Closing Plenary
July 2023

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

**Monday, July 10th opening**
- Copyright Policy
- Call for Patents
- Participant behavior
- Administrative
- Membership status
- Future Sessions
- 802 EC report
- Incoming Liaisons
- Promotion
- Sanity check – current projects
- TG agendas
- Any other business

**Thursday, July 13th 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:
Select: “Audio Use Computer Audio”

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

Once completed: join meeting

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

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### 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
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.

<table>
<thead>
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<th>Schedule</th>
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<th>8:00</th>
<th>9:00</th>
<th>10:00</th>
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<tr>
<td>TSN TG</td>
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</table>

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 COPYRIGHT POLICY

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

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

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

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

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

- IEEE SA Copyright FAQs

- IEEE SA Best Practices for IEEE Standards Development

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

• Attendance at any meeting held during or as part of the July 2023 Plenary Session requires registering and paying the appropriate fee
  – Early $US 700.00 until May 26, 2023
  – Standard $US 1000.00 After May 26, 2023 until June 30, 2023
  – Late/Onsite $US 1300.00 after June 30, 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 - ieeieee
General Information

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

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

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

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

• Chair: Glenn Parsons
• Vice-Chair & Recording Secretary: Jessy Rouyer
  – Executive Secretary: Stephan Kehrer
  – Liaison Secretary: Karen Randall
• Maintenance TG Chair: vacant
• Security TG Chair: Mick Seaman
  – Security TG Vice-Chair: Karen Randall
• TSN TG Chair: János Farkas
  – TSN TG Vice-Chair: Craig Gunther
  – TSN TG Secretary: Johannes Specht
  – IEC/IEEE 60802 Joint Project Chair: Ludwig Winkel
  – IEC/IEEE 60802 Joint Project Secretary: Josef Dorr
  – IEC/IEEE 60802 Joint Project System ad hoc chair: Mark Hantel
  – 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** – Mick Seaman
  - P802.1Qcj – Paul Bottorff
  - P802.1Qcw – Marina Gutierrez
  - P802.1Qcz – Paul Congdon
  - P802.1Qdd – Feng Chen
  - P802.1Qdj – Stephan Kehrer
  - P802.1Qdq – Hiroki Nakano
  - P802.1Qdt – Lily Lv
  - P802.1Qdv – Norman Finn
  - P802.1Qdx – Abdul Jabbar
- **802** – James Gilb
  - P802f – Marc Holness
- **802.1AE** - Mick Seaman
  - P802.1AEdk – Don Fedyk
- **IEC/IEEE 60802** – Jordon Woods
- **802.1AS** – Silvana Rodrigues
  - P802.1ASdm – Geoffrey Garner
  - P802.1ASdn – Rodney Cummings
  - P802.1ASdr – Silvana Rodrigues
  - P802.1ASds – Silvana Rodrigues
- **P802.1CQ** – Roger Marks
- **P802.1CS** – Norman Finn
  - P802.1CS/Cor1 – Norman Finn
- **P802.1DC** – Norman Finn
- **P802.1DF** – Tongtong Wang
- **P802.1DG** – Max Turner
- **P802.1DP / SAE AS6675** – Abdul Jabbar
- **P802.1DU** – Johannes Specht
IEEE SA Staff supporting IEEE 802.1

- Jodi Haasz
  - IEEE 802 lead, supports dot03 and dot18 groups
  - Operational Program Management Senior Manager

- Ron Hotchkiss
  - supports dot01 group
  - Operational Program Management Program Manager
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 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 (75):

Akizuki, Katsuyuki
Alexandris, Konstantinos
Arunarthi, Venkat
Assmann, Ralf
Bao, Huajie
Belliardi, Rudy
Blendin, Jeremias
Bottorff, Paul
Canchi, Radhakrishna
Chen, Feng
Choudhury, Abhijit
Congdon, Paul
Cummings, Rodney
Dorr, Josef
Elbakoury, Hesham
Engelmann, Anna
Enzinger, Thomas
Farkas, Janos
Fedycz, 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
Lv, Lily
Mangin, Christophe
Mansfield, Scott
Mater, Olaf
McCall, David
McMillan, Larry
Mittelberger, Martin
Nakano, Hiroki
Nomura, Takumi
Obradovic, Dragan
Pannell, Donald R
Parsons, Glenn
Proell, Dieter
Randall, Karen
Riegel, Maximilian
Rodine, Craig
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 **became** voting members this week:

Obradovic, Dragan
Rodine, Craig
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:

Bierschenk, Jens
Coelho, Rodrigo
Gelish, Joseph
Gravel, Mark
Han, Ruibo
Jenkins, Michael

Klamser, Oliver
McIntosh, James
Obradovic, Dragan
Rodine, Craig
Wang, Jing
The following will lose voting member status for lack of qualifying attendance, unless they attend this session:

none
The following could lose their voting membership at the end of this plenary session through lack of qualifying WG letter ballot voting:

Blendin, Jeremias
Enzinger, Thomas
McMillan, Larry
Wang, Tongtong
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.
September 2023 interim

• General Electric (GE) is the host
  – Approved by the WG in March 2023

• Registration is open

• Registration fee
  – $250 USD for all attendees (in-person and remote)

• In-Person with provisions to support mixed mode
  – GE Research center, Albany, NY, USA

• Date
  – Sep 11-15, 2023
January 2024 interim

- NEC Laboratories Europe offer to host (proposal)
- Registration fee
  - Estimated to be for all attendees
    - 700 EUR (early rate)
    - 900 EUR (normal rate)
    - 1100 EUR (late/on site rate)
- 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
  - Approved by the WG in March 2023
  - Waiting on final confirmation by 802 wireless group
- Registration fee
  - Estimated to be in the usual range
- In-Person with provisions to support mixed mode (tbc)
  - Warsaw Marriott Hotel, Warsaw, Poland
- Date
  - May 12-17, 2024
Interim sessions

- September 11-15, 2023
  - Hosted by GE in Niskayuna, NY, USA as in-person session with provisions to support mixed mode

- January 22-26, 2024
  - Offer from NEC Laboratories Europe in Heidelberg, Germany as in-person session with provisions to support mixed mode

- May 12-17, 2024
  - Hosted by 802 wireless group as in-person session with provisions to support mixed mode (tbc)
    - Location: Warsaw, Poland

- September 2024
  - Possible option to co-locate with the 802 wireless group is currently being discussed
    - Date: September 8-13, 2024
    - Waikoloa, HI, USA
Plenary sessions

• July 9-14, 2023 – Berlin, Germany
  – Estrel Berlin

• November 12-17, 2023 – Honolulu, HI, USA
  – Hawaiian Village

• March 10-15, 2024 – Denver, CO, USA
  – Hyatt Regency Denver at Colorado Convention Center

• July 14-19, 2024 – Montreal, QC, Canada
  – Sheraton Le Centre Montreal

• November 10-15, 2024 – Vancouver, BC, Canada
  – Hyatt Regency

• March 9-14, 2025 – Atlanta, GA, USA
  – Hilton Atlanta
Straw poll for closing

1. Would you like to come back to this venue?
   - Yes – 31  No - 21  Did not respond - 20

2. Did you go to the social?
   - Yes – 42  No - 6  Did not respond - 24

3. Did you like the social?
   - Yes – 32  No - 10  Did not respond - 31
<table>
<thead>
<tr>
<th>Project</th>
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<th>Next action</th>
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<tr>
<td>802.1ojc</td>
<td>Auto Attach to PBB</td>
<td>SA Ballot</td>
<td>SA Ballot</td>
<td>D2.5</td>
<td>RevCom</td>
<td>Dec '23</td>
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<td>PAR extension</td>
<td>TG Ballot</td>
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<td>TG Ballot</td>
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<td>TSN (Qbu, Qbv, Qci) YANG</td>
<td>SA Ballot</td>
<td>D2.2</td>
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<td>Congestion Isolation</td>
<td>RevCom</td>
<td>Approved - June 4</td>
<td>D2.7</td>
<td>Publication</td>
<td>Dec '24</td>
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<td>60802 (DA)</td>
<td>TSN Profile for Industrial Automation</td>
<td>PAR extension &amp; modify WG Ballot</td>
<td>D2.0</td>
<td>NesCom - PAR Modification</td>
<td>Dec '25</td>
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<td>802.1DC</td>
<td>QOS provision by network systems</td>
<td>WG Ballot</td>
<td>WG Ballot</td>
<td>D2.2</td>
<td>SA Ballot conditional</td>
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<td>PAR extension</td>
<td>TG Ballot</td>
<td>D0.7</td>
<td>TG Ballot</td>
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<tr>
<td>802.1DF</td>
<td>TSN Profile for Service Provider Networks</td>
<td>TG ballot</td>
<td>TG ballot</td>
<td>D0.1</td>
<td>TG ballot</td>
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<td>802.1DG</td>
<td>TSN Profile for Automotive Networks</td>
<td>TG Ballot</td>
<td>TG Ballot</td>
<td>D2.0</td>
<td>NesCom - PAR Extension</td>
<td>Dec '23</td>
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<td>WG Ballot</td>
<td>WG Ballot</td>
<td>D1.1</td>
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<td>802.1AEdk</td>
<td>MAC Privacy protection</td>
<td>RevCom</td>
<td>Approved - June 4</td>
<td>D2.2</td>
<td>Publication</td>
<td>Dec '23</td>
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<td>802f</td>
<td>EtherType YANG</td>
<td>SA Ballot</td>
<td>SA Ballot</td>
<td>D2.1</td>
<td>ReCom</td>
<td>Dec '23</td>
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<tr>
<td>802.1ASdm</td>
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802.1 Leadership meetings

- Every Thursday – 11:00 ET
  - Since February 2020 to discuss management of work and plan future sessions
- Additional leadership – July 11th (Lyon) 12:30 CEST
  - Prepare PAR responses, EC consent agenda for July 14th EC meeting
- Editors’ meetings
  - 19:45 CEST - Monday - Cannes
  - Sharing of best practices by editors
  - Discussion with staff 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 Jul 11 and 12


Finalized comments on 802 PARs under consideration – P802.11bn UHR


Resolved all comments – P802-REVc/D1.0 and P802.1CS-2020/Cor1/D1.3

https://www.ieee802.org/1/files/private/cs-2020-cor-1-drafts/d1/802-1CS-2020-Cor1-d1-3-dis-v2.pdf

Prepared five liaison motions including following two outgoing responses


Proposed authorizing editors for TG ballots on P802.1Q-2022-REV and P802.1AS-2020-REV, and authorizing PAR/CSD generation in Sep for 802.1AC amendment to include 802.15.6 MAC (per joint 802.1/802.15 meeting)

Received maintenance item 362 on 802.1AS

Updated four maintenance items: https://www.802-1.org/meetings/151
Maintenance Next Steps

• Proposed electronic meetings:
  – Jul 25 and 26 10:00-12:00 ET for review of P802f integration into P802-REVc before WG recirc of the latter
  – As announced to progress P802-REVc, to address TG matters including comment resolution (based on approved balloting for P802.1ASdr, P802.1CS-2020/Cor1, P802.1Q-2022-Rev, P802.1AS-2020-Rev), and to progress the resolution of new and existing maintenance items
    • Some maintenance items open since 2013

• P802-REVc comment resolution coordination across 802 WGs during Sep interim session to be planned
Report – Security July

1. **P802.1Qdt PFC Enhancements**
   - Draft development
     - Continued discussion on round trip measurement protocol, timing points …
     - Start-up and delay adjustment behavior

2. **AOB – MACsec with shared and pseudo-shared media**
   - Potential key optimization, Pre-shared Key (PSK) distribution and use
     - Automotive focus in discussion, but wider applicability
     - Support expressed for informative annex (possibly more) describing approaches, avoiding pitfalls

3. **Future meetings/teleconferences**
   - Potential attendance for Albany low, may not meet in person
# IEEE 802.1 TSN TG Summary

## IEEE 802 Plenary, July 10-14, 2023

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- **TSN TG agenda details** are available at: [https://1.ieee802.org/2023-07-plenary-tsn-agenda](https://1.ieee802.org/2023-07-plenary-tsn-agenda)
- **Note that the TSN TG agenda may change**, e.g., depending on progress.
Nendica Session Review, Jul 2023

• Agenda

• Tuesday 11 July 2023, 19:00-21:00 CEST
  – Nendica organization
    • Reviewed and responded to 802.15 comment on ICAID renewal
    • Maintained draft Nendica ICAID renewal to Sep 2025 as is
    • Prepared proposed consent agenda motion for ICAID renewal

• Thursday 13 July 2023, 8:00-10:00 CEST
  – Vetting and new topics, per contribution
    • Ongoing vetting: Industrial campus network for virtual PLC
  – Nendica organization
    • Updated draft Nendica ICCOM report
    • Updated draft Nendica ICAID report
  – Agreed on requests for future meetings
YANGsters July 2023 Plenary

- https://1.ieee802.org/july-2023-plenary-session-berlin-germany-yangsters/
- Introduction to YANGsters
  - https://1.ieee802.org/yangsters/
- Status
  - YANG Status Presentation
- Response to BBF Liaison related to YANG Discussion
  - BBF Liaison
  - Response coordinated with 802.1 and 802.3
- IEEE 802.3 YANG progress on LLDP work
  - Draft YANG
- IEEE 802.3 MAC Merge work
- ASdm discussion
- IEEE 802.1AXdz
YANGsters Plans

- YANGsters site
  - https://1.ieee802.org/yangsters/
- YANGsters agendas
  - https://1.ieee802.org/category/yangsters-agenda/
- Plans
  - Support on-going YANG related projects
    - IEEE 802.3.2a for MAC Merge and LLDP TLVs
    - For the full list see next slide for YANG-sanity
  - Continue meetings every two weeks starting begin 1 August 2023
**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

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<td>D2.2</td>
</tr>
<tr>
<td>802.1AS-2020 rev</td>
<td>Timing and Synchronization</td>
<td>not created</td>
<td>Editor</td>
<td>None</td>
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<tr>
<td>802.1ASdm</td>
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<td>not created</td>
<td>WG</td>
<td>D1.1</td>
</tr>
<tr>
<td>802.1ASdn</td>
<td>Timing and Synchronization for Time-Sensitive Applications — Amendment: YANG Data Model</td>
<td>current</td>
<td>WG</td>
<td>D1.1</td>
</tr>
<tr>
<td>802.1ASds</td>
<td>Support for the IEEE Std 802.3 Clause 4 Media Access Control (MAC) operating in half-duplex</td>
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<td>Editor</td>
<td>None</td>
</tr>
<tr>
<td>802.1AXd2</td>
<td>YANG for LAG</td>
<td>not created</td>
<td>Editor</td>
<td>None</td>
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<tr>
<td>802.1CS-2020/Cor1</td>
<td>Link-local Registration Protocol (LRP)</td>
<td>update needed</td>
<td>WG</td>
<td>D1.3</td>
</tr>
<tr>
<td>802.1DC</td>
<td>Quality of Service Provision by Network Systems</td>
<td>update needed</td>
<td>WG</td>
<td>D2.2</td>
</tr>
<tr>
<td>802.1DF</td>
<td>TSN Profile for Service Provider Networks</td>
<td>not created</td>
<td>TG</td>
<td>D0.1</td>
</tr>
<tr>
<td>802.1DG</td>
<td>TSN Profile for Automotive In-Vehicle Ethernet Communications</td>
<td>not created</td>
<td>TG</td>
<td>D2.0</td>
</tr>
<tr>
<td>802.1DP</td>
<td>TSN for Aerospace Onboard Ethernet Communications</td>
<td>not created</td>
<td>Editor</td>
<td>D1.0</td>
</tr>
<tr>
<td>802.1DU</td>
<td>Cut-thorough forwarding</td>
<td>not created</td>
<td>Editor</td>
<td>None</td>
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<tr>
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<td>Q-rev</td>
<td>update needed</td>
<td>Editor</td>
<td>None</td>
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<td>802.1Qcj</td>
<td>LLDP extension tlv for auto attach</td>
<td>update needed</td>
<td>SA</td>
<td>D2.5</td>
</tr>
<tr>
<td>802.1Qcw</td>
<td>Amendment: YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing</td>
<td>update needed</td>
<td>SA</td>
<td>D2.2</td>
</tr>
<tr>
<td>802.1Qcz</td>
<td>Amendment: Congestion Isolation</td>
<td>update needed</td>
<td>SA-&gt;Pub</td>
<td>D2.7</td>
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<td>802.1Qdd</td>
<td>Resource Allocation Protocol</td>
<td>not created</td>
<td>TG</td>
<td>D0.7</td>
</tr>
<tr>
<td>802.1Qdj</td>
<td>Amendment: Configuration Enhancements for Time-Sensitive Networking</td>
<td>update needed</td>
<td>WG</td>
<td>D1.1</td>
</tr>
<tr>
<td>802.1Qdt</td>
<td>Priority-based Flow Control Enhancements</td>
<td>not created</td>
<td>TG</td>
<td>D0.2</td>
</tr>
<tr>
<td>802.1Qdv</td>
<td>Enhancements to Cyclic Queuing and Forwarding</td>
<td>not created</td>
<td>Editor</td>
<td>None</td>
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<tr>
<td>802.1Qdw</td>
<td>Source Flow Control</td>
<td>not created</td>
<td>Editor</td>
<td>None</td>
</tr>
<tr>
<td>802.1Qdx</td>
<td>YANG for CBS</td>
<td>not created</td>
<td>Editor</td>
<td>None</td>
</tr>
<tr>
<td>802.1Qdy</td>
<td>YANG for MSTP</td>
<td>not created</td>
<td>Editor</td>
<td>None</td>
</tr>
<tr>
<td>802f</td>
<td>YANG Data Model for Ethertypes</td>
<td>not created</td>
<td>SA</td>
<td>D2.1</td>
</tr>
<tr>
<td>EEE1588e</td>
<td>Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: MIB and YANG Data Models</td>
<td>current</td>
<td>SA</td>
<td>D1.1</td>
</tr>
</tbody>
</table>
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
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.
Incoming Liaisons

- Liaison from **BBF**: LS re: new project for addressing ONU management at scale [YANGsters]
- Liaison from **ITU-T SG15**: LS on OTNT Standardization Work Plan Issue 32 [Maintenance]
- Liaison from **ITU-T JCA**: LS on Invitation to update the information in the IMT2020 roadmap [Maintenance]
- Liaison from **ITU-T SG13**: LS on ongoing work items on deterministic communication services and networking in SG13 of ITU-T [TSN]
- Liaison from **LNI 4.0**: LS with LNI 4.0 whitepaper *OPC UA over TSN* and request for IEEE 802 draft standards [TSN, 60802]
- Liaison from **IETF**: Liaison Response from IETF on IANA considerations in IETF RFC 7042bis (with attached updated [draft-ietf-intarea-rfc7042bis-06]) – new liaison received 13 July 2023
Outgoing Liaisons

• Liaison motions from TSN:
  – Approve sending draft documents to LNI 4.0: IEEE P802.1Qdd and IEC/IEEE 60802

• Liaison Motions from Maintenance:
  – Approve liaison sending drafts to SC6 for information, after the SA ballot starts: IEEE P802.1ASdn, IEEE P802.1ASdr, IEEE P802.1DC.
  – Approve liaison sending drafts to SC6 for adoption, when published: IEEE 802.1Qcj, IEEE 802.1Qcw, IEEE 802f
  – Approve submission of the comment responses to SC6 for ballot comments received on IEEE Std 802.1ACct, IEEE Std 802.1BA, and IEEE Std 802.1Q
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
    • Next: Automotive – Oct 26, Aerospace
  – Computer Society webinars
    • Data Center – September 27, 2023

• Industry Events
  – Ethernet/IP day – Sept 19
802.1 PARs this session

• 60802 - Standard - Time-Sensitive Networking Profile for Industrial Automation, **PAR modification** and **CSD**
  • Response to comments

• 802.1Qdy - Amendment: YANG for the Multiple Spanning Tree Protocol, **PAR** and **CSD**
  • Response to comments

• 802.1DG - Standard: Time-Sensitive Networking Profile for Automotive In-Vehicle Ethernet Communications, **PAR Extension** and **CSD**
  • Response to comments

• 802.1Qdj - Amendment: Configuration Enhancements for Time-Sensitive Networking **PAR extension** and **CSD**
  • Response to comments

• 802.1 - Industry Connections: Nendica - **ICAID**
  • Response to comments

Normal session process

— Pre-circulation of PARs
  • June 14

— *Maintenance TG prepares 802.1 comments*
  • July 11 at 6pm ET

— 802.1 response to other WG comments
  • July 12 at 6pm ET

— EC approval
  • July 14
Other 802 PARs this session

- 802.11bn - Amendment: Enhancements for Ultra High Reliability, 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 March 2023 plenary session page
- When asked to sign in, use your IEEE Account user name and password
- Click the Enter Meeting button for IEEE 802.1 Closing Plenary – March 2023
- Motions will be opened, and visible under the “Open” tab after being announced.
- Click on the Vote button 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

July 2023

(V4 – 802.1 version #)
Agenda

• Industry Connections
  – 5.xxx – Nendica ICAID extension

• Drafts to SA Ballot
  – 5.xxx – P802.1ASdr
  – 5.xxx – P802.1CS/cor1
  – 5.xxx – P802.1ASdn
  – 5.xxx – P802.1DC

• Drafts to RevCom
  – 5.xxx – P802.1Qcj
  – 5.xxx – P802.1Qcw
  – 5.xxx – P802f

• PARs to NesCom
  – 5.xxx – P802.1DG
  – 5.xxx – P802.1Qdj
  – 5.xxx – P60802
  – 5.xxx – P802.1Qdy
Agenda

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

• Liaisons and external communications (II)
  – 7.xxx – Approve 802.1 communication to ITU-T JCA IMT 2020
  – 7.xxx – Approve 802.1 communication to ITU-T SG15
  – 7.xxx – Approve 802.1 communication to ITU-T SG13
  – 7.xxx – Approve 802.1 communication with BBF
  – 7.xxx – Approve 802.1 communication with 1588 WG
  – 7.xxx – Approve 802.1 communication with 3400 WG
  – 7.xxx – Approve 802.1 communication with LNI 4.0
802.1 Motions
2023-07

Consent Agenda
ICAID to ICCom
Motion – 5.0xx

• Forward Nendica ICAID Renewal
  https://mentor.ieee.org/802.1/dcn/23/1-23-0004-06-ICne-
draft-nendica-icaid-renewal-to-september-2025.docx, including Nendica ICCom Report
  https://mentor.ieee.org/802.1/documents?is_group=ICne &is_year=2023&is_dcn=0007 for information, to ICCom

• In the WG, Proposed: Jessy Rouyer  Second: Norm Finn
  – (y/n/a): 41, 2, 5

• In EC, mover: Glenn Parsons  Second: David Law
  – (y/n/a): <y>,<n>,<a>
802.1 Motions
2023-07

Consent Agenda

Drafts to SA Ballot
Motion – 5.0xx

• Approve sending P802.1ASdr D2.0 to Standards Association ballot

• Confirm the CSD for P802.1ASdr in https://mentor.ieee.org/802-ec/dcn/21/ec-21-0097-00-ACSD-p802-1asdr.pdf

• P802.1ASdr D1.2 had 98% approval at the end of the last WG ballot

• In the WG, Proposed: Silvana Rodrigues, Second: János Farkas
  – Sending draft (y/n/a): 52, 1, 1
  – CSD (y/n/a): 49, 1, 1 (1 unexercised)

• In EC, mover: Glenn Parsons, Second: David Law
  – (y/n/a): <y>,<n>,<a>
Supporting Information P802.1ASdr

- WG ballot closed: 5 May 2023
- All WG ballot requirements are met
- The ballot resulted in
  - 1 outstanding Disapprove vote
  - 3 outstanding Must Be Satisfied (MBS) comments
- Ballot results:

<table>
<thead>
<tr>
<th>Category (as appears in comment disposition document):</th>
<th>TOTAL (All)</th>
<th>% (ALL)</th>
<th>TOTAL (Voters)</th>
<th>% (Voters)</th>
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<tbody>
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<td>54</td>
<td>98.18%</td>
<td>54</td>
<td>98.18%</td>
</tr>
<tr>
<td>No</td>
<td>1</td>
<td>1.82%</td>
<td>1</td>
<td>1.82%</td>
</tr>
<tr>
<td>Voting Yes or No</td>
<td>55</td>
<td>88.71%</td>
<td>55</td>
<td>90.16%</td>
</tr>
<tr>
<td>Abstain Time</td>
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<td>1.61%</td>
<td>1</td>
<td>1.64%</td>
</tr>
<tr>
<td>Abstain Expertise</td>
<td>6</td>
<td>9.68%</td>
<td>5</td>
<td>8.20%</td>
</tr>
<tr>
<td>Abstain Other</td>
<td>0</td>
<td>0.00%</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Respondents</td>
<td>62</td>
<td>83.78%</td>
<td>61</td>
<td>82.43%</td>
</tr>
<tr>
<td>Responding voting members</td>
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<td>61</td>
<td>82.43%</td>
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<tr>
<td>Non-voting commenters</td>
<td>0</td>
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<td>No. of commenters</td>
<td>0</td>
<td></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>No. of comments</td>
<td>0</td>
<td></td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>
Supporting Information P802.1ASdr

• The single disapprove vote is maintained from the initial WG ballot on D1.0

• The disapprove vote is associated with 3 MBS comments on D1.0, see here and following slides

• (https://www.ieee802.org/1/files/private/dr-drafts/d1/802.1ASdr-d1-0-dis-v00.pdf)
Supporting Information P802.1ASdr

Thompson, Geoff

GraCaSI S.A.

Comment Type  ER  Comment Status  A

Introduction - The ongoing repetitive use of the phrase "non-inclusive, insensitive, and deprecated terminology" is unnecessary and constitutes an accusation that former ballot groups were, in fact possessing attitudes that were non-inclusive and insensitive. Such repetition is unnecessary and is insensitive in and of itself at the very least.

SuggestedRemedy

Replace the text "non-inclusive, insensitive, and deprecated terminology" going forward in the draft with non-judgemental terminology. Perhaps, something like "terms identified by IEEE P1588g and IEEE editorial staff, aligning them with terms in P1588g and replacing others with their suitable equivalent current terminology wherever possible."

Response  Response Status  W

ACCEPT IN PRINCIPLE. Discuss
On Page 4 of the draft, the language is copied from the PAR and it will not be part of the published amendment. There is no need to change.

Page 7, lines 1 to 3, change the abstract from:
"This amendment to IEEE Std 802.1ASTM-2020 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."

To:
"This amendment to IEEE Std 802.1ASTM-2020 replaces terminology with alternative terminology identified by IEEE Std 1588g-2022."

Page 13, lines 9 to 11, change the Introduction from:

"This amendment to IEEE Std 802.1ASTM-2020 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."

To:
"This amendment to IEEE Std 802.1ASTM-2020 replaces terminology with alternative terminology identified by IEEE Std 1588g-2022."
Motion – 5.0xx

• Approve sending P802.1CS-2020/Cor1 D2.0 to Standards Association ballot
  • Note: there is no CSD statement since this maintenance project is not intended to provide any new functionality
• P802.1CS-2020/Cor1 D1.3 had 100% approval at the end of the last WG ballot
• In the WG, Proposed: Jessy Rouyer, Second: Norm Finn
  – Sending draft (y/n/a): 50, 1, 1
• In EC, mover: Glenn Parsons, Second: David Law
  – (y/n/a): <y>,<n>,<a>
Supporting Information P802.1CS-2020/Cor1

- WG ballot closed: 30 June 2023
- All WG ballot requirements are met
- The ballot resulted in
  - 0 outstanding Disapprove votes
  - 0 outstanding Must Be Satisfied (MBS) comments
- Comment resolution available here:
  https://www.ieee802.org/1/files/private/cs-2020-cor-1-drafts/d1/802-1CS-2020-Cor1-d1-3-dis-v2.pdf.

### Ballot results:

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>All respondents</th>
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<tbody>
<tr>
<td></td>
<td>TOTAL</td>
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<tr>
<td>Yes</td>
<td>42</td>
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<tr>
<td>No</td>
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</tr>
<tr>
<td>Voting Yes or No</td>
<td>42</td>
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<tr>
<td>Abs. Expertise</td>
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<tr>
<td>Abs. Time</td>
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<tr>
<td>Respondents</td>
<td>61</td>
</tr>
<tr>
<td>Voters</td>
<td>73</td>
</tr>
<tr>
<td>Liaisons responding</td>
<td>0</td>
</tr>
<tr>
<td>No. of commenters</td>
<td>0</td>
</tr>
<tr>
<td>No. of comments</td>
<td>0</td>
</tr>
</tbody>
</table>

a 75% required for approval. Draft passes WG ballot.
b 50% required for valid ballot. Ballot is valid.
Motion – 5.0xx

- Conditionally 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
- P802.1ASdn D1.1 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): 51, 2, 1
    - CSD (y/n/a): 50, 1, 2 (1 unexercised)
  - In EC, mover: Glenn Parsons, Second: David Law
    - (y/n/a): <y>,<n>,<a>
Supporting Information P802.1ASdn

- WG ballot closed: 5 May 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-d1-1-dis-v01.pdf](https://ieee802.org/1/files/private/asdn-drafts/d1/802-1ASdn-d1-1-dis-v01.pdf)
- Recirculation ballot will be conducted during July/August with comment resolution in TSN TG meetings. A possible final recirculation in September/October if required with comment resolution in TSN TG meetings.

**Ballot results:**

<table>
<thead>
<tr>
<th>Category</th>
<th>Total</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>43</td>
<td>97.73% of yes/no</td>
</tr>
<tr>
<td>No</td>
<td>1</td>
<td>6.82% of yes/no</td>
</tr>
<tr>
<td>Abstain</td>
<td>17</td>
<td>27.87% of responding</td>
</tr>
<tr>
<td>No. of Voters</td>
<td>73</td>
<td></td>
</tr>
<tr>
<td>Voters responding</td>
<td>61</td>
<td>83.56% of voters</td>
</tr>
</tbody>
</table>
Supporting Information P802.1ASdn

- 1 disapprove vote associated with 1 MBS comment is maintained from the initial WG ballot on D1.0
Motion – 5.0xx

- Conditionally approve sending P802.1DC D3.0 to Standards Association ballot
- Confirm the CSD for P802.1DC in https://mentor.ieee.org/802-ec/dcn/18/ec-18-0091-00-ACSD-802-1dc.pdf
- P802.1DC D2.2 had 98% approval at the end of the last WG ballot
  - In the WG, Proposed: Norm Finn, Second: János Farkas
    - Sending draft (y/n/a): 51, 2, 1
    - CSD (y/n/a): 48, 2, 3 (1 unexercised)
  - In EC, mover: Glenn Parsons, Second: David Law
    - (y/n/a): <y>,<n>,<a>
Supporting Information P802.1DC

- WG ballot closed: 12 July 2023
- All WG ballot requirements are met
- The ballot resulted in
  - 1 outstanding Disapprove votes
  - 4 outstanding Must Be Satisfied (MBS) comments
- Comment resolution available here: [https://www.ieee802.org/1/files/private/dc-drafts/d2/802-1DC-d2-2-dis-v01.pdf](https://www.ieee802.org/1/files/private/dc-drafts/d2/802-1DC-d2-2-dis-v01.pdf)
- Recirculation ballot will be conducted during July/August with comment resolution in TSN TG meetings. A possible final recirculation in September/October if required with comment resolution in TSN TG meetings.

Ballot results:

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>All respondents</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL</td>
<td>%</td>
</tr>
<tr>
<td>Yes(^a)</td>
<td>48</td>
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<td>1</td>
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<tr>
<td>Voting Yes or No</td>
<td>49</td>
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<tr>
<td>Abs. Expertise</td>
<td>13</td>
</tr>
<tr>
<td>Abs. Time</td>
<td>2</td>
</tr>
<tr>
<td>Abs. Other</td>
<td>0</td>
</tr>
<tr>
<td>Respondents(^b)</td>
<td>62</td>
</tr>
<tr>
<td>Voters</td>
<td>73</td>
</tr>
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<td>No. of commenters</td>
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<tr>
<td>No. of comments</td>
<td>8</td>
</tr>
</tbody>
</table>

\(^a\) 75% required for approval. Draft passes WG ballot.
\(^b\) 50% required for valid ballot. Ballot is valid.
### Supporting Information P802.1DC

- **Outstanding MBS comments**  
  *(the commenter wants to see the next draft)*

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<tr>
<th>CI</th>
<th>SC</th>
<th>P</th>
<th>L</th>
<th>#</th>
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<th>Comment Type</th>
<th>Comment Status</th>
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<tbody>
<tr>
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<td>Parsons, Glenn</td>
<td>ER</td>
<td>D</td>
<td>The draft is 2.2 but the headers and title indicate 2.1</td>
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<td>Proposed Response</td>
<td>Response Status</td>
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<tr>
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<td>P24</td>
<td>L28</td>
<td>2</td>
<td>Parsons, Glenn</td>
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<td>D</td>
<td>&quot;the present standard&quot; is awkward</td>
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<td>use &quot;this standard&quot; as is done in another definition</td>
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<td>Response Status</td>
<td>W</td>
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</table>
Supporting Information P802.1DC

- Outstanding MBS comments (the commenter wants to see the next draft)
802.1 Motions
2023-07

Consent Agenda

Drafts to RevCom
Motion – 5.0xx

- Approve sending P802.1Qcj to RevCom
- Approve CSD documentation in https://mentor.ieee.org/802-ec/dcn/21/ec-21-0195-00-ACSD-p802-1qcj.pdf
- P802.1Qcj D2.5 had 100% approval at the end of the last SA ballot
  - In the WG, Proposed: Paul Bottorff, Second: János Farkas
    - Sending draft (y/n/a): 46, 2, 5
    - CSD (y/n/a): 44, 1, 5 (1 unexercised)
  - In EC, mover: Glenn Parsons, Second: David Law
    - (y/n/a): <y>,<n>,<a>
Supporting Information P802.1Qcj

- SA ballot closed:
  - 25 June 2023
- All SA ballot requirements are met
- The ballot resulted in
  - 0 Disapprove votes
  - 0 comments

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<th>Ballot Summary</th>
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<td><strong>Open Date:</strong> 15 Jun 2023</td>
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<tr>
<td><strong>Draft Number:</strong> 2.5</td>
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<tr>
<td><strong>Ballot Group Members:</strong> 63</td>
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<tr>
<td><strong>Return Ballots:</strong> (53) 84%</td>
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<tr>
<td><strong>Abstentions:</strong> (3) 5%</td>
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<td><strong>Approval Rate:</strong> 100%</td>
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<table>
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<tr>
<th>Votes counted in approval rate</th>
<th>Votes not counted in approval rate</th>
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<tr>
<td><strong>Approve</strong></td>
<td><strong>Disapprove Without MBS Comment(s)</strong></td>
</tr>
<tr>
<td>50</td>
<td>0</td>
</tr>
<tr>
<td><strong>Disapprove With MBS Comment(s)</strong></td>
<td><strong>Abstentions</strong></td>
</tr>
<tr>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>Total</strong></td>
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<tr>
<td>50</td>
<td>3</td>
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<table>
<thead>
<tr>
<th><strong>Total Votes</strong></th>
<th><strong>Total Comments</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>53</td>
<td>0</td>
</tr>
</tbody>
</table>

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.

Motion – 5.0xx

- Approve sending P802.1Qcw to RevCom
- P802.1Qcw D2.2 had 98% approval at the end of the last SA ballot
  - In the WG, Proposed: Marina Gutiérrez, Second: János Farkas
    - Sending draft (y/n/a): 49, 2, 2
    - CSD (y/n/a): 50, 0 ,3
  - In EC, mover: Glenn Parsons, Second: David Law
    - (y/n/a): <y>,<n>,<a>
Supporting information P802.1Qcw

- SA ballot closed:
  - 7 May 2023
- All SA ballot requirements are met
- The ballot resulted in
  - 1 outstanding Disapprove vote
  - 0 comments from last SA recirculation ballot
  - 2 outstanding Must Be Satisfied (MBS) comments from initial SA ballot
- Disposition: [https://www.ieee802.org/1/files/private/cw-drafts/d2/802-1Qcw-d2-2-dis-v00.pdf](https://www.ieee802.org/1/files/private/cw-drafts/d2/802-1Qcw-d2-2-dis-v00.pdf)
Supporting Information P802.1Qcw

- The single disapprove vote is maintained from the initial SA ballot on D2.0
- The disapprove vote is associated with 2 MBS comments on D2.0
- (https://www.ieee802.org/1/files/private/cw-drafts/d2/802-1Qcw-d2-0-dis-v00.pdf)
Motion – 5.0xx

- Conditionally approve sending P802f to RevCom
- Approve CSD documentation in [https://mentor.ieee.org/802-ec/dcn/19/ec-19-0217-00-ACSD-p802f.pdf](https://mentor.ieee.org/802-ec/dcn/19/ec-19-0217-00-ACSD-p802f.pdf)
- P802f D2.1 had 94% approval at the end of the last SA ballot

- In the WG, Proposed: Jessy Rouyer, Second: János Farkas
  - Sending draft (y/n/a): 47, 3, 5
  - CSD (y/n/a): 44, 3, 6 (1 unexercised)

- In EC, mover: Glenn Parsons, Second: David Law
  - (y/n/a): <y>,<n>,<a>
Supporting Information P802f

- SA ballot closed: 6 July 2023
- All SA ballot requirements are met
- The ballot resulted in
  - 2 Disapprove votes with 4 Must Be Satisfied (MBS) comments
  - 1 outstanding Disapprove vote with 2 outstanding MBS comments from initial SA ballot

- Recirculation ballot will be conducted during July/August with comment resolution in TSN TG meetings. A possible final recirculation in September/October if required with comment resolution in TSN TG meetings.
Supporting Information P802f

• Initial SA ballot on D2.0
  – 1 disapprove vote is maintained (R K Rannow)
  – 2 MBS comments

• First SA recirculation ballot on D2.1
  – 2 disapprove votes
  – 4 MBS comments
Supporting Information P802f

- MBS comments associated with the outstanding Disapprove vote maintained from initial SA ballot on D2.0

Supporting Information P802f

- MBS comments associated with the Disapprove votes on D2.1 (see next slide too)
Supporting Information P802f

- MBS comments associated with the Disapprove votes on D2.1 (see previous slide too)
- [https://www.ieee802.org/1/files/private/802-f-drafts/d2/802f-d2-1-dis-v01.pdf](https://www.ieee802.org/1/files/private/802-f-drafts/d2/802f-d2-1-dis-v01.pdf)
802.1 Motions
2023-07

Consent Agenda

PARs to NesCom
Motion – 5.0xx

• Approve forwarding P802.1DG PAR extension documentation in https://www.ieee802.org/1/files/public/docs2023/dg-PAR-extension-0723-v01.pdf to NesCom

• Approve (unmodified) CSD documentation in https://mentor.ieee.org/802-ec/dcn/18/ec-18-0242-00-ACSD-p802-1dg.pdf

• In the WG, Proposed: Max Turner, Second: János Farkas
  – PAR (y/n/a): 47, 1, 3
  – CSD (y/n/a): 43, 1, 4 (3 unexercised)

• In EC, mover: Glenn Parsons, Second: David Law
  – (y/n/a): <y>,<n>,<a>
Motion – 5.0xx

- Approve (unmodified) CSD documentation in [https://mentor.ieee.org/802-ec/dcn/19/ec-19-0139-00-ACSD-p802-1qdj.pdf](https://mentor.ieee.org/802-ec/dcn/19/ec-19-0139-00-ACSD-p802-1qdj.pdf)

- In the WG, Proposed: Stephan Kehrer, Second: János Farkas
  - PAR (y/n/a): 51, 1, 0 (1 unexercised)
  - CSD (y/n/a): 51, 1, 1

- In EC, mover: Glenn Parsons, Second: David Law
  - (y/n/a): <y>,<n>,<a>
Motion – 5.0xx


- In the WG, Proposed: Martin Mittelberger, Second: Ludwig Winkel
  - PAR (y/n/a): 51, 2, 1 (1 unexercised)
  - CSD (y/n/a): 49, 1, 3 (1 unexercised)

- In EC, mover: Glenn Parsons, Second: David Law
  - (y/n/a): <y>,<n>,<a>
Motion – 5.0xx

- Approve forwarding P802.1Qdy PAR documentation in https://www.ieee802.org/1/files/public/docs2023/dy-PAR-0723-v01.pdf to NesCom

- In the WG, Proposed: Josef Dorr, Second: János Farkas
  - PAR (y/n/a): 51, 1, 2
  - CSD (y/n/a): 48, 1, 2 (1 unexercised)

- In EC, mover: Glenn Parsons, Second: David Law
  - (y/n/a): <y>,<n>,<a>
802.1 Motions
2023-07

Consent Agenda

Liaisons and external communications (ME)
Motion – 7.0xx

• Approve submission of the following draft(s) to ISO/IEC JTC1/SC6 for information under the PSDO agreement, once SA balloting begins.
  – IEEE P802.1ASdn, IEEE P802.1ASdr, IEEE P802.1DC

• In the WG, Proposed: Jessy Rouyer   Second: Karen Randall
  – Sending draft (y/n/a): 50, 1, 2

• In EC, mover: Glenn Parsons   Second: David Law
  – (y/n/a): <y>,<n>,<a>
Motion – 7.0xx

• Approve submission of the following draft(s) to ISO/IEC JTC1/SC6 for adoption under the PSDO agreement, once approved and published.
  – IEEE 802.1Qcj, IEEE 802.1Qcw, IEEE 802f

• In the WG, Proposed: Jessy Rouyer   Second: Karen Randall
  – Sending draft (y/n/a): 50, 2, 2

• In EC, mover: Glenn Parsons   Second: David Law
  – (y/n/a): <y>,<n>,<a>
Motion – 7.0xx

• Approve submission of the following comment responses to ISO/IEC JTC1/SC6 for information under the PSDO agreement:
  – IEEE 802.1ACct-2021
  – IEEE 802.1BA-2021
  – IEEE 802.1Q-2022

• In the WG, Proposed: Jessy Rouyer   Second: Karen Randall
  – Sending draft (y/n/a): 46, 1, 3

• In EC, mover: Glenn Parsons   Second: David Law
  – (y/n/a): <y>,<n>,<a>
802.1 Motions
2023-07

Consent Agenda

Liaisons and external communications (II)
Motion – 7.0xx

  • This approval is under LMSC OM “Procedure for public statements to government bodies”

• In the WG, Proposed: Jessy Rouyer  Second: Karen Randall
  – Sending draft (y/n/a): 44, 1, 4

• In EC, for information (or motion to block)
Motion – 7.065

  - This approval is under LMSC OM “Procedure for public statements to government bodies”

- In the WG, Proposed: Jessy Rouyer  Second: Karen Randall
  - Sending draft (y/n/a): 46, 1, 3

- In EC, for information (or motion to block)
Motion – 7.0xx

  - This approval is under LMSC OM “Procedure for public statements to government bodies”

- In the WG proposed: János Farkas, Second: Karen Randall
  - (y/n/a): 45, 1, 4

- In EC, for information (or motion to block)
Motion – 7.0xx

• Approve https://www.ieee802.org/1/files/public/docs2023/liaison-BBF-ONUManagementYANG-0723-v01.pdf as communication to the Broadband Forum (BBF), granting the IEEE 802.1 WG chair (or his delegate) editorial license.

• Proposed: Scott Mansfield
• Second: János Farkas

• In the WG (y/n/a): 46, 1, 4

• In the EC, for information
Motion – 7.0xx

• Approve
https://www.ieee802.org/1/files/public/docs2023/liaison-IEEE1588-draft-sharing-and-terminology-0723-v01.pdf as communication to IEEE 1588 WG, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

• Proposed: Silvana Rodrigues
• Second: János Farkas

• In the WG (y/n/a): 48, 0, 1

• In the EC, for information
Motion – 7.0xx

• Approve https://www.ieee802.org/1/files/public/docs2023/liaison-IEEEP3400-terminology-0723-v01.pdf as communication to IEEE P3400, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

• Proposed: János Farkas
• Second: Jessy Rouyer

• In the WG (y/n/a): 48, 1, 4

• In the EC, for information
Motion – 7.0xx

- Approve sharing the latest revision of the IEEE P802.1Qdd and IEC/IEEE 60802 drafts with Labs Networks Industrie 4.0 (LNI 4.0).

- Proposed: János Farkas
- Second: Josef Dorr

- In the WG (y/n/a): 46, 3, 3

- In the EC, for information
Administrative

WG MOTIONS
Minutes Motion

• 802.1 approves the March 2023 (plenary) and May 2023 (interim) session minutes:

• Proposed: Jessy Rouyer
• Seconded: János Farkas

• Approved by acclamation
Motion

- 802.1 approves to hold an 802.1 interim session January 22-26, 2024 in Heidelberg, Germany hosted by NEC Laboratories Europe as in-person session with provisions to support mixed mode.


- Proposed: Stephan Kehrer Seconded: Jessy Rouyer

- Yes: 47  No: 2  Abstain: 2
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

<table>
<thead>
<tr>
<th>Subgroup</th>
<th>Topic</th>
<th>Date</th>
<th>Time</th>
<th>Recurrence</th>
<th>Date announcements (days prior)</th>
<th>Agenda</th>
<th>Access Information</th>
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<td>YANGsters</td>
<td>per agenda</td>
<td>Tue 2023-08-01</td>
<td>10:00 - 11:00 ET</td>
<td>every two weeks</td>
<td>motion</td>
<td>802.1 Minutes email list</td>
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<td>Tue 2023-07-25</td>
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<td>TSN TG</td>
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Minutes Motion

• 802.1 approves the March 2023 (plenary) and May 2023 (interim) session minutes:

• Proposed: Jessy Rouyer
• Seconded: János Farkas

• Approved by acclamation
Nendica

WG MOTIONS
YANGsters

WG MOTIONS
WG MOTIONS

Maintenance TG
Motion

• 802.1 authorizes Mick Seaman, the Editor of P802.1Q-2022-REV, Standard for Local and Metropolitan Area Networks: Bridges and Bridged Networks, to prepare drafts for and conduct Task Group balloting.

• Proposed: Jessy Rouyer
• Second: Karen Randall

• In the WG (y/n/a): 46, 1, 2 (1 unexercised)
Motion

• 802.1 authorizes Silvana Rodrigues, the Editor of P802.1AS-2020-REV, Standard for Local and Metropolitan Area Networks: Timing and Synchronization for Time-Sensitive Applications, to prepare drafts for and conduct Task Group balloting.

• Proposed: Jessy Rouyer
• Second: Karen Randall

• In the WG (y/n/a): 47, 1, 1 (2 unexercised)
Motion

• 802.1 authorizes the Maintenance TG to generate PAR and CSD at the September 2023 interim session for pre-circulation to the EC for an amendment to IEEE 802.1AC to include 802.15.6

• Proposed: Jessy Rouyer
• Second: Norman Finn

• In the WG (y/n/a): 46, 2, 3
WSN TG

WG MOTIONS
Motion

• 802.1 authorizes Abdul Jabbar, the Editor of P802.1Qdx Standard for Local and Metropolitan Area Networks: Bridges and Bridged Networks – Amendment: YANG Data Models for the Credit-Based Shaper to prepare drafts for and conduct Working Group balloting.

• Proposed: János Farkas
• Second: Ludwig Winkel
• In the WG (y/n/a): 49, 3, 1
Motion

- 802.1 authorizes Johannes Specht, the Editor of P802.1DU Standard for Local and Metropolitan Area Networks: Cut-Through Forwarding Bridges and Bridged Networks to prepare drafts for and conduct Task Group balloting.

- Proposed: János Farkas
- Second: Jordon Woods
- In the WG (y/n/a): 46, 2, 4
Motion

- 802.1 authorizes Norman Finn, the Editor of P802.1Qdv Standard for Local and Metropolitan Area Networks: Bridges and Bridged Networks – Amendment: Enhancements to Cyclic Queuing and Forwarding to prepare drafts for and conduct Task Group balloting.

- Proposed: János Farkas
- Second: Stephan Kehrer
- In the WG (y/n/a): 46, 2, 3 (1 unexercised)
Motion

- 802.1 conditionally authorizes Martin Mittelberger, the Editor of P802.1Qdy Standard for Local and Metropolitan Area Networks: Bridges and Bridged Networks – Amendment: YANG for the Multiple Spanning Tree Protocol to prepare drafts for and conduct Working Group balloting after the SASB approval of the PAR.

- Proposed: Mick Seaman
- Second: János Farkas
- In the WG (y/n/a): 45, 2, 4
Motion

- 802.1 authorizes the TSN TG to generate PAR and CSD at the September 2023 interim session for pre-circulation to the EC for an amendment to IEEE 802.1AX on YANG for Link Aggregation.

- Proposed: Stephen Haddock
- Second: János Farkas

- In the WG (y/n/a): 44, 2, 5
Motion

• 802.1 authorizes the TSN TG to generate PAR and CSD at the September 2023 interim session for pre-circulation to the EC for an amendment to IEEE 802.1Q on Extensions to the TSN UNI.

• Proposed: Konstantinos Alexandris
• Second: Stephan Kehrer

• Motion to table
  • Proposed: Stephan Kehrer
  • Second: Craig Gunther

• In the WG (y/n/a): 38, 2, 3
Any other business?