot	Dec '26
802.1Qdw	Source Flow Control	Nescom	PAR approved		Editor's draft	Dec '26
802.1CS/cor1	LRP corrigendum	SA Ballot	SA Ballot	D2.0	RevCom conditional	Dec '26
802.1Qdx	YANG for CBS	WG Ballot	WG Ballot	D1.0	SA ballot conditional	Dec '27
802.1Q-2022 rev	Bridges and Bridged Networks	Nescom	PAR approved		WG Ballot	Dec '27
802.1AS-2020 rev	Timing and Synchronization	Nescom	PAR approved		WG Ballot	Dec '27
802.1Qdy	YANG for MSTP	WG ballot	Editor's draft	D0.1	WG ballot	Dec '27
8022.1AXdz	YANG for LAG	PAR Development	WG PAR review		NesCom	
8022.1ACea	802.15.16 convergence	PAR Development	WG PAR review		NesCom	
802.1CB/cor1	FRER corrigendum	PAR Development	WG PAR review		NesCom	
802.1ASeb	Announce				PAR Development	

802 EC motion	(yellow)
WG motion	(orange)

802.1 plenary meeting schedule

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

43

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 HT - Tuesday - Ilima Boardroom - Kalia Center
  - Prepare PAR responses, EC consent agenda for Friday EC meeting
- Editors' meetings
  - 19:00 HT - Tuesday - Ilima Boardroom - Kalia Center
  - Sharing of best practices by editors

Subgroup summaries

- [Maintenance TG](#)
  - Including [P802REVc](#)
- [Security TG](#)
- [TSN TG](#)
- [Nendica](#) – Network Enhancements for the Next Decade Industry Connections Activity
- [YANGsters](#)

Maintenance Meetings Summary

- Held two TG meetings November 14th & 15th
  - https://1.ieee802.org/november-2023-plenary-session-maintenance-tg-agenda/
- Comments on 802 PARs under consideration: 802.15.4ad & 802.19.3a
- Reviewed liaisons, including communications regarding UEC and MADINAS
- SA Ballot Comment resolution on P802.1ASdr
- Update on timeline for P802.1Q-2022 Rev
- Reviewed SC6 Status
- Reviewed Maintenance items:
  - 301 – ieee8021QBridgeStaticUnicastReceivePort and ieee8021QBridgeStaticMulticastReceivePort (Withdrawn by commenter)
  - 309 – Preemption in 802.1Q (Target Vehicle: P802.1ACea)
  - 310 – Preemption in 802.1AC (Target Vehicle: P802.1ACea)
  - 312 – Stream ID as a Key for YANG lists P802-REVc comment resolution
- Discussion of comments from 802.11 on 802.1CB-2017/Cor1 PAR
- Discussion of potential MADINAS liaison
- P802-REVc progress
  - Reviewed remaining WG ballot comments
  - Reviewed updated draft to check resolved comments applied correctly

Maintenance – Next Steps

- Electronic meetings will be announced at least 10 days before:
  - To progress P802-REVc
  - To review P802.1CS-2020/Cor1 comments
  - To address other TG matters including but not limited to maintenance items
- Normal Tuesday session planned at January interim session

Agenda – Security

1. [P802.1Qdt Priority-based Flow Control Enhancements](#)

   Draft development

2. [Any Other Business (A.O.B)](#)

6. [Future meetings/teleconferences](#)

IEEE 802.1 TSN TG Summary
IEEE 802 Plenary, November 13-17, 2023

HST Start	HST End	Monday Jul 10	Tuesday Jul 11	Wednesday Jul 12	Thursday Jul 13	Friday Jul 14	PT Start	ET Start	CET Start	JST Start
8:00	8:30	TSN P802.1ASdm	Maintenance TG	TSN P802.1Qdx, P802.1DU	TSN - P802.1DG comment resolution	TSN P802.1DU	10:00	13:00	19:00	3:00
8:30	9:00						10:30	13:30	19:30	3:30
9:00	9:30						11:00	14:00	20:00	4:00
9:30	10:00						11:30	14:30	20:30	4:30
10:00	10:30						12:00	15:00	21:00	5:00
10:30	11:00	Opening plenary	TSN - P802.1DG Time sync, comment resolution	TSN AXdz PAR, liaisons, P802.1Qdd, P802.1Qdv	TSN P802.1ASds, P802.1Qdy, overflow	TSN - IEC/IEEE 60802	12:30	15:30	21:30	5:30
11:00	11:30				TSN - IEC/IEEE 60802		13:00	16:00	22:00	6:00
11:30	12:00			TSN - IEC/IEEE 60802			13:30	16:30	22:30	6:30
12:00	12:30						14:00	17:00	23:00	7:00
12:30	13:00						14:30	17:30	23:30	7:30
13:00	13:30						15:00	18:00	0:00	8:00
13:30	14:00	TSN liaisons, motions, new AS amdmt., P802.1ASdn	TSN P802.1DP/ AS6675, P802.1Qdx	TSN - IEC/IEEE 60802	Closing plenary	TSN - IEC/IEEE 60802	15:30	18:30	0:30	8:30
14:00	14:30			TSN - IEC/IEEE 60802			16:00	19:00	1:00	9:00
14:30	15:00						16:30	19:30	1:30	9:30
15:00	15:30						17:00	20:00	2:00	10:00
15:30	16:00						17:30	20:30	2:30	10:30
16:00	16:30	TSN P802.1ASdm	YANGsters	TSN - IEC/IEEE 60802	Closing plenary	TSN - IEC/IEEE 60802	18:00	21:00	3:00	11:00
16:30	17:00						18:30	21:30	3:30	11:30
17:00	17:30						19:00	22:00	4:00	12:00
17:30	18:00						19:30	22:30	4:30	12:30

- details are available at: https://1.ieee802.org/2023-11-plenary-tsn-agenda

Nendica Session Review, Nov 2023

- Meeting slot Thursday 2022-11-16, 08:00-10:00 HST
- Detailed agenda:
  - https://1.ieee802.org/802-nendica-agenda-2023-11-16
- Vetting and new topics, per contribution
  1. Reference delay based one-way delay measurement
  2. Congestion Signaling (CSIG)
  3. Requirements for AI Fabric
  4. Effective Performance Management in TSN
- Future meetings
  - Thursdays, 08:00-10:00 ET, biweekly beginning 2023-11-30 (request)
- Details:
  - https://1.ieee802.org/802-nendica/

Nendica ICAID

- Extended (Sept 2023) through Sept 2025 ICCom/CAG
- ICCom offered auto-renewal
  - Will be renewed each two years, absent request otherwise
- Saves significant bureaucratic effort
- Per IEEE 802 LMSC Operations Manual, v25 (19 Nov 2021)
  - *ICCom requires the IEEE 802 LMSC to approve the Industry Connections Activity Initiation Document (ICAID).*
  - *A proposed ICAID and supporting documents shall be submitted to the IEEE 802 LMSC … for review …*
  - Since no ICAID is required for auto-renewal, auto-renewal without IEEE 802 authorization appears to be allowed.
  - Would be better to have formal IEEE 802 motion authorizing auto-renewal; e.g.
    - "To endorse future auto-renewals of the IEEE 802 Nendica ICAID"
    - Perhaps with a schedule for reminding the 802 EC each two years.
      - No immediate action needed.

YANGsters Agenda

- https://1.ieee802.org/november-2023-plenary-session-honolulu-hi-usa-yangsters/
- Introduction to YANGsters
  - https://1.ieee802.org/yangsters/
  - https://1.ieee802.org/yangsters/yangsters-guidelines/yangsters-faq/
- Status
  - YANG Status Presentation
    - https://www.ieee802.org/1/files/public/docs2023/yangsters-smansfield-honolulu-status-1123-v01.pdf
  - Blog Post on YANG
    - Request has been submitted (Jodi)
- Recap of YANGsters meetings since New York Interim Meeting
  - BBF Liaison Discussion
  - https://www.ieee802.org/1/files/public/docs2023/yangsters-boyd-scalable-yang-1123-v01.pdf
  - Our original response
    - https://www.ieee802.org/1/files/public/docs2023/liaison-BBF-ONUManagementYANG-0723-v02.pdf

- Constrained YANG Discussion/Update
  - https://www.ieee802.org/1/files/public/docs2023/yangsters-smansfield-sid-yang-1123-v01.pdf
- IEEE 802.3 YANG Update
  - D0.5 completed with 5 comments, D1.0 being discussed at plenary on Thursday, November 16, 14:00 – 17:00 (HST)
  - Files here -> https://www.ieee802.org/3/2/a/comments/index.html
  - Status -> https://www.ieee802.org/3/minutes/nov23/802d3_task_force_802.3.1_802.3.2_opening.pdf
- Request for Next Calls
  - Next call on 5 December, then every two weeks (skipping holidays) until Denver Plenary
  - 5 Dec, 19 Dec, 16 Jan 2024, Heidelberg Interim is week of 22 Jan, so YANGsters meeting will most likely be on 23 Jan
  - Resuming after interim: 30 Jan, 13 Feb, 27 Feb, and 12 March (during Denver Plenary - if usual schedule is kept)
- Any Other Business
  - Use of floating point in YANG

YANGsters Summary

https://1.ieee802.org/yangsters/
https://1.ieee802.org/yangsters/yangsters-guidelines/yangsters-faq/

- YANGsters
  - https://1.ieee802.org/yangsters/
  - https://1.ieee802.org/yangsters/yangsters-guidelines/yangsters-faq/
- Since September Interim 2023
  - Stream split table in IEEE 802.1CBcv-2021 FRER YANG (#364)
    - https://www.ieee802.org/1/files/public/docs2023/cb-dorr-split-table-maint-0364-0923-v01.pdf
    - https://www.ieee802.org/1/files/public/docs2023/new-specht-tpes-0623-v02.pdf
    - Further discussion needed on this maintenance item
  - Bridge Modeling Issues
    - Related to how bridge-ports and interfaces are used, considerations on how to make augmentations easier to do specifically if "when" statement in base model is too restrictive.
      - See https://github.com/samans/draft-ybam-rfc8561bis/issues/19
      - Further discussion in IETF
    - The publication of Qcw will address the issue related to the broken component modeling
      - when statements and XPath updates were needed
  - YANG Scalability Issue
    - https://www.ieee802.org/1/files/public/docs2023/yangsters-boyd-scalable-yang-1123-v01.pdf
    - Continue to consider how to support a restructure of IEEE YANG modules to support a scalable solution.
  - Constrained Environments
    - https://www.ieee802.org/1/files/public/docs2023/yangsters-smansfield-sid-yang-1123-v01.pdf

- To Do
  - Continue the scalability discussion
    - Involve the IETF YANG Doctors and NETMOD/NETCONF Working groups
  - Continue Constrained Environments discussion
    - Determine if RAC is needed
    - Get IETF YANG Doctor support/opinion
  - Discuss how to be better support the Standards publication process for YANG and MIBs (see YANG Validation slide below)

YANG "sanity"

- Published YANG is up to date
- Draft YANG should be reviewed to determine what YANG needs to be updated in repository
- Contact YANGsters if help is needed to validate or interact with the repository

ShortName	Name	github status	Ballot	Draft Ver	YANG Status	Notes
802.1AEdk	MAC Privacy protection	move to pub	Pub			clean-up github
802.1AS-2020 rev	Timing and Synchronization	not created	Editor	None	No YANG	
802.1ASdm	Hot Standby	needs uploaded	WG	D1.3	checked	
802.1ASdn	Timing and Synchronization for Time-Sensitive Applications — Amendment: YANG Data Model	current	WG	D1.2	checked	
802.1ASds	Support for the IEEE Std 802.3 Clause 4 Media Access Control (MAC) operating in half-duplex	not created	Editor	None	No YANG	
802.1AXdz	YANG for LAG	not created	Editor	None	No YANG	
802.1CS-2020/Cor1	Link-local Registration Protocol (LRP)	needs uploaded	WG	D2.0	checked	
802.1DC	Quality of Service Provision by Network Systems	needs uploaded	WG	D3.0	checked	2.2 -> 3.0 no yang change
802.1DG	TSN Profile for Automotive In-Vehicle Ethernet Communications	not created	TG	D2.2	No YANG	
802.1DP	TSN for Aerospace Onboard Ethernet Communications	not created	Editor	D1.0	No YANG	
802.1DU	Cut-thorough forwarding	not created	Editor	D0.2	No YANG	
802.1Q-2022rev	Q-rev	not created	Editor	None	No YANG	current Qdj-d1.2
802.1Qcj	LLDP extension tlv for auto attach	current	Pub	D2.5	checked	
802.1Qcw	Amendment: YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing	current	SA	D2.2	checked	
802.1Qcz	Amendment: Congestion Isolation	move to pub	Pub			clean-up github
802.1Qdd	Resource Allocation Protocol	not created	TG	D0.7	No YANG	
802.1Qdj	Amendment: Configuration Enhancements for Time-Sensitive Networking	needs uploaded	WG	D1.3	checked	
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	D0.3	No YANG	
802.1Qdw	Source Flow Control	not created	Editor	None	No YANG	
802.1Qdx	YANG for CBS	needs uploaded	WG	D1.0	checked	
802.1Qdy	YANG for MSTP	not created	Editor	D0.1	No YANG	
802f	YANG Data Model for Ethertypes	current	SA	D2.4	checked	
IEEE1588e	Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: MIB and YANG Data Models	current	SA	D1.3	checked	
IEC/IEEE 60802	Industrial Automation	not created	WG	D2.1	No YANG	

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

Liaison Resources

- IEEE 802.1 Liaison Page
  - https://1.ieee802.org/liaisons/
  - Liaison Table (https://1.ieee802.org/liaisons/liaisontable/)
- IEEE 802 SA Liaison List for IEEE 802.1
  - https://ieee-sa.imeetcentral.com/802liaisondb/FrontPage
- IEEE Draft Sharing page is maintained by IEEE SA
  - Must confirm organizations outside IEEE SA are on the list before sharing any draft standard.

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.

- ## Liaison Relationship for 802:
  - Internet Engineering Task Force (IETF)
    - Coordinator: Dorothy Stanley
  - ISO/IEC JTC 1/SC 6 Telecommunications & info exchange between systems
    - Coordinator: Peter Yee

- ## Joint work with 802.1 (not liaison relationships):
    - IEC TC 65 SC65C/WG18
    - SAE AS-1 A2

- ## Liaison Relationship for 802.1:
  - None for now

Incoming Liaisons

- [Liaison reply](#) from IEEE 802.3 to **Ultra Ethernet Consortium** (UEC) – IEEE 802.1 is copied for information [TSN]

- [Liaison](#) from **ITU-T JCA**: LS on Invitation to update the information in the IMT2020 roadmap [Maintenance]

Outgoing Liaisons

- Motions to send Liaison Statements:
  - Approve sending liaison to IETF Deterministic Networking (DetNet) WG.
    - https://www.ieee802.org/1/files/public/docs2023/liaison-IETF-DetNet-status-update-1123-v01.pdf
  - Approve sending liaison to IETF madinas WG on Randomized and Changing MAC Address
    - https://www.ieee802.org/1/files/public/docs2023/liaison-IETF-madinas-1123.pdf
- Liaison Motions for ISO/IEC JTC1/SC6:
  - Approve submission of the comment responses to SC6 for ballot comments received on IEEE Std 802.1AEdk and IEEE Std 802.1Qcz
    - https://www.ieee802.org/1/files/public/docs2023/liaison-randall-SC6CommentResponseQcz-1123.pdf
    - https://www.ieee802.org/1/files/public/docs2023/liaison-randall-SC6CommentResponseAEdk-1123.pdf
  - Approve liaison sending drafts to SC6 for information, after the SA ballot starts: IEEE P802.1Qdj, IEEE P802.1Qdx, IEEE P802.1ASdm, IEEE P802-REVc
  - Approve liaison sending drafts to SC6 for adoption, when published: IEEE 802.1ASdr, IEEE 802.1CS-2020/Cor1

Promotion

- IEEE SA marketing collateral
    - [TSN automotive](#), [TSN industrial](#)
    - [TSN logo](#)
- Press releases, blog posts, articles
    - YANG blog post – Done 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](#) – Sept 27-28, 2023 – Ludwigsburg / Stuttgart
    - Ethernet/IP day – Sept 19, 2023

802.1 PARs this session

- 802.1CB-2017/Cor1 - FRER Corrigendum 1, PAR

- 802.1ACea - Amendment - Support for IEEE Std 802.15.6 , PAR and CSD

- 802.1AXdz - Amendment - YANG for Link Aggregation , PAR and CSD

Normal session process

- Pre-circulation of PARs
  - October 11
- *Maintenance TG prepares 802.1 comments*
  - November 14 at 6:30pm ET
- 802.1 response to other WG comments
  - November 15 at 6:30pm ET
- EC approval
  - November 17

Other 802 PARs this session

- 802.15.4ad - Amendment - Data rate and range extensions to IEEE 802.15.4 Smart Utility Network (SUN) Physical layer (PHY), PAR and CSD
  - 802.1 comments
- 802.19.3a - Recommended Practice Amendment: Enhanced sub-1GHz Coexistence , PAR and CSD
  - 802.1 comments

WG Member Voting

- Access the web voting tool via the "Voting Member – Cast your vote" link on the 802.1 November 2023 plenary session page

- When asked to sign in, use your IEEE Account user name and password

- Click the **Enter Meeting** for IEEE 802.1 Closing Plenary – November 2023

- Motions will be opened, and visible under the "Open" tab after being announced.

- Click on **Vote** for motions currently requiring your vote

- Make your vote selection and click **Submit** to record your vote

- Keep the "*DirectVoteLive*" browser open during the meeting

802.1 consent agenda items for LMSC Closing Plenary

November 2023

(V3 – 802.1 version #)

Agenda

- **Drafts to SA Ballot**
  - 5.0? – P802.1Qdj
  - 5.0? – P802.1ASdn
  - 5.0? – P802.1ASdm
  - 5.0? – P802.1Qdx
- **Drafts to RevCom**
  - 5.0? – P802.1ASdr
  - 5.0? – P802.1CS-2020/Cor1
- **PARs to NesCom**
  - 5.0? – P802.1ACea
  - 5.0? – P802.1CB-2017/Cor1
  - 5.0? – P802.1AXdz

EEE 802

Agenda

- **Liaisons and external communications (ME)**
  - 7.0? – Approve liaison of drafts for information to ISO/IEC JTC1/SC6 under the PSDO agreement
  - 7.0? – Approve liaison of drafts for adoption to ISO/IEC JTC1/SC6 under the PSDO agreement
  - 7.0? – Approve responses to ballot comments received from SC6 on FDIS and CIB ballots

- **Liaisons and external communications (II)**
  - 7.0? – Approve 802.1 communication to IETF DetNet

EEE
802

802.1 Motions
2023-11

Consent Agenda

Drafts to SA Ballot

EEE 802

Motion

- Approve sending P802.1Qdj D2.0 to Standards Association ballot

- Confirm the CSD for P802.1Qdj in https://mentor.ieee.org/802-ec/dcn/19/ec-19-0139-00-ACSD-p802-1qdj.pdf

- P802.Qdj D1.3 had 100% approval at the end of the last WG ballot

  - In the WG, Proposed: Stephan Kehrer, Second: János Farkas

    – Sending draft (y/n/a): 34 – 0 – 1

    – CSD (y/n/a): 34 – 0 – 1

  - In EC, mover: Glenn Parsons,   Second: Roger Marks

    – (y/n/a): <y>,<n>,<a>

EEE 802

Supporting Information P802.1Qdj

- WG ballot closed: 15 October 2023
- All WG ballot requirements are met
- The ballot resulted in
  - 0 Disapprove votes
  - 0 Must Be Satisfied (MBS) comments
- Comment resolution available here: https://ieee802.org/1/files/private/dj-drafts/d1/802-1Qdj-d1-3-dis-v01.pdf

Ballot results:

CATEGORY	All respondents	
	TOTAL	%
Yes	46	100%
No	0	0%
Voting Yes or No	46	74.19
Abs. Time	0	0.00%
Abs. Expertise	16	25.81%
Abs. Other	0	0,00%
Respondents	62	
Voting members	73	
Non-voting commenters	0	
No. of commenters	3	
No. of comments	15	

Motion

- Approve sending P802.1ASdn D2.0 to Standards Association ballot
- Confirm the CSD for P802.1ASdn in https://mentor.ieee.org/802-ec/dcn/20/ec-20-0202-00-ACSD-p802-1asdn.pdf
- P802.ASdn D1.2 had 98% approval at the end of the last WG ballot
  - In the WG, Proposed: János Farkas, Second: Ludwig Winkel
    - Sending draft (y/n/a): 34 – 0 – 2
    - CSD (y/n/a): 34 – 0 – 1
  - In EC, mover: Glenn Parsons,   Second: Roger Marks
    - (y/n/a): <y>,<n>,<a>

EEE
802

Supporting Information P802.1ASdn

- WG ballot closed: 28 October 2023
- All WG ballot requirements are met
- The ballot resulted in
  - 1 outstanding Disapprove votes
  - 1 outstanding Must Be Satisfied (MBS) comments
- Comment resolution available here: https://ieee802.org/1/files/private/asdn-drafts/d1/802-1ASdn-d1-2-dis-v01.pdf

Ballot results:

Category	All respondents	
	Total	%
Approve	43	97,73%
Dissapprove	1	2,27%
Voting Approve or Disapprove	44	70,97%
Abstain (Lack of Expertise)	17	27,42%
Abstain (Lack of Time)	1	1,61%
Abstain (Other)	1	1,61%
Respondents	62	
Voting members	73	
Non-Voting commenters	0	
Number of commenters	3	
Number of comments	16	

EEE 802

Supporting Information P802.1ASdn

- 1 disapprove vote associated with 1 MBS comment is maintained from the initial WG ballot on D1.0

- https://ieee802.org/1/files/private/asdn-drafts/d1/802-1ASdn-d1-0-dis.pdf

CI **18**	SC **18.7**		P **33**	L **29**	# 20

Seaman, Mick   Mick Seaman

Comment Type **TR**   Comment Status **R**   21,6,20

As described in preceding clauses (18.1 onwards) the ieee802-dot1as-ptp.yang module imports (as a whole) the ieee1588-ptp.yang module. The text at pg 33 line 29 makes it clear that is to be done by a URL reference to the YANG module. YANG modules are identified by name, and that name does not change when the module is updated. While the reference is stated to be to the "published" module, that "published" module can be changed without reference to IEEE Std 802.1AS. Changes to the ieee1588-ptp.yang module could therefore make prior conformant ieee802-dot1as-ptp.yang module implementations non-conformant (omitting new mandatory features) or apparently obsolete (by depending on some 1588 leaf which has been moved to "obsolete" status. There appears to be nothing in Clause 5 Conformance to identify the specific date/revision of a claim of conformance, or to support such dating in the PICS, or to address the issue of a valid implementation becoming out of conformance. This problem can in part be addressed by such provisions in this standard, but will also require some support in the retention (and identification of) successive revision of the 1588 module.

SuggestedRemedy

Address this issue in both the Conformance clause (allowing/requiring claims to specify exactly what 1588 published module revision is is being used) and in the PICS.

Response   Response Status **C**

REJECT.

IEEE 802.1AS does not explicitly prohibit use of optional features from IEEE 1588 amendments and revisions. There are products in the field that support such features. This request would bring inconsistent conformance for YANG features of IEEE 1588 compared to non-YANG features of IEEE 1588.

In addition, IEEE 1588 and IEEE 802.1AS have joint membership to facilitate communication, and there is trust that IEEE 1588 will not break compatibility in the future. Note that compatibility is not limited to YANG, and not limited to IEEE 1588.

Therefore, ieee1588-ptp.yang continues to use the import without a specific revision, and the P802.1ASdn PDF does not limit ieee1588-ptp.yang to a specific revision.

Motion

- Conditionally approve sending P802.1ASdm D2.0 to Standards Association ballot
- Confirm the CSD for P802.1ASdm in https://mentor.ieee.org/802-ec/dcn/20/ec-20-0093-01-ACSD-p802-1asdm.pdf
- P802.ASdm D1.3 had 94% approval at the end of the last WG ballot
  - In the WG, Proposed: Geoffrey Garner, Second: János Farkas
    - Sending draft (y/n/a): 35 – 3 – 3
    - CSD (y/n/a): 36 – 2 – 3
  - In EC, mover: Glenn Parsons,   Second: Roger Marks
    - (y/n/a): <y>,<n>,<a>

EEE 802

Supporting Information P802.1ASdm

- WG ballot closed: 27 October 2023
- All WG ballot requirements are met
- The ballot resulted in
  - 3 outstanding Disapprove votes
  - 3 outstanding Must Be Satisfied (MBS) comments
- Comment resolution available here: https://ieee802.org/1/files/private/asdm-drafts/d1/802-1ASdm-d1-3-dis-v01.pdf
  Recirculation ballot will be conducted during November/December with comment resolution in TSN TG meetings.
  A possible final recirculation in January/February if required with comment resolution in TSN TG meetings.

Ballot results:

Category	Total	Percentage
Yes	48	94.12
No	3	5.88
Abstain	14	21.54
No. of Voters	73	100.00
Voters responding	65	89.04
Non-voters responding	1	

EEE 802

Supporting Information P802.1ASdm

- Voters maintaining Disapprove vote
  - Christian Boiger
  - Johannes Specht
    - Wants to see the subsequent drafts
  - Max Turner

EEE
802

Supporting Information P802.1ASdm

- Outstanding MBS comments associated with Disapprove vote from D1.1 (802-1ASdm-d1-1-dis-v01.pdf)

P802.1ASdm/D1.1 ... nd Synchronization for Time-Sensitive Applications Amendment: Hot Standby Initial Working Group ballot (... P802.1ASdm/D1.1

CI 5 **SC** 5.4.1 **P** 22 **L** 17 **#** 122

Boiger, Christian Infineon Technologies AG

Comment Type TR **Comment Status** R

This comment is on comment response to comment 143 of D1.0. "The scope of the PAR addresses those changes and extensions required to make hot standby work in an appropriately configured network. These necessarily include changes that would defeat compatibility with plug-and-play networks and other networks without support of hot standby."

This statement is incorrect even without these changes hot standby would work in networks not using the "plug-and-play" functions of the standard. externalPortConfigurationEnabled=TRUE is an valid and allowed configuration even without these changes on all domains incl. domain 0.

SuggestedRemedy

Revert the changes or change the scope of the project to include these changes, i.e. include in the scope to add the concept of profiles.

Response **Response Status** U

REJECT. Group 122, 125, 124, 79, 128.

The changes are necessary for the implementation of hot standby without the need to implement BMCA in targeted application networks, including industrial control and aerospace, where validation and certification are important considerations.

CI 5 **SC** 5.4.1 **P** 22 **L** 17 **#** 125

Boiger, Christian Infineon Technologies AG

Comment Type TR **Comment Status** R

This is a pile-on to comment 50 of D1.0. The changes of mandatory behavior is not covered by the scope of the amendment.

SuggestedRemedy

Implement the proposed changes.

Response **Response Status** U

REJECT. Group 122, 125, 124, 79, 128.
The changes are necessary for the implementation of hot standby without the need to implement BMCA in targeted application networks, including industrial control and aerospace, where validation and certification are important considerations.

CI 8 **SC** 8.1 **P** 33 **L** 21 **#** 128

Boiger, Christian Infineon Technologies AG

Comment Type TR **Comment Status** R

This change is not covered by the scope of the project. In addition it is unclear why it is necessary to make domain 0 optional and in addition to change the behavior of domain 0.

SuggestedRemedy

Revert the change or change the scope of the project. Please clarify why it is necessary to change the behavior of domain 0 as well as make domain 0 optional.

Response **Response Status** U

REJECT. Group 122, 125, 124, 79, 128. The changes are necessary for the implementation of hot standby without the need to implement BMCA in targeted application networks, including industrial control and aerospace, where validation and certification are important considerations.

EEE 802

Motion

- Conditionally approve sending P802.1Qdx D2.0 to Standards Association ballot

- Confirm the CSD for P802.1Qdx in https://mentor.ieee.org/802-ec/dcn/23/ec-23-0075-00-ACSD-p802-1qdx.pdf

- P802.Qdx D1.0 had 81% approval at the end of the last WG ballot

  - In the WG, Proposed: János Farkas, Second: Jordon Woods
    - Sending draft (y/n/a): 30 – 2 – 8
    - CSD (y/n/a): 30 – 1 – 9

  - In EC, mover: Glenn Parsons,   Second: Roger Marks
    - (y/n/a): <y>,<n>,<a>

EEE 802

Supporting Information P802.1Qdx

- WG ballot closed: 13 November 2023
- All WG ballot requirements are met
- The ballot resulted in
  - 7 Disapprove votes
  - 12 outstanding Must Be Satisfied (MBS) comments
- Comment resolution available here: https://ieee802.org/1/files/private/dx-drafts/d1/802-1Qdx-d1-0-dis-v01.pdf
- Recirculation ballot will be conducted during November/December with comment resolution in TSN TG meetings. A possible final recirculation in January/February if required with comment resolution in TSN TG meetings.

Ballot results:

CATEGORY	All respondents	
	TOTAL	%
Yes[a]	29	81
No	7	19
Voting Yes or No	36	63
Abstain Expertise	18	32
Abtain Time	1	2
Abstain Other	2	4
Respondents[b]	57	80
Voters	57	
Liaisons responding	0	
No. of commenters	11	19
No. of comments	55	

802

Supporting Information P802.1Qdx

- **Voters maintaining Disapprove vote**
  - Christian Boiger
  - Paul Bottorff
  - Marina Gutierrez
  - Hiroki Nakano
  - Jessy Rouyer
  - Michael Seaman
  - Johannes Specht
- **MBS comments are on the following slides**
  - (commenter was not present during comment resolution)

EEE 802

IEEE P802.1Qdx   IEEE P802.1Qdx D1.0 YANG for CBS Initial Working Group ballot comments   Comment Disposition

---

Cl 00   **SC** 0   **P**   **L**   **#** 2

Seaman, Mick   Mick Seaman

Comment Type **ER**   **Comment Status** **A**

Throughout 802.1Q, "credit-based shaper" is not capitalized, except when it occurs at the beginning of a sentence or title, in which case "Credit-based shaper" is used.

SuggestedRemedy

Correct capitalization throughout as indicated, with the exception of the title of the amendment where "Credit-based Shaper" or "Credit-Based Shaper" should be used (the IEEE has recently decided on maximal capitalization in standard/amendment titles, which rule is inconsistent with usage elsewhere :-).

Response   **Response Status** **W**

ACCEPT.

Cl 12   **SC** 12.34   **P** 17   **L** 3   **#** 3

Seaman, Mick   Mick Seaman

Comment Type **ER**   **Comment Status** **A**

Do not use "Credit-Based Shaping" in the clause title, elegant variation adds no value here.

SuggestedRemedy

Retitle 12.34 as "Managed objects for the credit-based shaper" or "Managed objects for the credit-based shaper". Note that the clause number will now be 12.35 or later. Similarly retitle B.21 as "Credit-based shaper" .

Response   **Response Status** **W**

ACCEPT IN PRINCIPLE.

Delete clause 12.34

Retitle B.21 as "Credit-based shaper"

Cl 00   **SC** 0   **P** 1   **L** 4   **#** 4

Seaman, Mick   Mick Seaman

Comment Type **ER**   **Comment Status** **A**

The final text of this line will be "Amendment to IEEE Std 802.1Q-2022 as amended by IEEE Std 802.1Qcz-2023, IEEE Std 802.1Qcw-2023, IEEE Std 802.1Qcj-2023 and IEEE Std 802.1Qdj-2023" assuming no other amendments intervene. I suggest that we spell out the amendments in this format to avoid any unnecessary discussion in MEC - with one caveat: if there are amendments in the list that have not completed pre-publication editing they should be show as P802.1Q<xx>/Dn.n so that this line clearly states what the current base is and there is no confusion with final text prepared after prior amendments complete pre-publication editing.

SuggestedRemedy

As per comment.

Response   **Response Status** **W**

ACCEPT IN PRINCIPLE.

Amendment to IEEE Std 802.1Q-2022 as amended by IEEE Std 802.1Qcz-2023, IEEE Std 802.1Qcw-2023, and IEEE Std 802.1Qcj-2023

Cl 00   **SC** 0   **P**   **L**   **#** 5

Seaman, Mick   Mick Seaman

Comment Type **ER**   **Comment Status** **A**

The wording of the Abstract is not accurate. YANG data models already allow configuration and status for bridges and end stations with credit-based shaper capabilities, they just cover other capabilities.

Even if the current words are include a quote from PAR text literal quoting is not an absolute requirement. We should also include Qdj in the list (guessing a 2024 publication date for now).

SuggestedRemedy

Replace the Abstract with:

"This amendment to IEEE Std 802.1Q-2022 as amended by IEEE Std 802.1Qcz-2023, IEEE Std 802.1Qcw-2023, IEEE Std 802.1Qcj-2023, and IEEE Std 802.1Qdj-2024 specifies YANG data models that support configuration and status reporting for credit-based shaper capabilities in bridges and end stations."

Response   **Response Status** **W**

ACCEPT IN PRINCIPLE.

"This amendment to IEEE Std 802.1Q-2022 as amended by IEEE Std 802.1Qcz-2023, IEEE Std 802.1Qcw-2023, and IEEE Std 802.1Qcj-2023 specifies a YANG data model that supports configuration and status reporting for credit-based shaper capabilities in bridges and end stations."

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   **Comment ID** 5   Page 1 of 3
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn   11/15/2023 2:08:50 PM
SORT ORDER: Comment ID

Supporting Information P802.1Qdx

CI 00   **SC 0**   **P 4**   L   # 6

Seaman, Mick   Mick Seaman

Comment Type   **ER**   *Comment Status*   **A**

The boiler-plate "Important Notices .." has been recently updated by the IEEE, with significant changes to the "IMPORTANT NOTICE" at the end of the section. To avoid problems in MEC, and potentially in the WG, this should be updated.

SuggestedRemedy

I suggest that the whole text of the amendment be merged back into the in progress 802.1Q source base before a final WG recirculation ballot. Apart from detecting any discrepancies/mismatches before entering SA Ballot, this will clean up proforma items such as boiler plate text with minimum effort.

Response   *Response Status*   **W**

ACCEPT.

CI 00   **SC 0**   **P 10**   L   # 7

Seaman, Mick   Mick Seaman

Comment Type   **ER**   *Comment Status*   **A**

The capitalization of the amendment name in the text should be changed to match that used in the box above and the amendment title.

SuggestedRemedy

As per comment.

Response   *Response Status*   **W**

ACCEPT.

CI 48   **SC 48.5**   **P 21**   L 15   # 9

Seaman, Mick   Mick Seaman

Comment Type   **ER**   *Comment Status*   **A**

48.5.27 is incorrectly named "-cbs" is missing.

SuggestedRemedy

Correct it.

Response   *Response Status*   **W**

ACCEPT IN PRINCIPLE.

Delete 48.5.27

CI 48   **SC 48.6**   **P 23**   L 34   # 10

Seaman, Mick   Mick Seaman

Comment Type   **TR**   *Comment Status*   **A**

The references from this (and the following) YANG modules are not simply to text in the present amendment. The references need to be stated in a way that does not obsolete them when a 802.1Q revision has subsumed this amendment, with possible changes to the referenced text from subsequent that does not invalidate the module's references. This has/is being done for approved standards 802.1Qcw and 802.1Qcj and the same model should be followed for this amendment.

SuggestedRemedy

Replace the first revision statement of each of the new modules with the following (retabbing appropriately). Prior amendments can be omitted from the list if they definitely do not include material used or referenced (even indirectly), though caution is urged in any omission. Reference statements within the body of the module should then be to <n.n..> of IEEE Std 802.1Q, without any following date.

revision <date> {
description
"Published as part of IEEE Std 802.1Qdx-2024.
The following reference statement identifies each referenced IEEE
Standard as updated by applicable amendments.";
reference
"IEEE Std 802.1Q Bridges and Bridged Networks:
IEEE Std 802.1Q-2022, IEEE Std 802.1Qcz-2023, IEEE Std 802.1Qcw-2023,
IEEE Std 802.1Qcj-2023, IEEE Std 802.1Qdj-2024, IEEE Std 802.1Qdx-2024.";
}

Response   *Response Status*   **W**

ACCEPT IN PRINCIPLE.

Replace the first revision statement of each of the new modules with the following (retabbing appropriately). Prior amendments can be omitted from the list if they definitely do not include material used or referenced (even indirectly), though caution is urged in any omission. Reference statements within the body of the module should then be to <n.n..> of IEEE Std 802.1Q, without any following date.

Revision <date> {
description
"Published as part of IEEE Std 802.1Qdx-2024.
The following reference statement identifies each referenced IEEE
Standard as updated by applicable amendments.";
reference
"IEEE Std 802.1Q Bridges and Bridged Networks:
IEEE Std 802.1Q-2022, IEEE Std 802.1Qcz-2023, IEEE Std 802.1Qcw-2023,
IEEE Std 802.1Qcj-2023, IEEE Std 802.1Qdx-2024.";
}

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID   *Comment ID* **10**   Page 2 of 3
11/15/2023 2:08:50 PM

IEEE 802

Supporting Information P802.1Qdx

CI 48   *SC* 48.6.27   *P* 26   *L* 2   # 52

Gutiérrez, Marina   L-Acoustics

Comment Type   **TR**   *Comment Status* **A**

This amendment provides two YANG models for CBS (one augmenting bridge-port and the other augmenting directly ietf-interfaces) with the intention of supporting both bridge and end-station implementations. This would make CBS the only 802.1Q mechanism for which this "ad-hoc end-station YANG support" is provided.

The risk of this addition is that it can be interpreted as if "end-station YANG support" is an exclusive feature of CBS, and technically not possible for other 802.1Q mechanisms, which is not true. The way YANG models were re-structured (base grouping + attachment to bridge-port) was precisely intended to enable end-station support as well as support for other type of devices.

SuggestedRemedy

Possible solutions:

A) add "add-hoc end-station YANG support" (YANG model augmenting IETF interfaces) for all the other 802.1Q mechanisms for which this can be applied.

B) remove "add-hoc end-station YANG support" (YANG model augmenting IETF interfaces) and add a sub-clause or an annex explaining how end-station YANG support can be achieved with the existing base YANG models, and the list of 802.1Q mechanisms for which this can be applied.

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

remove "end-station YANG support"

CI 48   *SC* 48.3.12   *P* 19   *L* 5   # 53

Gutiérrez, Marina   L-Acoustics

Comment Type   **ER**   *Comment Status* **A**

This section contains a single Table (48-9) listing the YANG modules needed to implement the CBS model in a bridge. There is no analogous table for end-station implementations.

SuggestedRemedy

If YANG model augmenting IETF interfaces is kept, add table with the YANG modules needed for a CBS end-station implementation

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

Remove YANG model augementing IETF interfaces

CI 48   *SC* 48.2.14   *P* 18   *L* 11   # 54

Gutiérrez, Marina   L-Acoustics

Comment Type   **ER**   *Comment Status* **A**

Inconsistent with Clause 12.34.1 (P17L8): "... per Port of a Bridge component or end station" vs "... per Port of a Bridge component".

SuggestedRemedy

Make both lines consistent. Note that mentioning both (bridge and end station) will make it more consistent with the YANG modules currently in this amendment, but it will be inconsistent with other sub-clauses in Clause 12, for example 12.29.1.

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

Remove YANG model augmenting IETF interfaces.

Delete reference to end station.

CI 48   *SC* 48.2.14   *P* 18   *L* 13   # 55

Gutiérrez, Marina   L-Acoustics

Comment Type   **ER**   *Comment Status* **A**

This section contains a single Figure (48-23) with the UML-like model for a CBS bridge implementation. There is no analogous figure for end-station implementations.

SuggestedRemedy

If YANG model augmenting IETF interfaces is kept, add figure with the UML-like model for a CBS end-station implementation

Response   *Response Status* **W**

ACCEPT IN PRINCIPLE.

Remove YANG model augmenting IETF interfaces.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID   *Comment ID* **55**   Page 3 of 3
                                                                        11/15/2023 2:08:50 PM

EEE 802

802.1 Motions
2023-11

Consent Agenda

Drafts to RevCom

EEE 802

Motion

- Approve sending P802.1ASdr to RevCom
- Approve CSD documentation in https://mentor.ieee.org/802-ec/dcn/21/ec-21-0097-00-ACSD-p802-1asdr.pdf
- P802.1ASdr had 97% approval at the end of the last SA ballot
  - In the WG, Proposed: Mark Hantel, Second: Silvana Rodrigues
    - Sending draft (y/n/a): 37 – 1 – 2
    - CSD (y/n/a): 37 – 1 – 0
  - In EC, mover: Glenn Parsons,   Second: Roger Marks
    - (y/n/a): <y>,<n>,<a>

EEE 802

Supporting Information P802.1ASdr

- SA recirculation ballot closed: 29 October 2023

- All SA ballot requirements are met

- The ballot resulted in

  - 176 comments for SA initial ballot

    - 2 outstanding Disapprove votes

    - 172 outstanding Must Be Satisfied (MBS) comments

  - 2 comments for the SA recirculation

    - No MBS comments

- Final Comment resolution available here:

  https://www.ieee802.org/1/files/private/dr-drafts/d1/802-1ASdr-d1-2-sa-recirc1-dis-V00.pdf

Ballot results:

Ballot Summary

Open Date: 19 Oct 2023   Close Date: 29 Oct 2023   Status: Closed
Draft Number: 1.2   Meets Editorial Requirements: Yes

Ballot Group Members: 90   Ballot Stage: Recirculation 1
Minimum should be 10

Return Ballots: (72) 80%
Minimum return rate is 75%

Abstentions: (2) 2%
Abstention must be below 30%

Approval Rate: 97%
Approval rate must be at least 75%

Votes counted in approval rate		Votes not counted in approval rate	
Approve	68	Disapprove Without MBS Comment(s)	0
Disapprove With MBS Comment(s)	2	Abstentions	2
Total	70	Total	2
Total Votes	72	Total Comments	2

The vote tally for "Disapprove With MBS Comment(s)" = current Disapprove votes for which an MBS (Must Be Satisfied) comment existed in any round of balloting.

EEE 802

Supporting Information P802.1ASdr

- **2 disapprove votes associated with 172 MBS comments maintained from the initial SA ballot on D1.2**
  - Rejected comments to the right.
  - One commenter added one comment (e.g. I-7) for each of the many instances of "Grandmaster" in the draft

- **Both disapprove votes are maintained from the initial SA ballot**

| Cl **7** | SC **7.2.2** | P **22** | L **5** | # I-7 |

Rolfe, Benjamin   Blind Creek Associates

Comment Type **TR**   *Comment Status* **R**

"Grandmaster" contains "master"

SuggestedRemedy

Replace "Grandmaster" with "SuperiorTimeTransmitter"

Response   *Response Status* **W**

REJECT.

This and other comments are proposing different replacements for "Grandmaster"; however, section 5.2.b of P802.1ASdr PAR states:
"Scope of the project:
This amendment changes the non-inclusive, insensitive, and deprecated terminology including those identified by IEEE P1588g and IEEE editorial staff, replacing them with their suitable terminology wherever possible."

For consistency with the P802.1ASdr PAR and the now published IEEE Std 1588g-2022 that recommends not changing "Grandmaster", do not change "Grandmaster".

| Cl **0** | SC **0** | P | L | # I-176 |

Huntley, C   SEL

Comment Type **TR**   *Comment Status* **R**

All instances need to be aligned.

SuggestedRemedy

Change "TimeReceiverr" to "PtpTimeReceiver"
Change "TimeTransmitter" to "PtpTimeSource"
Change "Grandmaster" to "GrandPtpTimeSource"
Change "BTCA" to "BPTSA"

Response   *Response Status* **W**

REJECT.

This and other comments are proposing different replacements for "Grandmaster", "BMCA", "Slave" and "Master"; however, section 5.2.b of P802.1ASdr PAR states:

"Scope of the project:
This amendment changes the non-inclusive, insensitive, and deprecated terminology including those identified by IEEE P1588g and IEEE editorial staff, replacing them with their suitable terminology wherever possible."

For consistency with the P802.1ASdr PAR and the now published IEEE Std 1588g-2022 that recommends "TimeReceiver" instead of "Slave", "TimeTransmitter" instead of "Master", "BTCA" instead of "BMCA", and not changing "Grandmaster", do not change "TimeReceiver", "TimeTransmitter", "BTCA", and "Grandmaster" respectively.

Supporting Information P802.1ASdr

- Initial SA ballot
    - 2 Disapprove vote maintained (Benjamin Rolfe, C. Huntley)
    - 172 MBS comments
    - https://www.ieee802.org/1/files/private/dr-drafts/d1/802-1ASdr-d1-2-dis-v00.pdf
- First recirculation ballot
    - 2 comments
    - https://www.ieee802.org/1/files/private/dr-drafts/d1/802-1ASdr-d1-2-sa-recirc1-dis-V00.pdf

EEE 802

Motion

- Conditionally approve sending P802.1CS-2020/Cor1 to RevCom

  - Note: there is no CSD statement since this maintenance project is not intended to provide any new functionality

- P802.1CS-2020/Cor1 had 100% approval at the end of the last SA ballot

  - In the WG, Proposed: Mark Hantel, Second: Norm Finn

    – Sending draft (y/n/a): 38 – 0 – 2

  - In EC, mover: Glenn Parsons,   Second: Roger Marks

    – (y/n/a): <y>,<n>,<a>

EEE 802

Supporting Information P802.1CS/Cor1

- SA ballot closed:
  - 15 November 2023
- All SA ballot requirements are met
- The ballot resulted in
  - 0 Disapprove votes
  - 3 comments

Ballot Results

Ballot Stage [Initial Ballot ▾]

Open Date: 16 Oct 2023 **Close Date:** 15 Nov 2023 **Status:** Open
Draft Number: 2.0 ☐ Meets Editorial Requirements ⓘ

Ballot Group Members 63
Minimum should be 10

Return Ballots: (51) 80%
Minimum return rate is 75%

Abstentions: (2) 3%
Abstentions must be below 30%

Approval Rate: 100%
Approval rate must be at least 75%

Votes counted in approval rate:		Votes not counted in approval rate:	
Approve	49	Disapprove Without MBS Comment(s)	0
Disapprove With MBS Comment(s)	0	Abstentions	2
Total	49	Total	2

Total Votes:	51	Total Comments:	3

- Ballot comment resolution will be held on Maintenance TG meetings in November/December.
- Recirculation ballot will be conducted during December/January comment resolution in Maintenance TG meetings. A possible final recirculation in February if required with comment resolution in Maintenance TG meetings.

IEEE 802
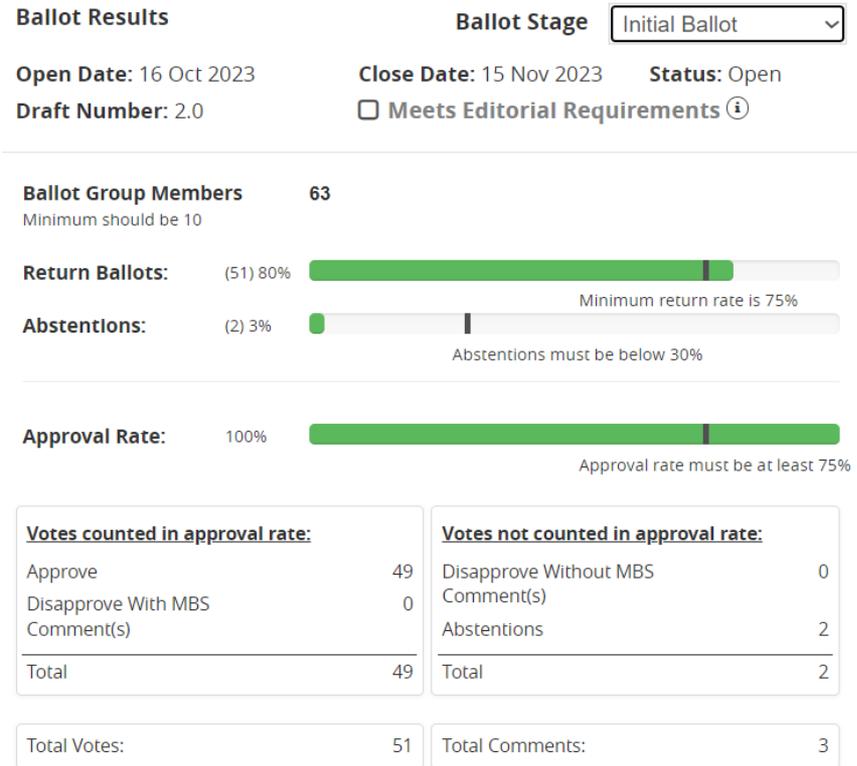
802.1 Motions
2023-11

Consent Agenda

PARs to NesCom

EEE
802

Motion

- Approve forwarding P802.1ACea PAR documentation in https://www.ieee802.org/1/files/public/docs2023/ea-PAR-1123-v01.pdf to NesCom

- Approve CSD documentation in https://www.ieee802.org/1/files/public/docs2023/ea-CSD-1123-v01.pdf

- In the WG, Proposed: Mark Hantel, Second: Jessy Rouyer

  – Sending draft (y/n/a): 33 – 1 – 6

  – CSD (y/n/a): 33 – 0 – 7

- In EC, mover: Glenn Parsons,   Second: Roger Marks

  – (y/n/a): <y>,<n>,<a>

EEE 802

Motion

- Approve forwarding P802.1CB-2017/Cor1 PAR documentation in https://www.ieee802.org/1/files/public/docs2023/cb-cor1-PAR-1123-v01.pdf to NesCom

  - Note: there is no CSD statement since this maintenance project is not intended to provide any new functionality

- In the WG, Proposed: Mark Hantel, Second: Norm Finn
  - Sending draft (y/n/a): 36 – 1 – 3

- In EC, mover: Glenn Parsons,   Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

EEE
802

Motion

- Approve forwarding P802.1AXdz PAR documentation in https://www.ieee802.org/1/files/public/docs2023/dz-PAR-1123-v01.pdf to NesCom

- Approve CSD documentation in https://www.ieee802.org/1/files/public/docs2023/dz-CSD-1123-v01.pdf

- In the WG, Proposed: Stephen Haddock, Second: János Farkas
  - PAR (y/n/a): 34 – 1 – 5
  - CSD (y/n/a): 35 – 0 – 6

- In EC, mover: Glenn Parsons, Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

802.1 Motions
2023-11

Consent Agenda

Liaisons and external communications (ME)

EEE
802

Motion

- Approve submission of the following draft(s) to ISO/IEC JTC1/SC6 for information under the PSDO agreement, once SA balloting begins.
    - IEEE P802.1Qdj, IEEE P802.1Qdx, IEEE P802.1ASdm, IEEE P802-REVc
- In the WG, Proposed: Mark Hantel   Second: Karen Randall
    - Sending draft (y/n/a): 37 – 0 – 3

- In EC, mover: Glenn Parsons   Second: Roger Marks
    - (y/n/a): <y>,<n>,<a>

EEE 802

Motion

- Approve submission of the following draft(s) to ISO/IEC JTC1/SC6 for adoption under the PSDO agreement, once approved and published.
    - IEEE 802.1ASdr, IEEE 802.1CS-2020/Cor1
- In the WG, Proposed: Mark Hantel   Second: Karen Randall
    - Sending draft (y/n/a): 36 – 0 – 4

- In EC, mover: Glenn Parsons   Second: Roger Marks
    - (y/n/a): <y>,<n>,<a>

EEE 802

Motion

- Approve submission of the following comment responses to ISO/IEC JTC1/SC6 for information under the PSDO agreement:
    - IEEE 802.1Qcz-2023
        - https://www.ieee802.org/1/files/public/docs2023/liaison-randall-SC6CommentResponseQcz-1123.pdf
    - IEEE 802.1AEdk-2023
        - https://www.ieee802.org/1/files/public/docs2023/liaison-randall-SC6CommentResponseAEdk-1123.pdf

- In the WG, Proposed: Mark Hantel   Second: Karen Randall
    - Sending draft (y/n/a): 34 – 0 – 5

- In EC, mover: Glenn Parsons   Second: Roger Marks
    - (y/n/a): <y>,<n>,<a>

802.1 Motions
2023-11

Consent Agenda

Liaisons and external communications (II)

EEE
802

Motion

- Approve https://www.ieee802.org/1/files/public/docs2023/liaison-IETF-DetNet-status-update-1123-v01.pdf as communication to the IETF Deterministic Networking (DetNet) WG, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- Proposed: János Farkas
- Second: Norm Finn

- In the WG (y/n/a): 37 – 0 – 3

- In the EC, for information (or motion to block)

Administrative

WG MOTIONS

Minutes Motion

- 802.1 approves:
  - Revised March 2023 (plenary) and May 2023 (interim) session minutes:
    - https://www.ieee802.org/1/files/public/minutes/2023-03-minutes-v2.pdf
    - https://www.ieee802.org/1/files/public/minutes/2023-05-minutes-v2.pdf
  - July 2023 (plenary) and September 2023 (interim) session minutes:
    - https://www.ieee802.org/1/files/public/minutes/2023-07-minutes.pdf
    - https://www.ieee802.org/1/files/public/minutes/2023-09-minutes.pdf
- Proposed: Jessy Rouyer
- Seconded: Johannes Specht
- Approved by acclamation

Meetings motion

- 802.1 authorizes the noted subgroups to hold the meetings in the following future meetings table with announcement requirement, agenda and access information as indicated

- Proposed: Jessy Rouyer
- Seconded: János Farkas

- Passed by acclamation

Future meetings table

Subgroup	Topic	Date	Time	Recurrence	Date annoucements (days prior)	Agenda	Agenda	Access Information
YANGsters	per agenda	Tue 2023-12-05	10:00 - 11:00 ET	every two weeks	motion	5 days	[802.1 Minutes email list]	https://1.ieee802.org/yangsters/yangsters-call-information/
YANGsters	per agenda	as announced			10 days	10 days	[802.1 Minutes email list]	https://1.ieee802.org/yangsters/yangsters-call-information/
Maintenance TG	address TG matters and progress resolution of maintenance items in https://1.ieee802.org/maintenance/database/	as announced			10 days	10 days	[802.1 Minutes email list]	https://1.ieee802.org/category/maintenance-tg-agenda/
Maintenance TG	progress P802-REVc	as announced			10 days	10 days	[802.1 Minutes email list] [802 Architecture list]	https://1.ieee802.org/category/maintenance-tg-agenda/
Security TG	P802.1Qdt and TG matters arising	as announced			10 days	10 days	[802.1 Minutes email list]	https://1.ieee802.org/security/security-task-group-agenda/
TSN TG	per agenda	Mon 2024-03-11	8:00 - 10:00	none	motion	14 days	https://1.ieee802.org/category/tsn-tg-agenda/	https://1.ieee802.org/meetings/
TSN TG	progress IEC/IEEE 60802 Joint Project and other TSN TG work	Fri 2024-03-15	8:00 - 17:00	none	motion	14 days	https://1.ieee802.org/category/tsn-tg-agenda/	https://1.ieee802.org/meetings/
TSN TG	per agenda	Mon 2023-11-27	11:00 - 13:00 ET	weekly	motion	5 days	[802.1 Minutes email list]	http://www.ieee802.org/1/tsn
TSN TG	progress TG projects and TG matters arising	as announced			10 days	10 days	[802.1 Minutes email list]	http://www.ieee802.org/1/tsn
TSN TG	progress IEC/IEEE 60802 Joint Project work with IEC 65C/WG18	Mon 2023-11-20	9:00 - 11:00 ET	weekly	motion	5 days	[802.1 Minutes email list]	http://www.ieee802.org/1/tsn
TSN TG	progress IEC/IEEE 60802 Joint Project work with IEC 65C/WG18	Fri 2023-11-24	9:00 - 11:00 ET	weekly	motion	5 days	[802.1 Minutes email list]	http://www.ieee802.org/1/tsn
TSN TG	progress P802.1DG	Tue 2023-11-28	9:00 - 11:00 ET	every two weeks	motion	5 days	[802.1 Minutes email list]	http://www.ieee802.org/1/tsn
TSN TG	progress P802.1DP / SAE AS6675 Joint Project work with SAE AS6675	Wed 2023-11-22	10:00 - 12:00 ET	weekly	motion	5 days	[802.1 Minutes email list]	http://www.ieee802.org/1/tsn
Nendica	per agenda	Thu 2023-11-30	9:00 - 11:00 ET	every two weeks	motion	5 days	[802.1 Minutes email list]	https://1.ieee802.org/802-nendica/
Nendica	per agenda	as announced			10 days	10 days	[802.1 Minutes email list]	https://1.ieee802.org/802-nendica/

Motion

- 802.1 approves to hold an 802.1 interim session September 16-20, 2024, in Hamburg, Germany hosted by Airbus Operations GmbH as in-person session with provisions to support mixed mode.

- Proposal in https://www.ieee802.org/1/files/public/docs2023/admin-lambers-Sept24-interim-proposal-1123-v02.pdf

- Proposed: Stephan Kehrer Seconded: János Farkas

- Yes: 35 No: 2 Abstain: 4

Nendica

WG MOTIONS

YANGsters

WG MOTIONS

Maintenance TG

WG MOTIONS

Motion

- Approve https://www.ieee802.org/1/files/public/docs2023/liaison-IETF-madinas-1123.pdf as communication to IETF MAC Address Device Identification for Network and Application Services (MADINAS) WG on Randomized and Changing MAC Address, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- In the WG, Proposed: Mick Seaman
  Second: Karen Randall
    - Sending draft (y/n/a):   33 – 0 – 5

- In EC, for information (or motion to block)

Security TG

WG MOTIONS

TSN TG

WG MOTIONS

Motion

- 802.1 conditionally authorizes Stephen Haddock, the Editor of P802.1AXdz Standard for Local and Metropolitan Area Networks: Link Aggregation – Amendment: YANG for Link Aggregation to prepare drafts for and conduct Task Group balloting after SASB approval of the PAR.
- Proposed: János Farkas
- Second: Jessy Rouyer
- In the WG (y/n/a): 35 – 1 – 4

Motion

- 802.1 authorizes the TSN TG to generate PAR and CSD at the January 2024 interim session for pre-circulation to the EC for an amendment to IEEE 802.1AS to relax the requirement to use Announce messages in use cases identified in TSN profile specifications that refer to IEEE 802.1AS.

- Proposed: Don Pannell
- Second: Jordon Woods
- In the WG (y/n/a): 33 – 3 – 6

Any other business?

Motion

- 802.1 approves to hold an 802.1 interim session May 19-23, 2025 in Rennes, France hosted by Mitsubishi Electric R&D Centre Europe as in-person session.

- Proposed: János Farkas
- Second: Stephan Kehrer
- In the WG (y/n/a): 31 – 7 – 3