



Closing Plenary March 2024

Glenn Parsons – IEEE 802.1 WG Chair
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802.1 plenary agenda

Monday, March 11th opening

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

Thursday, March 15th closing

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

REGISTRATION FEE

Access to this session*
requires a registration fee.

Please check the session
announcement for details
before attending.

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

MARCH 2024 MIXED MODE SESSION

Meeting is to be run as an in-person meeting.

- Local time zone schedule for meetings
- Local participants attend as an in-person meeting
- Remote access is provided to remote participants to view/present/interact similarly to on-line meetings (best effort)

Please wear your badge when in the meeting areas of the hotel

- This will help the staff to improve the general security of the meeting rooms
- PCs HAVE BEEN STOLEN at previous meetings – DO NOT assume that meeting areas are secure

MIXED MODE GUIDELINES

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

- Project in the meeting room
- Appears as “Meeting Room”
- Broadcast meeting room audio
- Mute or remove noisy lines
- Monitor the conferencing queue

The chair runs the meeting

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

All presenters **present via web conferencing**

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

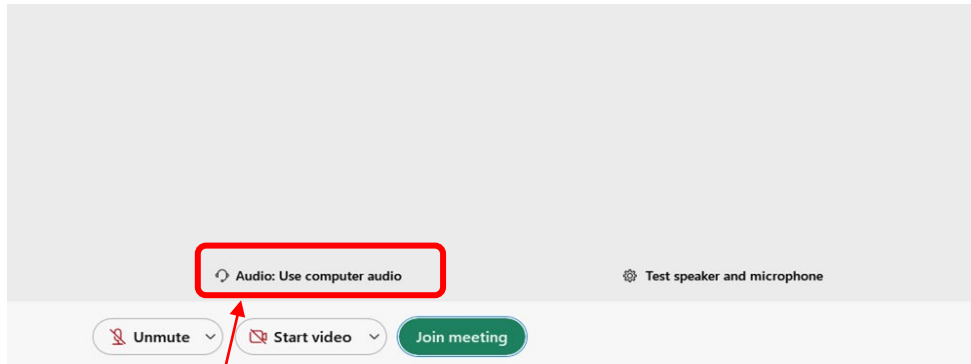
- Present
- See the screen
- Chat (***not** part of the meeting*)

If you are in-person and join web conferencing

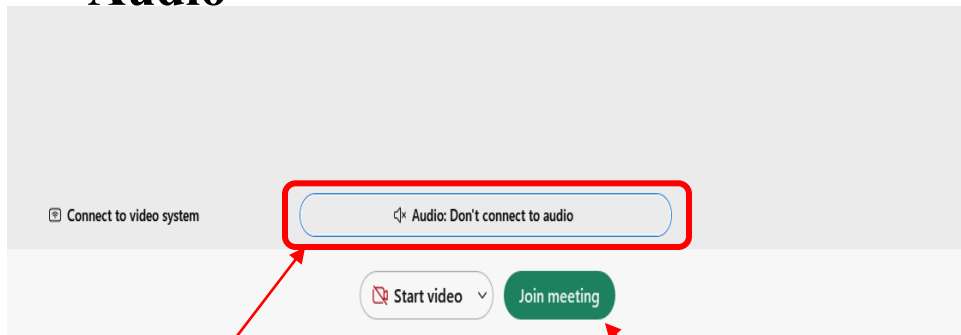
- **DO NOT connect to the audio**
- After you **accept** the IEEE SA terms
- Before you **click join meeting**

🔊 Audio: Don't connect to audio

YET TO JOIN JOINED



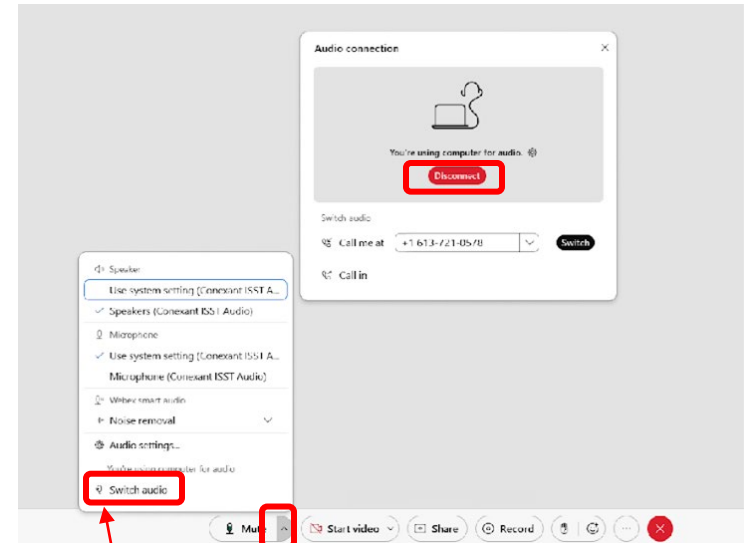
Select: “Audio Use Computer Audio”



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

Once completed:
join meeting

ALREADY



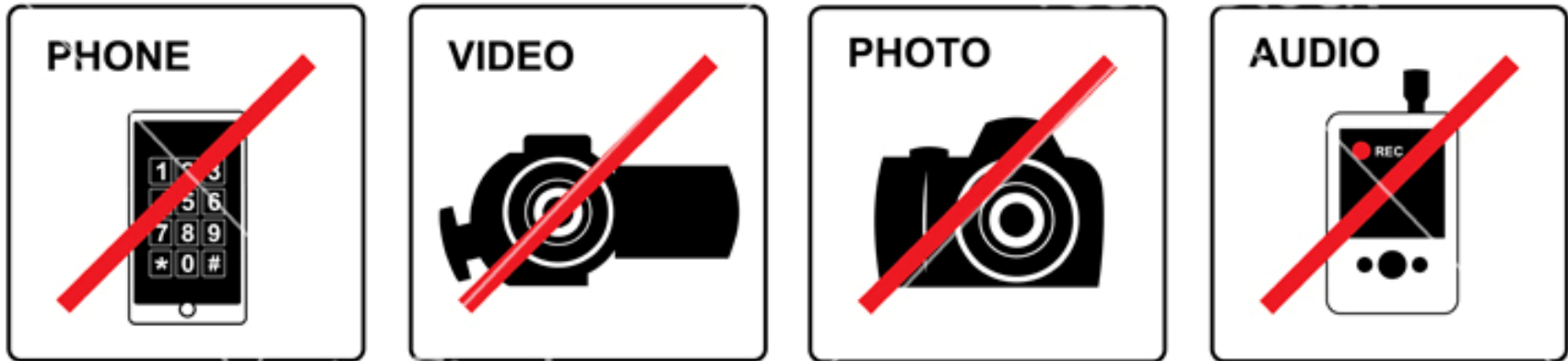
Click on: ^
Select: “Switch audio”
Select “Disconnect”

WEB CONFERENCING GUIDELINES

- Please **mute** yourself when you are not speaking
- Please put yourself into the queue “at the mic” via the chat, e.g.: “+q” / “-q”
- Please provide your information
 - **First and last names**
 - **Affiliation**, after your last name, e.g., in square brackets

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

DECORUM



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

ATTENDANCE

- Please **record** your attendance in IMAT at <https://imat.ieee.org>

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

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

- For an active meeting denoted by a yellow bar, click on the bar: it changes to a green bar once your attendance has been recorded.
- **The data from IMAT is used as the meeting participant list.**
 - Please **promptly** provide your affiliation to the minute taker if you are unable to record your attendance in IMAT.

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

MEETING POLICIES

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

INSTRUCTIONS FOR THE WG CHAIR

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

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

Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE SA Standards Board.

PARTICIPANTS HAVE A DUTY TO INFORM THE IEEE

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

**Early identification of holders of potential
Essential Patent Claims is encouraged**

WAYS TO INFORM IEEE

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

INSTRUCTIONS FOR CHAIRS OF STANDARDS DEVELOPMENT ACTIVITIES

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

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

IEEE SA COPYRIGHT POLICY

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

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

IEEE SA COPYRIGHT POLICY

- The IEEE SA Copyright Policy is described in the IEEE SA Standards Board Bylaws and IEEE SA Standards Board Operations Manual
 - IEEE SA Copyright Policy, see
 - Clause 7 of the IEEE SA Standards Board Bylaws
<https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7>
 - Clause 6.1 of the IEEE SA Standards Board Operations Manual
<https://standards.ieee.org/about/policies/opman/sect6.html>
- IEEE SA Copyright Permission
 - <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip>
- IEEE SA Copyright FAQs
 - <http://standards.ieee.org/faqs/copyrights.html/>
- IEEE SA Best Practices for IEEE Standards Development
 - http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf
- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
 - <https://standards.ieee.org/about/policies/opman/sect6.html>

PARTICIPANT BEHAVIOR IN IEEE-SA ACTIVITIES IS GUIDED BY THE IEEE CODES OF ETHICS & CONDUCT

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

- [IEEE Code of Ethics](#)
- [IEEE Code of Conduct](#)

The core principles of the IEEE Codes of Ethics & Conduct are to:

- *Uphold the highest standards of integrity, responsible behavior, and ethical and professional conduct*
- *Treat people fairly and with respect, to not engage in harassment, discrimination, or retaliation, and to protect people's privacy.*
- *Avoid injuring others, their property, reputation, or employment by false or malicious action*

The most recent versions of these Codes are available at

<http://www.ieee.org/about/corporate/governance>

PARTICIPANTS IN THE IEEE-SA “INDIVIDUAL PROCESS” SHALL ACT INDEPENDENTLY OF OTHERS, INCLUDING EMPLOYERS

The [IEEE-SA Standards Board Bylaws](#) require that “*participants in the IEEE standards development individual process shall act based on their qualifications and experience*”

This means participants:

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

By participating in standards activities using the “*individual process*”, you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation

IEEE-SA STANDARDS ACTIVITIES SHALL ALLOW THE FAIR & EQUITABLE CONSIDERATION OF ALL VIEWPOINTS

The [IEEE-SA Standards Board Bylaws](#) (clause 5.2.1.3) specifies that *“the standards development process shall not be dominated by any single interest category, individual, or organization”*

- This means no participant may exercise *“authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints”* or *“to hinder the progress of the standards development activity”*

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

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

Subgroup announcements

- Subgroup Chairs (or designees) please note during this plenary session:
 - At the start of the first TG meeting, announce that the meeting is subject to the policies in "MEETING INTRODUCTION"
<https://www.ieee802.org/1/files/public/templates/admin-TG-intro-0324-v01.pdf> made available beforehand (as announced in the opening plenary meeting); and
 - Make the Call for Potentially Essential Patents and minute any responses to it.
 - At the start of the first pre-PAR subgroup meeting, announce that the meeting is subject to the policies in "MEETING INTRODUCTION"
<https://www.ieee802.org/1/files/public/templates/admin-prePAR-intro-0324-v01.pdf> made available beforehand (as announced in the opening plenary meeting).
 - After any recess, announce that the meeting remains subject to the policies as read and displayed in the opening plenary meeting.
 - At meeting start & after any recess, ask participants to record attendance in IMAT and, if unable to do so, to promptly provide their affiliation to the minute taker.
 - Direct participants to the IEEE SA website for additional details on the
 - IEEE Patent Policy (<https://standards.ieee.org/content/ieee-standards/en/about/sasb/patcom/index.html>); and
 - IEEE SA Copyright Policy (<https://standards.ieee.org/ipr/index.html>)

Plenary Registration Fee

- Attendance at any meeting held during or as part of the March 2024 Plenary Session requires paying the appropriate fee
 - Early Registration Fee - \$US 800.00 Until January 12, 2024
 - Standard Registration Fee - \$US 1150.00 Until March 1, 2024
 - Late/Onsite Registration Fee - \$US 1500.00 After March 1, 2024
 - Student Registration Fee - \$US 100.00 Until March 17, 2024
- Registration details - <http://802world.org/plenary/>
- Fee waivers may be granted in advance, exceptionally
 - By WG chair for remote participation
 - By EC for in-person participation

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 -> David McCall
 - TSN TG Secretary: Johannes Specht
 - IEC/IEEE 60802 Joint Project Chair: Ludwig Winkel
 - IEC/IEEE 60802 Joint Project Secretary: Dieter Pröll
 - IEEE P802.1DP/SAE AS6675 joint project co-Chairs: Abdul Jabbar & János Farkas
 - IEEE P802.1DP/SAE AS6675 joint project Secretary: vacant
- NENDICA Chair: Roger Marks
 - Nendica Vice-Chair: Johannes Specht
- YANGsters Chair: Scott Mansfield
 - YANGsters Vice-Chair and Secretary: Stephan Kehrer
- Maintenance of Email exploder: Mark Hantel and Hal Keen
- Maintenance of website: Mark Hantel, Roger Marks, John Messenger

Editors – current projects

- [802.1Q editor](#) – Mick Seaman
 - [P802.1Qdd](#) – Feng Chen
 - [P802.1Qdj](#) – Stephan Kehrer
 - [P802.1Qdq](#) – Hiroki Nakano
 - [P802.1Qdt](#) – Lily Lyu
 - [P802.1Qdv](#) – Norman Finn
 - P802.1Qdw - **vacant**
 - [P802.1Qdx](#) – Abdul Jabbar
 - [P802.1Qdy](#) – Martin Mittelberger
- [P802-REVc](#) – James Gilb
- 802.1AC editor – John Messenger
 - P802.1ACea – Marco Hernandez
- 802.1AE editor - Mick Seaman
- 802.1AS editor – Geoffrey Garner
 - [P802.1ASdm](#) – Geoffrey Garner
 - [P802.1ASdn](#) – Johannes Specht
 - [P802.1ASdr](#) – Silvana Rodrigues
 - [P802.1ASds](#) – Silvana Rodrigues
- 802.1AX editor – Steve Haddock
 - P802.1AXdz - Steve Haddock
- [P802.1CQ](#) – Roger Marks
- [P802.1CS](#) – Norman Finn
- [P802.1DC](#) – Norman Finn
- [P802.1DG](#) – Max Turner
- [P802.1DP / SAE AS6675](#) – Abdul Jabbar
- [P802.1DU](#) – Johannes Specht
- [IEC/IEEE 60802](#) – Jordon Woods

IEEE SA Staff supporting IEEE 802

- Jodi Haasz
 - IEEE 802 lead, supports dot01, dot03 and dot18 groups title:
 - Operational Program Management Senior Manager
- Christy Bahn
 - supports dot11, dot15, dot19 and, dot24 groups
 - Operational Program Management Senior Program Manager
- Dalisa Gonzalez
 - Observe 802 plenary
 - Program Coordinator
- Pat Roder (remote)
 - assisting Jodi, Ron, and Christy
 - Operational Program Management Program Manager
- Michelle Turner
 - 802 editorial support
 - Senior Manager, Content Production and Management
- Catherine Berger (email)
 - 802 editorial support
 - Senior Program & Special Project 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 ballot series (including ePolls).
- When you return your vote on a TG/WG ballot:
 - Do use the correct email list (STDS-802-1-ballot@listserv.ieee.org) and subject line, as specified in the email instructions (viewable on the [main 802.1 Email archive](#)).
 - If you do not, the automatic tools will not count your vote.
 - Do not simply “Reply” to the ballot announcement.
- When you lose your voting membership this way, you lose all your qualifying attendance credit.
 - If you want to become a voting member again, you have to notify the WG Chair and Recording Secretary that you wish to become a voting member again.

The following are 802.1 voting members (70):

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

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

None

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

Coelho, Rodrigo

Gravel, Mark

Han, Ruibo

Niess, Adriaan

Roy, Rajeev

Wang, Jing

Zeh, Alexander

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

Cummings, Rodney

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

Gutierrez, Marina
Obradovic, Dragan
Rodine, Craig

802.11 Reciprocal credit

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

March 2024 802 LMSC Elections

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

802 Chair and Appointed Officers

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

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

voting




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

802.1 WG election process

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

WG Member Voting



- Access the web voting tool via the “Voting Member – Cast your vote” link on the 802.1 March 2024 plenary session page
- When asked to sign in, use your IEEE Account user name and password
- Click the  for IEEE 802.1 Closing Plenary – March 2024
- Motions will be opened, and visible under the “Open” tab after being announced.
- Click on  for motions currently requiring your vote
- Make your vote selection and click  to record your vote
- Keep the “*DirectVoteLive*” browser open during the meeting

Election – chair confirmation

- 802.1 confirms Glenn Parsons as the chair of the 802.1 working group
- Proposed: Johannes Specht
- Seconded: Stephan Kehrer
- Y: 42 N: 0 A: 0

Election – vice-chair confirmation

- 802.1 confirms Jessy Rouyer as the vice-chair of the 802.1 working group
- Proposed: Nader Zein
- Seconded: Geoff Garner
- Y: 42 N: 0 A: 0

May 2024 interim

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

September 2024 interim

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

January 2025 interim

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

May 2025 interim

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

Interim sessions

- May 12-17, 2024
 - Hosted by and co-located with the 802 wireless group as in-person session with provisions to support mixed mode
 - Location: Warsaw, Poland
- September 2024
 - Hosted by Airbus as in-person session with provisions to support mixed mode
 - Date: September 16-20, 2024
 - Location: Hamburg, Germany
- January 2025
 - Currently no host
- May 2025
 - Hosted by Mitsubishi Electric R&D Centre Europe as in-person session with provisions to support mixed mode
 - Date: May 19-23, 2025
 - Location: Rennes, France
- September 2025
 - Currently no host

Plenary sessions

- March 10-15, 2024 – Denver, CO, USA
 - Hyatt Regency Denver at Colorado Convention Center
- July 14-19, 2024 – Montreal, QC, Canada
 - Sheraton Le Centre Montreal
- November 10-15, 2024 – Vancouver, BC, Canada
 - Hyatt Regency Vancouver
- March 9-14, 2025 – Atlanta, GA, USA
 - Hilton Atlanta
- July 27-August 4, 2025 – Madrid, Spain
 - Melia Castilla
- November 9-14, 2025 – Bangkok, Thailand
 - Marriot Marquis Queen's Park
- March 8-13, 2026 – Vancouver, BC, Canada
 - Hyatt Regency Vancouver
- July 13-18, 2026 – Montreal, QC, Canada
 - Le Centre Sheraton Montreal
- Nov 8-13, 2026 – Bangkok, Thailand
 - Marriot Marquis Queen's Park

Straw polls – closing plenary

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

- Yes – 25 No - 12 Did not respond - 13

2. Did you go to the social?

- Yes – 26 No - 16 Did not respond - 11

3. Did you like the social?

- Yes – 18 No - 8 Did not respond - 28

Sanity check – current workload

Project	Short Title	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1CQ	Multicast and Local Address Protocol	PAR extension	TG Ballot	D0.8	TG Ballot	Dec '24
60802 (DA)	TSN Profile for Industrial Automation	PAR modification	WG Ballot	D2.2	SA ballot conditional	Dec '25
802.1DC	QOS provision by network systems	SA Ballot	SA Ballot	D3.1	SA Ballot recirc	Dec '24
802.1Qdd	Resource Allocation Protocol	PAR extension	TG Ballot	D0.8	WG Ballot / new PAR	Dec '25
802.1DG	TSN Profile for Automotive Networks	PAR Extension	TG Ballot	D2.4	WG Ballot	Dec '25
802.1Qdj	TSN Configuration Enhancements	SA Ballot	SA Ballot	D2.2	RevCom	Dec '25
802.1ASdm	Hot standby	SA Ballot conditional	SA Ballot	D2.0	SA Ballot recirc	Dec '24
802.1ASdn	Time Synch YANG	SA Ballot conditional	SA Ballot	D2.0	SA Ballot recirc	Dec '24
802.1DP	TSN Profile for Aerospace	TG Ballot	TG Ballot	D1.1	WG Ballot	Dec '24
802.1Qdq	Tspec	TG Ballot	PAR approved	D0.4	TG Ballot	Dec '25
802.1ASdr	Inclusive Language	RevCom	Published - Mar 6	D1.2		Dec '25
802.1ASds	Half-duplex support	TG Ballot	TG Ballot	D0.2	TG Ballot	Dec '26
802.1Qdt	PFC MACsec	PAR modification	Editor's draft	D0.2	TG Ballot	Dec '26
802.1DU	Cut-through forwarding	TG Ballot	TG Ballot	D0.2	TG Ballot	Dec '27
802.1Qdv	Cyclic Queueing and Forwarding	TG Ballot	TG Ballot	D0.4	TG Ballot	Dec '26
802-rev	O&A	WG Ballot	WG Ballot	D1.2	SA ballot conditional	Dec '26
802.1Qdw	Source Flow Control	Nescom	PAR approved		Editor's draft	Dec '26
802.1CS/cor1	LRP corrigendum	RevCom	Approved - Feb 15	D2.1	publication	Dec '26
802.1Qdx	YANG for CBS	SA Ballot conditional	SA Ballot	D2.0	RevCom conditional	Dec '27
802.1Q-2022 rev	Bridges and Bridged Networks	TG Ballot	PAR approved		Editor's draft	Dec '27
802.1AS-2020 rev	Timing and Synchronization	TG Ballot	Editor's draft	D1.0	TG Ballot	Dec '27
802.1Qdy	YANG for MSTP	WG ballot	WG ballot	D1.2	WG ballot	Dec '27
802.1AXdz	YANG for LAG	NesCom	PAR approved		Editor's draft	
802.1ACea	802.15.16 convergence	PAR Development	PAR approved	D1.0	Editor's draft	
802.1CB/cor1	FRER corrigendum	PAR Development	PAR approved		Editor's draft	
802.1ASeb	Announce	PAR Development	WG PAR review		NesCom	

802.1 meeting schedule

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

Subgroup summaries

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

Maintenance Meetings Summary

Held two TG meetings Mar 12 and 13

<https://1.ieee802.org/march-2024-plenary-session-maintenance-tg-agenda/>

Finalized comments on 802 PARs under consideration – P802.3dm & P802.11bp

<https://www.ieee802.org/1/files/public/docs2024/admin-PAR-CSD-comments-3dm-0324-v01.pdf>

<https://www.ieee802.org/1/files/public/docs2024/admin-PAR-CSD-comments-11bp-0324-v01.pdf>

Prepared four liaison motions including following two outgoing responses

<https://www.ieee802.org/1/files/public/docs2024/liaison-response-itu-t-JCA-RoadmapIMT2020-0324.pdf>

<https://www.ieee802.org/1/files/public/docs2024/liaison-itu-t-sg15-LS89-OTNTSWP33-ieee8021status-0324.pdf>

Mick Seaman reviewed the plan for P802.1Q-2022-Rev

<https://www.ieee802.org/1/files/private/q-2022-rev-drafts/q-2022-rev-seaman-plans-0324-v00.pdf>

Marco Hernandez gave an introduction to the P802.1ACea project

<https://www.ieee802.org/1/files/public/docs2024/ea-hernandez-introduction-0324-v00.pdf>

<https://www.ieee802.org/1/files/private/ea-drafts/d1/802-1ACea-d1-1.pdf>

Received maintenance item [366](#) on 802.1Qcw

Updated four maintenance items: <https://www.802-1.org/meetings/170>

Resolved all comments – P802-REVC/D1.2

<https://mentor.ieee.org/802.1/dcn/24/1-24-0018-00-Mntg-p802-revc-comments-dis.pdf>

Maintenance Next Steps

- Planning proposed electronic meetings :
 - As announced to progress P802-REVc to SA Ballot
 - As announced to address TG matters for the approved projects P802.1Q-2022-Rev, P802.1AS-2020-Rev, P802.1ACea, P802.1CB-2017/Cor1, to create PARs for P802.1AB-2016-Rev and P802.1AC-2016-Rev and to progress the resolution of new and existing maintenance items.

Summary – Security

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

IEEE 802.1 TSN TG Summary

IEEE 802 Plenary, March 11-15, 2024

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

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

Nendica Session Review, Mar 2024

- Meeting slot Thursday 2024-03-14, 08:00-10:00 MT
- Detailed agenda:
 - <https://1.ieee802.org/802-nendica-agenda-2024-03-14>
- Vetting and new topics, per contribution
 1. Four contributions related to computing networks
 2. One late transferred contribution on PFC enhancement introduced but deferred to next week
- Agreed (by motion) to initiate a Nendica study item on “AI computing network” (AICN) led by Lily Lyu and Jieyu Li
- Future meetings
 - Thursdays, 08:00-10:00 ET, biweekly beginning 2024-03-21 (request)
- Details:
 - <https://1.ieee802.org/802-nendica/>

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YANGsters Agenda and Highlights (March 2024 Plenary)

- <https://1.ieee802.org/march-2024-plenary-session-yangsters-agenda/>
- 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/docs2024/yangsters-smansfield-denver-status-0324-v02.pdf>
 - Blog Post on YANG
 - Aspire to discuss before the end of March 2024
- IEEE 802.3 YANG Update
 - Discussing a process for YANG development and management. Alignment with YANGsters is forthcoming.
- Liaisons
 - [Liaison](#) from **BBF** on New Project for Addressing ONU Management at Scale
 - Liaison and past communication reviewed.
 - Ad Hoc Group formed and Liaison drafted for consideration at closing plenary.
 - Draft of response: <https://www.ieee802.org/1/files/public/docs2024/liaison-response-BroadbandForum-YANG-0324-v01.pdf>
- Liaisons Continued
 - [LS 95](#) on Inclusive Terminology and YANG (ITU-T SG15)
 - Noted
 - [LS 94](#) on Consented Recommendations (ITU-T SG15)
 - Noted
 - [LS 93](#) on IM/DM modelling coordination (ITU-T SG15)
 - Noted
- Guidelines Review
 - [OID/URN](#)
 - [Review for updates to the found in the new version of REVc](#)
 - [Augment](#)
 - [Simple augment example](#)
- IETF YANG Status
 - IETF 119 is meeting week of 16-23 July, talk with the Canadian chair.
- Request for Next Calls
 - Requested next series of calls, maintaining current cadence, see following slide.

Requested Meetings

- Electronic meetings requested between the March 2024 Plenary and July 2024 Plenary
 - All electronic meetings are 10-11 ET on alternate Tuesdays
 - 26 Mar
 - 09 Apr
 - 23 Apr
 - 07 May
 - 21 May
 - 04 Jun
 - 18 Jun
 - No meeting on 2 Jul (YANGster to meet during July Plenary)
- Call Details
 - <https://1.ieee802.org/yangsters/yangsters-call-information/>

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
802.1AS-2020 rev	Timing and Synchronization	not created	Editor	None	No YANG	
802.1ASdm	Hot Standby	pull request made	SA	D2.0	checked	1588 module name issue
802.1ASdn	Timing and Synchronization for Time-Sensitive Applications — Amendment: YANG Data Model	current	SA	D2.0	checked	1588 module name issue
802.1ASds	Support for the IEEE Std 802.3 Clause 4 Media Access Control (MAC) operating in half-duplex	not created	TG	D0.2	No YANG	
802.1AXdz	YANG for LAG	not created	Editor	None	No YANG	
802.1CS-2020/Cor1	Link-local Registration Protocol (LRP)	current	WG	D2.1	checked	Pending Publication
802.1DC	Quality of Service Provision by Network Systems	pull request made	SA	D3.1	checked	needs Qdx
802.1DG	TSN Profile for Automotive In-Vehicle Ethernet Communications	not created	TG	D2.4	No YANG	
802.1DP	TSN for Aerospace Onboard Ethernet Communications	not created	Editor	D1.1	No YANG	
802.1DU	Cut-through forwarding	not created	Editor	D0.2	No YANG	
802.1Q-2022rev	Q-rev	pull request made	Editor	D1.1	checked	
802.1Qdd	Resource Allocation Protocol	needs uploaded	TG	D0.9	checked	pp needed
802.1Qdj	Amendment: Configuration Enhancements for Time-Sensitive Networking	pull request made	SA	D2.2	checked	module name change
802.1Qdt	Priority-based Flow Control Enhancements	not created	TG	D0.2	No YANG	
802.1Qdv	Enhancements to Cyclic Queuing and Forwarding	not created	Editor	D0.4	No YANG	
802.1Qdw	Source Flow Control	not created	Editor	None	No YANG	
802.1Qdx	YANG for CBS	pull request made	SA	D2.0	checked	
802.1Qdy	YANG for MSTP	current	WG	D1.2	checked	
802-REVC	802 Revision C	current	WG	D1.2	checked	Pending Publication
IEC/IEEE 60802	Industrial Automation	pull request made	WG	D2.2	checked	1588 module name issue and Qdj has changed
IEEE1588e	Precision Clock Synchronization Protocol for Networked Measurement and Control Systems Amendment: MIB and YANG Data Models	current	SA	D1.4	checked	

YANG To Do

- Maintenance Item Discussion
 - [0366](#): IEEE 802.1Qcw REVISION REQUEST on allowing non-scheduled interfaces
 - Work with author to leverage yang tooling
- YANG Process coordination with IEEE 802.3 Working Group
- AXdz discussion to continue.

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.

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 reviewed

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

Outgoing Liaisons

- Motions to send Liaison Statements:
 - Approve liaison response to ITU-T JCA on IMT2020 Roadmap:
<https://www.ieee802.org/1/files/public/docs2024/liaison-response-itu-t-JCA-RoadmapIMT2020-0324.pdf>
 - Approve liaison response to ITU-T SG15 on OTNT Standardization Work Plan Issue 33:
<https://www.ieee802.org/1/files/public/docs2024/liaison-itu-t-sg15-LS89-OTNTSWP33-ieee8021status-0324.pdf>
 - Approve sending liaison to IEEE 1588 on IEEE P802.1ASeb draft PAR.
<https://www.ieee802.org/1/files/public/docs2024/liaison-response-ieee1588-P8021ASebPARcomments-0324-v01.pdf>
 - Approve sending liaison response to BBF:
<https://www.ieee802.org/1/files/public/docs2024/liaison-response-BroadbandForum-YANG-0324-v01.pdf>
- Liaison Motions for ISO/IEC JTC1/SC6:
 - Approve submission of the comment responses to SC6 for ballot comments received on IEEE Std 802.1Qcj and IEEE Std 802.1Qcw
 - <https://www.ieee802.org/1/files/public/docs2024/liaison-randall-SC6CommentResponseQcj-0324.pdf>
 - <https://www.ieee802.org/1/files/public/docs2024/liaison-randall-SC6CommentResponseQcw-0324.pdf>
 - Approve liaison sending drafts to SC6 for adoption, when published: IEEE 802.1Qdj, IEEE 802.1Qdx

Promotion



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

802.1 PARs this session

- 802.1ASeb -
Amendment: Optional
Use of Announce,
PAR and CSD
 - [Responses](#) to other WG
comments

Normal session process




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

Other 802 PARs this session

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

WG Member Voting



- Access the web voting tool via the “Voting Member – Cast your vote” link on the 802.1 March 2024 plenary session page
- When asked to sign in, use your IEEE Account user name and password
- Click the  for IEEE 802.1 Closing Plenary – March 2024
- Motions will be opened, and visible under the “Open” tab after being announced.
- Click on  for motions currently requiring your vote
- Make your vote selection and click  to record your vote
- Keep the “*DirectVoteLive*” browser open during the meeting

802.1 consent agenda items for LMSC Closing Plenary

March 2024

(V2 – 802.1 version #)

Agenda

- PARs to NesCom
 - 5.021 – P802.1ASeb
- Drafts to SA Ballot
 - 5.022 – IEC/IEEE 60802
 - 5.023 – P802-REVC
 - ~~– 5.024 – P802.1Qdy~~
- Drafts to RevCom
 - ~~– 5.025 – P802.1DG~~
 - 5.026 – P802.1Qdj
 - ~~– 5.027 – P802.1ASdm~~
 - ~~– 5.028 – P802.1ASdn~~
 - 5.029 – P802.1Qdx

Agenda

- Liaisons and external communications (ME)
 - 7.0?? – Approve liaison of drafts for adoption to ISO/IEC JTC1/SC6 under the PSDO agreement
 - 7.031 – Approve responses to ballot comments received from SC6 on FDIS and CIB ballots
 - 7.032 – Approve 802.1 communication to ITU-T SG15
 - 7.033 – Approve 802.1 communication to ITU-T JCA IMT-2020
- Liaisons and external communications (II)
 - 7.034 – Approve 802.1 communication to Broadband Forum
 - 7.035 – Approve 802.1 communication to IEEE 1588

802.1 Motions

2024-03

Consent Agenda

PARs to NesCom

5.021 - Motion

- Approve forwarding P802.1ASeb PAR documentation in <https://www.ieee802.org/1/files/public/docs2024/eb-PAR-0324-v01.pdf> to NesCom
- Approve CSD documentation in <https://www.ieee802.org/1/files/public/docs2024/eb-CSD-0324-v01.pdf>
- In the WG, Proposed: Don Pannell, Second: Craig Gunther
 - PAR (y/n/a): 30, 1, 4
 - CSD (y/n/a): 30, 0, 4
- In EC, mover: Glenn Parsons, Second: Roger Marks
 - (y/n/a): <y>,<n>,<a>

802.1 Motions

2024-03

Consent Agenda

Drafts to SA Ballot

5.022 - Motion

- Conditionally approve sending IEC/IEEE 60802 D3.0 to Standards Association ballot
- Confirm the CSD for IEC/IEEE 60802 in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0088-01-ACSD-p60802.pdf>
- IEC/IEEE 60802 D2.2 had 98% approval at the end of the last WG ballot
- In the WG, Proposed: Ludwig Winkel, Second: János Farkas
 - Sending draft (y/n/a): 41, 0, 0
 - CSD (y/n/a): 39, 0, 2
- In EC, mover: Glenn Parsons, Second: Roger Marks
 - (y/n/a): <y>,<n>,<a>

Supporting Information IEC/IEEE 60802

- WG ballot closed: 9 March 2024
- All WG ballot requirements are met
- The ballot resulted in
 - 0 new Disapprove votes
 - 1 Disapprove vote maintained from initial WG ballot
 - 75 Must Be Satisfied (MBS) comments
- Comment resolution available here:
<https://www.ieee802.org/1/files/private/60802-drafts/d2/60802-d2-2-pdis-v03.pdf>
Recirculation ballot will be conducted during April/May with comment resolution in the regularly scheduled IEC/IEEE 60802 meetings. A possible final recirculation in May/June if required with comment resolution in the regularly scheduled IEC/IEEE 60802 meetings.

Ballot results:

CATEGORY	All Respondents	
	TOTAL	%
Yes	45	97.83%
No	1	2.17%
Voting Yes or No	46	100.00%
Abs. Time	2	3.08%
Abs. Expertise	12	18.46%
Abs. Other	0	0.00%
Respondents	65	
Voting members	60	
Non-voting	5	
No. of commenters	11	16.92%
No. of comments	102	

Supporting Information IEC/IEEE 60802

- Voters maintaining Disapprove vote from [initial WG ballot](#) on D2.1
 - Karl Weber
- MBS comments associated with the maintained Disapprove vote are on the following slides

Supporting Information IEC/IEEE 60802

Cl 6	SC 6.4.9.2.5.14	P108	L3756	# 476
Weber, Karl		Beckhoff Automation		
Comment Type	ER	Comment Status	A	
The reference to standards shall be done in a precise way, in case of IEEE Standards with IEEE Std xxx or in the Draft stage with IEEE Draft Std Pxxx.				
SuggestedRemedy				
Change this reference as well as the references in line 578, 776, 841, 909, 1382, 1472, 1586, 1837, 1838, 1839, 1963, 2562, 2563, 2564, 2569, 2570, 2571, 2577, 2727, 2818, footnote 6, 2996, 3063, 3287, 3291, 3828, 3832, 3884, 3888, 3583, 3586, 3897, 3937, 4203, 4729, 4738, 4762, 4771, 4824, 4833, 4869, 4878, 5821				
Response		Response Status W		
ACCEPT.				

Cl 5	SC 5.7.1	P47	L1532	# 477
Weber, Karl		Beckhoff Automation		
Comment Type	TR	Comment Status	A	
IEEE Std 802.1Q-2018 is not listed in normative references but 2022 version				
SuggestedRemedy				
Change reference to 2022				
Response		Response Status W		
ACCEPT.				

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

CI 5	SC 5.7.1	P47	L 1543	# 478
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
Sub-Clause 8.6.5.1.3 do not exist.				
SuggestedRemedy				
Change reference to the appropriate place in IEEE Std 802.1Q				
Response	Response Status		W	
ACCEPT IN PRINCIPLE. Change 8.6.5.1.3 to 8.6.5.5				

CI 5	SC 5.8.2	P49	L 1604	# 480
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
ad) in IEEE Std 802.1Q-2022, 5.4.1 do not specify preemption				
SuggestedRemedy				
Change to the right reference for preemption.				
Response	Response Status		W	
ACCEPT IN PRINCIPLE. IEEE Std 802.1Q-2022, 5.4.1 item ae)				

CI 5	SC 5.8.3	P49	L 1622	# 481
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
No tick granularity specified in 8.6. The whole document do not contain such a phrase but only "tick" in some other subclauses.				
SuggestedRemedy				
Use as the reference to tick Figure 8-18 and phrase the duration of a "tick cycle shall be" als tick toggles between false and true (see Figure 8-20 of the referenced document).				
Response	Response Status		W	
ACCEPT IN PRINCIPLE. Change item 1) to read:				
TickGranularity of less than or equal to 10 ns according to IEEE Std 802.1Q-2022, 8.6.9.4.16 and Table 12-32.				

CI 5	SC 5.8.3	P49	L 1629	# 482
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
ad) in IEEE Std 802.1Q-2022, 5.4.1 do not specify preemption				
SuggestedRemedy				
Change to the right reference for preemption.				
Response	Response Status		W	
ACCEPT. Change reference to IEEE Std 802.1Q-2022, 5.4.1 ae).				

CI 6	SC 6.4.9.2.5.3	P101	L 3468	# 483
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
"ietf-yang-push YANG module" is mentioned only in annex A and it is not clear what this requirement means.				
SuggestedRemedy				
Reference clause number for the yang module (4.1) and change to "YANG module ietf-yang-push".				
Response	Response Status		W	
ACCEPT IN PRINCIPLE. Add a reference to 4.1 to the text on line 3468.				

CI 2	SC 2	P12	L 417	# 485
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
Document not referenced, not clear what should be normative				
SuggestedRemedy				
Delete reference				
Response	Response Status		W	
ACCEPT.				

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

CI 2	SC 2	P12	L419	# 486
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
Document not referenced, not clear what should be normative				
SuggestedRemedy				
Delete reference				
Response	Response Status W			
ACCEPT.				

CI 6	SC 6.4.9.2.5.3	P101	L3466	# 487
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
"ietf-yang-push YANG module" is mentioned only in annex A and it is not clear what this requirement means.				
SuggestedRemedy				
Reference clause number for the yang module (4.1) and change to "YANG module ietf-yang-push".				
Response	Response Status W			
ACCEPT IN PRINCIPLE. Add a reference to Clause 5 in the text on line 3466.				

CI 2	SC 2	P15	L555	# 488
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
Recommendations should not be a normative reference				
SuggestedRemedy				
Move to bibliography				
Response	Response Status W			
ACCEPT IN PRINCIPLE. While the document title includes the word "Recommendations" (i.e., recommendations for government use"), elements of the document are normatively referenced in the text (see 5.5.4.2 item b).				

CI 2	SC 2	P15	L546	# 489
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
draft-ietf-netconf-keystore-26 is now draft-ietf-netconf-keystore-28				
SuggestedRemedy				
change to draft-ietf-netconf-keystore-28				
Response	Response Status W			
ACCEPT.				

CI 2	SC 2	P15	L541	# 490
Weber, Karl Beckhoff Automation				
Comment Type	ER	Comment Status	A	
The drafts do not contain authors as the other IETF RFCs do.				
SuggestedRemedy				
Add authors to the drafts (4 times)				
Response	Response Status W			
ACCEPT.				

CI 6	SC 6.4.9.2.4.1	P100	L3398	# 491
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
2x should be 28 and there is no subclause				
SuggestedRemedy				
Change 2x to 28 and add ", 2.1.1"				
Response	Response Status W			
ACCEPT IN PRINCIPLE. Remove all draft numbers from the document as these will be updated with the published standard or eliminated prior to publication of this document.				
Add a reference to subclause 2.1.1.				

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

CI 6 SC 6.4.9.2.4.1 P100 L3402 # 492
Weber, Karl Beckhoff Automation
Comment Type TR Comment Status A
2x should be 28 and there is no subclause
SuggestedRemedy
Change 2x to 28 and add ", 2.3"
Response Response Status W
ACCEPT IN PRINCIPLE. Remove all draft numbers from the document as these will be updated with the published standard or eliminated prior to publication of this document.
Add a reference to subclause 2.3.

CI 6 SC 6.4.9.2.4.3 P101 L3433 # 493
Weber, Karl Beckhoff Automation
Comment Type TR Comment Status A
2x should be 21 and there is no subclause
SuggestedRemedy
Change 2x to 21 and add ", 2.1.1"
Response Response Status W
ACCEPT IN PRINCIPLE. Remove draft numbers from IETF and IEEE references since these drafts must be published or the references eliminated prior to publication.
Add a reference to 2.1.1.

CI 6 SC 6.4.9.2.4.3 P101 L3437 # 494
Weber, Karl Beckhoff Automation
Comment Type TR Comment Status A
12x should be 21 and there is no subclause
SuggestedRemedy
Change 12x to 21 and add ", 2.3"
Response Response Status W
ACCEPT IN PRINCIPLE. Remove draft numbers from IETF and IEEE references since these drafts must be published or the references eliminated prior to publication.
Add a reference to 2.3.

CI 5 SC 5.5.4.2 P44 L1406 # 495
Weber, Karl Beckhoff Automation
Comment Type TR Comment Status A
Normative statement in note ("is not used" and referencing to this document means de facto "shall not be used" as it cannot be a statement of fact)
SuggestedRemedy
Move this as shall statement to the list as "non included " feature
Response Response Status W
ACCEPT IN PRINCIPLE. Delete the note.

CI C SC C.3 P167 L6082 # 496
Weber, Karl Beckhoff Automation
Comment Type TR Comment Status A
The statement indicates a normative requirement but is in an informative annex.
SuggestedRemedy
Move it to normative parts
Response Response Status W
ACCEPT IN PRINCIPLE. Change to read:
"The performance of the clock control system can be described using the frequency response as follows:"

CI D SC D.1 P169 L6107 # 497
Weber, Karl Beckhoff Automation
Comment Type TR Comment Status A
The statement indicates a normative requirement but is in an informative annex.
SuggestedRemedy
Move it to normative parts
Response Response Status W
ACCEPT IN PRINCIPLE. Remove the column labeled "normative or informative"

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

Cl 5	SC 5.8.3	P49	L 1622	# 501
Weber, Karl		Beckhoff Automation		
Comment Type	TR	Comment Status	A	
The tick modell is an abstract model which assumes a correlation to the exact time implementation may use MII send clock as trigger that provides a good trigger source but has a granularity of 40 ns.				
SuggestedRemedy				
Change the requirement that the send time error caused by additional means beyond the send timing of the PHY is equal or less than 10 ns. Change this also in ccA list.				
Response	Response Status		W	
ACCEPT IN PRINCIPLE. Change item 1) to read:				
TickGranularity of less than or equal to 10 ns according to IEEE Std 802.1Q-2022, 8.6.9.4.16 and Table 12-32.				
With this change the statement no longer refers to an abstract model.				

Cl 5	SC 5.8.3	P49	L 1622	# 502
Weber, Karl		Beckhoff Automation		
Comment Type	TR	Comment Status	R	
5.8.3 Line 1626 specify a more stringend requirement and thus, this requirement shall be skipped				
SuggestedRemedy				
Delete requirement. Remove this also in ccA list.				
Response	Response Status		U	
REJECT. These requirements refer to 2 different things.				

Cl 5	SC 5.8.2	P49	L 1601	# 503
Weber, Karl		Beckhoff Automation		
Comment Type	TR	Comment Status	A	
There is no "IEEE Std 802.1Q-2022, Figure 12.6"				
SuggestedRemedy				
Correct figure reference. Correct also in ccB list				
Response	Response Status		W	
ACCEPT IN PRINCIPLE. Change to read: "IEEE Std 802.1Q-2022, Figure 12-6".				

Cl 5	SC 5.8.2	P49	L 1599	# 504
Weber, Karl				
Beckhoff Automation				
Comment Type	TR	Comment Status	R	
This requirement should state that this is not an absolute error but is relative to the local clock with an error budget of 1 μ s. Thus, a 10 ns requirement is questionable in regards to the overall error budget.				
SuggestedRemedy				
The error should be seen in relation to the time error. The error itself is a matter of loss of bandwidth. Thus, 40 -100 ns seems to be more than acceptable. It may be acceptable for some applications to have higher values without significant impact. Correct also in ccB list.				
Response	Response Status U			
REJECT. This is a measure of timestamp error. It is relative to the bridge or end station. The 1 us budget is for a 100 hop network, not a single PTP instance.				

Cl 6	SC 6.4.9.2.5.10	P104	L3583	# 505
Weber, Karl		Beckhoff Automation		
Comment Type	ER	Comment Status	A	
"IEEE Std 802.1Q-2022-2018" is not clear in regards of the year.				
SuggestedRemedy				
Change to "IEEE Std 802.1Q-2022"				
Response	Response Status		W	
ACCEPT.				

Cl 6	SC 6.4.9.2.5.10	P104	L3586	# 506
Weber, Karl		Beckhoff Automation		
Comment Type	ER	Comment Status	A	
IEEE Std 802.1Q-2022-2018				
SuggestedRemedy				
Change to "IEEE Std 802.1Q-2022"				
Response	Response Status		W	
ACCEPT.				

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

CI 2	SC 2	P13	L 442	# 507
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
IEEE Draft Std 802.1Qcw was approved as IEEE Std in September.				
SuggestedRemedy				
Remove "Draft" and "P" text in Brackets and add "-2023" after "Qcw"				
Response	Response Status		W	
ACCEPT.				

CI 4	SC 4.8.5	P39	L 1152	# 508
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
name and YANG modules the other way around as usual				
SuggestedRemedy				
Put YANG module after their names				
Response	Response Status		W	
ACCEPT IN PRINCIPLE. Change the bullet to read:				
"The expectations on client identity are established by the contents of the ietf-netconf-acm and ietf-x509-cert-to-name YANG modules."				

CI 4	SC 4.8.6.1	P39	L 1171	# 509
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
ietf-hardware is only in some parts of RFC 8348				
SuggestedRemedy				
add according to clause 3 and 7.1				
Response	Response Status		W	
ACCEPT IN PRINCIPLE. Change text to read:				
ietf-hardware YANG module contents (IETF RFC 8348, Clause 3 and 7.1).				

CI 6	SC 6.4.9.2.4.1	P100	L 3404	# 510
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
All nodes optional that means that this could be skipped				
SuggestedRemedy				
If all is optional the sentence above should be changed "shall" to "should"				
Response	Response Status		W	
ACCEPT IN PRINCIPLE. Change the text of 3.5.2 to read:				
The digital data sheet expresses device capabilities and therefore, not all nodes in A YANG module need be included in the digital data sheet. YANG nodes in 6.4 marked with [m], are mandatory nodes in the digital datasheet, nodes marked with [c] are conditional mandatory if the IA-station supports the corresponding optional functionality. Nodes marked with [o] are optional nodes in the digital datasheet. These marking in no way affect whether the feature and associated YANG module is required for the IA-station. Please refer to Clause 5 for conformance criteria for the IA-station.				
Add a sentence to 6.4.9.1:				
The markings (i.e., [m], [o], [c]) indicate whether the node is included in the digital data sheet (see 3.5.4). These markings are independent of the conformance criteria for an IA-station (see 5.2).				

CI 6	SC 6.4.9.2.2	P97	L 3251	# 511
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
[o] or [m] missing				
SuggestedRemedy				
add [o] or [m]				
Response	Response Status		W	
ACCEPT IN PRINCIPLE. add [o] on lines 3251 and 3253. Order the elements to show the container directly above the elements it contains.				

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

Cl 6 SC 6.4.9.2.1 P96 L3237 # 512

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

All nodes optional that means that this could be skipped

SuggestedRemedy

If all is optional the sentence above should be changed "shall" to "should"

Response Response Status W

ACCEPT IN PRINCIPLE. Change the text of 3.5.2 to read:

The digital data sheet express device capabilities and therefore, not all nodes in A YANG module need be included in the digital data sheet. YANG nodes in 6.4 marked with [m], are mandatory nodes in the digital datasheet, nodes marked with [c] are conditional mandatory if the IA-station supports the corresponding optional functionality. Nodes marked with [o] are optional nodes in the digital datasheet. These marking in no way affect whether the feature and associated YANG module is required for the IA-station. Please refer to Clause 5 for conformance criteria for the IA-station.

Add a sentence to 6.4.9.1:

The markings (i.e., [m], [o], [c]) indicate whether the node is included in the digital data sheet (see 3.5.4). These markings are independent of the conformance criteria for an IA-station (see 5.2).

Cl 6 SC 6.4.9.2.4.2 P100 L3423 # 513

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

All nodes optional that means that this could be skipped

SuggestedRemedy

If all is optional the sentence above should be changed "shall" to "should"

Response Response Status W

ACCEPT IN PRINCIPLE. Change the text of 3.5.2 to read:

The digital data sheet expresses device capabilities and therefore, not all nodes in A YANG module need be included in the digital data sheet. YANG nodes in 6.4 marked with [m], are mandatory nodes in the digital datasheet, nodes marked with [c] are conditional mandatory if the IA-station supports the corresponding optional functionality. Nodes marked with [o] are optional nodes in the digital datasheet. These marking in no way affect whether the feature and associated YANG module is required for the IA-station. Please refer to Clause 5 for conformance criteria for the IA-station.

Add a sentence to 6.4.9.1:

The markings (i.e., [m], [o], [c]) indicate whether the node is included in the digital data sheet (see 3.5.4). These markings are independent of the conformance criteria for an IA-station (see 5.2).

Cl 6 SC 6.4.9.2.4.3 P100 L3438 # 514

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

All nodes optional that means that this could be skipped

SuggestedRemedy

If all is optional the sentence above should be changed "shall" to "should"

Response Response Status W

ACCEPT IN PRINCIPLE. Change the text of 3.5.2 to read:

The digital data sheet expresses device capabilities and therefore, not all nodes in A YANG module need be included in the digital data sheet. YANG nodes in 6.4 marked with [m], are mandatory nodes in the digital datasheet, nodes marked with [c] are conditional mandatory if the IA-station supports the corresponding optional functionality. Nodes marked with [o] are optional nodes in the digital datasheet. These marking in no way affect whether the feature and associated YANG module is required for the IA-station. Please refer to Clause 5 for conformance criteria for the IA-station.

Add a sentence to 6.4.9.1:

The markings (i.e., [m], [o], [c]) indicate whether the node is included in the digital data sheet (see 3.5.4). These markings are independent of the conformance criteria for an IA-station (see 5.2).

Cl 6 SC 6.4.9.2.5.5 P102 L3492 # 515

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

All nodes optional that means that this could be skipped

SuggestedRemedy

If all is optional the sentence above should be changed "shall" to "should"

Response Response Status W

ACCEPT IN PRINCIPLE. Change the text of 3.5.2 to read:

The digital data sheet expresses device capabilities and therefore, not all nodes in A YANG module need be included in the digital data sheet. YANG nodes in 6.4 marked with [m], are mandatory nodes in the digital datasheet, nodes marked with [c] are conditional mandatory if the IA-station supports the corresponding optional functionality. Nodes marked with [o] are optional nodes in the digital datasheet. These marking in no way affect whether the feature and associated YANG module is required for the IA-station. Please refer to Clause 5 for conformance criteria for the IA-station.

Add a sentence to 6.4.9.1:

The markings (i.e., [m], [o], [c]) indicate whether the node is included in the digital data sheet (see 3.5.4). These markings are independent of the conformance criteria for an IA-station (see 5.2).

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

Cl 6 SC 6.4.9.2.5.8 P104 L3555 # 516

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

[o] or [m] missing

SuggestedRemedy

add [o] or [m]

Response Response Status W

ACCEPT IN PRINCIPLE. Change the bullet on line 2187 to read:

Their corresponding values from the single "chassis" component list entry in the ietf-hardware YANG module (see 6.4.9.2.5.8) that represents the management entity of the IA-station respectively from its pre-material form in percent-encoding (see IETF RFC 3986).

Delete the text on lines 3553 through 3559.

Cl 6 SC 6.4.9.2.5.12 P107 L3716 # 518

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

All nodes optional that means that this could be skipped

SuggestedRemedy

If all is optional the sentence above should be changed "shall" to "should"

Response Response Status W

ACCEPT IN PRINCIPLE. Change the text of 3.5.2 to read:

The digital data sheet expresses device capabilities and therefore, not all nodes in A YANG module need be included in the digital data sheet. YANG nodes in 6.4 marked with [m], are mandatory nodes in the digital datasheet, nodes marked with [c] are conditional mandatory if the IA-station supports the corresponding optional functionality. Nodes marked with [o] are optional nodes in the digital datasheet. These marking in no way affect whether the feature and associated YANG module is required for the IA-station. Please refer to Clause 5 for conformance criteria for the IA-station.

Add a sentence to 6.4.9.1:

The markings (i.e., [m], [o], [c]) indicate whether the node is included in the digital data sheet (see 3.5.4). These markings are independent of the conformance criteria for an IA-station (see 5.2).

Cl 6 SC 6.4.9.2.5.13 P108 L3735 # 519

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

All nodes optional that means that this could be skipped

SuggestedRemedy

If all is optional the sentence above should be changed "shall" to "should"

Response Response Status W

ACCEPT IN PRINCIPLE. Change the text of 3.5.2 to read:

The digital data sheet expresses device capabilities and therefore, not all nodes in A YANG module need be included in the digital data sheet. YANG nodes in 6.4 marked with [m], are mandatory nodes in the digital datasheet, nodes marked with [c] are conditional mandatory if the IA-station supports the corresponding optional functionality. Nodes marked with [o] are optional nodes in the digital datasheet. These marking in no way affect whether the feature and associated YANG module is required for the IA-station. Please refer to Clause 5 for conformance criteria for the IA-station.

Add a sentence to 6.4.9.1:

The markings (i.e., [m], [o], [c]) indicate whether the node is included in the digital data sheet (see 3.5.4). These markings are independent of the conformance criteria for an IA-station (see 5.2).

Cl 6 SC 6.4.9.2.5.14 P108 L3758 # 520

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

All nodes optional that means that this could be skipped

SuggestedRemedy

If all is optional the sentence above should be changed "shall" to "should"

Response Response Status W

ACCEPT IN PRINCIPLE. Change the text of 3.5.2 to read:

The digital data sheet expresses device capabilities and therefore, not all nodes in A YANG module need be included in the digital data sheet. YANG nodes in 6.4 marked with [m], are mandatory nodes in the digital datasheet, nodes marked with [c] are conditional mandatory if the IA-station supports the corresponding optional functionality. Nodes marked with [o] are optional nodes in the digital datasheet. These marking in no way affect whether the feature and associated YANG module is required for the IA-station. Please refer to Clause 5 for conformance criteria for the IA-station.

Add a sentence to 6.4.9.1:

The markings (i.e., [m], [o], [c]) indicate whether the node is included in the digital data sheet (see 3.5.4). These markings are independent of the conformance criteria for an IA-station (see 5.2).

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

CI 5	SC 5.5.4.4	P45	L 1449	# 523
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
The statment mandates that the nodes marked with [c] appear in the file but the statement in 3.5.4 mandates this only if the corresponding optional feature is present				
SuggestedRemedy				
Align the statement to express that this is only mandatory in case of the corresponding optional feature is used.				
Response	Response Status W			
ACCEPT IN PRINCIPLE. Change the sentence beginning on line 1448 to read:				
"The instance data file shall contain at least the YANG nodes of 6.4.9 that are marked with [m]. Nodes marked with [c] shall be included if the associated feature is supported."				

CI 6	SC 6.4.9.2.4.3	P101	L 3433	# 524
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
There is no feature "central-keystore-supported" defined in the referenced document (version 21)				
SuggestedRemedy				
update to central-truststore-supported				
Response	Response Status W			
ACCEPT.				

CI 6	SC 6.4.9.2.3.3	P100	L 3389	# 525
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
"ieee802-dot1as-hs" seems to be misleading				
SuggestedRemedy				
Change to tieee802-dot1as-ptp				
Response	Response Status W			
ACCEPT IN PRINCIPLE. change ieee802-dot1as-ptp to ieee802-dot1as-hs and P802.1ASdn to P802.1ASdm in line 3390.				

CI 5	SC 5.5.4.2	P45	L 1419	# 526
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
6.4.9.2.4.2 do not specify features and leaves but nodes				
SuggestedRemedy				
Remove this element from the list and provide a specific requirements refering to nodes				
Response	Response Status W			
ACCEPT IN PRINCIPLE. Change the text to read:				
"The YANG features and nodes of:"				

CI 4	SC 4.8.5	P38	L 1137	# 527
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
clause 6 of RFC 7589 mandates server checking and clause 7 client verification				
SuggestedRemedy				
Add claus number and change client "check" by "verification"				
Response	Response Status W			
ACCEPT IN PRINCIPLE. Change the text to read:				
"IETF RFC 7589 (NETCONF-over-TLS) specifies that NETCONF clients check the identity of NETCONF servers (IETF RFC 7589, Clause 6) and that NETCONF servers verify the identity of NETCONF clients (IETF RFC 7589, Clause 7)."				

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

Cl 5 SC 5.5.4.2 P44 L1409 # 530

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

No definition for TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 found in the referenced documents.

SuggestedRemedy

Check the source for this Term and specify document and clause number IETF RFC 5289 3.2 and clause 5?)

Response Response Status W

ACCEPT IN PRINCIPLE. Change 6.3.2.1.2 item b), line 2030 to read:

b) The cipher suite TLS_ECDHE_ECDSA_WITH_AES_128_GCM_SHA256 according to IETF RFC 5289, 3.2 and Clause 5, shall be supported. The cipher suites TLS_ECDHE_ECDSA_WITH_AES_256_GCM_SHA384 according to IETF RFC 5289, 3.2 and Clause 5, and TLS_ECDHE_ECDSA_WITH_CHACHA20_POLY1305_SHA256 according to IETF RFC 7905, Clause 2, may be supported.

Cl 6 SC 6.3.2.1.2 P65 L2033 # 531

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

TLS_RSA_WITH_AES_128_CBC_SHA reference as mandatory missing

SuggestedRemedy

add "1.2" after IETF RFC 5246

Response Response Status W

ACCEPT IN PRINCIPLE.

Change item c) to a note that reads as follows:

"IETF RFC 7589 implicitly mandates the cipher suite TLS_RSA_WITH_AES_128_CBC_SHA by referring to IETF RFC 5246. This cipher suite is not used in this document because it requires excessive asymmetric key lengths, it is not an Authenticated Encryption with Associated Data (AEAD) scheme, and it does not provide perfect forward secrecy."

Delete the PCS entry cooresponding to item c)

Cl 6 SC 6.3.2.1.2 P65 L2028 # 532

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

"Mutual authentication in conjunction with the IDevID and LDevID-NETCONF credentials according to 6.3.4 and 6.3.5." is not a sentence and as the list contains also "shall not" and "may" it is unclear what this fragent of sentence means

SuggestedRemedy

"shall be supported" after "credential"

Response Response Status W

ACCEPT IN PRINCIPLE. The formatting of the list is per the IEC style guide. A colon is only used if the list is considered a continuation of the sentence as in 2045.

change line 2047 to read: "with mutual authentication according to the following list of requirements and options."

Correct the forming of the list beginning on line 2045.

add "shall be supported" to the end of item a)

Change item c) to a note that reads as follows:

"IETF RFC 7589 implicitly mandates the cipher suite TLS_RSA_WITH_AES_128_CBC_SHA by referring to IETF RFC 5246. This cipher suite is not used in this document because it requires excessive asymmetric key lengths, it is not an Authenticated Encryption with Associated Data (AEAD) scheme, and it does not provide perfect forward secrecy."

Delete the PCS entry cooresponding to item c)

Change item d) to a note that reads as follows:

"IETF draft-ietf-netconf-over-tls13 mandates the cipher suite TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256. This cipher suite is not used in this document because it requires excessive asymmetric key lengths.

Move this note below item g)

Delete the PCS entry cooresponding to item d)

Supporting Information IEC/IEEE 60802

60802-D2-1 60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

Cl 6	SC 6.3.2.1.2	P65	L2026	# 533
Weber, Karl		Beckhoff Automation		
Comment Type	TR	Comment Status	A	
Normative statement but the following list contains optional elements item f)				
SuggestedRemedy				
Delete "of requirements" and replace "." by ":"				
Response	Response Status W			
ACCEPT IN PRINCIPLE. The formatting of the list is per the IEC style guide. A colon is only used if the list is considered a continuation of the sentence as in 2045.				
change line 2047 to read: "with mutual authentication according to the following list of requirements and options."				
Correct the formatting of the list beginning on line 2045.				
add "shall be supported" to the end of item a)				
Change item c) to a note that reads as follows:				
"IETF RFC 7589 implicitly mandates the cipher suite TLS_RSA_WITH_AES_128_CBC_SHA by referring to IETF RFC 5246. This cipher suite is not used in this document because it requires excessive asymmetric key lengths, it is not an Authenticated Encryption with Associated Data (AEAD) scheme, and it does not provide perfect forward secrecy."				
Delete the PCS entry cooresponding to item c)				
Change item d) to a note that reads as follows:				
"IETF draft-ietf-netconf-over-tls13 mandates the cipher suite TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256. This cipher suite is not used in this document because it requires excessive asymmetric key lengths.				
Move this note below item g)				
Delete the PCS entry cooresponding to item d)				

Cl 6	SC 6.3.2.1.2	P65	L2045	# 534
Weber, Karl		Beckhoff Automation		
Comment Type	TR	Comment Status A		
This statement is in conflict with line 2026 as only one version of a protocol is used. The specification should refer to protocol implementation in a device and not to the protocol usage in general.				
SuggestedRemedy				
Specify that an IA-Station shall implement TLS 1.2 and may implement TLS 1.3				
Response	Response Status W			
ACCEPT IN PRINCIPLE. Change line 2026 to read:				
"TLS protocol version 1.2 according to IETF RFC 5246, 6.2.3.3, 7.4.7.2 and 8.1.2 shall be supported with mutual authentication according to the following list of requirements and options."				
Change line 2045 to read:				
"TLS protocol version 1.3 according to IETF RFC 8446, may be supported with mutual authentication for NETCONF/YANG as follows:"				

Cl 6	SC 6.3.2.1.1	P65	L2020	# 536
Weber, Karl		Beckhoff Automation		
Comment Type	TR	Comment Status A		
RFC 6242 is referenced here but just to say that this RFC is not used. Thus, RFC 6242 do not have any normative requirements for 60802.				
SuggestedRemedy				
Move RFC 6242 to Bibliography				
Response	Response Status W			
ACCEPT IN PRINCIPLE. The prohibition is untestable. Replace "NETCONF-over-SSH according to IETF RFC 6242 shall not be used" with NETCONF-over-SSH according to IETF RFC 6242 is not used"				
Remove the corresponding PCS entry				
Move RFC 6242 to the bibliography.				

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

Cl 6 SC 6.3.2.1.3 P65 L2057 # 538
Weber, Karl Beckhoff Automation
Comment Type TR Comment Status A
"The certificate-to-name mapping procedure in IETF RFC 7589 shall be as follows." But there is no way to specify normative requirements to RFC 7589 here.
SuggestedRemedy
Rephrase to "The certificate-to-name mapping procedure is defined in IETF RFC 7589, clause 7."
Response Response Status W
ACCEPT IN PRINCIPLE. Replace "The certificate-to-name mapping procedure in IETF RFC 7589 shall be as follows." with "The IETF RFC 7589 based certificate-to-name mapping procedure is as follows."

Cl 6 SC 6.3.1 P19 L631 # 540
Weber, Karl Beckhoff Automation
Comment Type TR Comment Status A
There is no "LDevID-NETCONF credential" defined in IEEE 802.1AR. Clause 6 of IEEE 802.1AR describes DevID and 6.4 the process of generating LDevID. NETCONF is not represented in the cited standard. This is a specific instance.
SuggestedRemedy
Specify what a "LDevID-NETCONF" is. Reference to IEEE 802.1AR clause 6 or clause 6.4.
Response Response Status W
ACCEPT IN PRINCIPLE. Change "LDevID-NETCONF credential" to "LDevID credential"

Cl 6 SC 6.3.4.3.2 P74 L2453 # 541
Weber, Karl Beckhoff Automation
Comment Type TR Comment Status A
The origin of "ietf-crypto-types" is not clear but is referenced here and on several other places
SuggestedRemedy
Put a reference to ietf-crypto-types here and on the other places
Response Response Status W
ACCEPT IN PRINCIPLE. Change to"
"according to draft-ietf-netconf-crypto-types"
Remove draft numbers from IETF and IEEE references.

Cl 6 SC 6.3.4.3.2 P74 L2451 # 542
Weber, Karl Beckhoff Automation
Comment Type TR Comment Status A
"p10-csr" is not defined
SuggestedRemedy
Add a definition of p10-csr
Response Response Status W
ACCEPT IN PRINCIPLE. Change to"
"according to draft-ietf-netconf-crypto-types"
Remove draft numbers from IETF and IEEE references.

Cl 6 SC 6.5.2.4.3 P145 L5622 # 546
Weber, Karl Beckhoff Automation
Comment Type TR Comment Status A
imprint has a specific meaning to create certain objects but port names are not in the definition of imprint.
SuggestedRemedy
replace imprint by given
Response Response Status W
ACCEPT IN PRINCIPLE. Change the text to read:
"The names should match the port names printed on the chassis"

Cl 6 SC 6.3.4.1 P72 L2371 # 549
Weber, Karl Beckhoff Automation
Comment Type TR Comment Status A
No reference for X.509 v3 given here
SuggestedRemedy
Add a reference to the definition of X.509 v3
Response Response Status W
ACCEPT IN PRINCIPLE. Change text to read:
"and the corresponding X.509 v3 end entity certificate according to IETF RFC 5280, Clause 4"

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

CI 6 SC 6.3.4.2 P73 L2424 # 551

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

unclear what "ietf-crypto-types" means

SuggestedRemedy

Add a reference (5 occurrences)

Response Response Status W

ACCEPT IN PRINCIPLE. Change to"

"draft-ietf-netconf-crypto-types"

Remove draft numbers from IETF and IEEE references.

CI 00 SC 0 P L # 552

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

"ietf-truststore" used in several ways within the document, sometimes as YANG module, here as document (draft-), sometimes stand alone

SuggestedRemedy

Define a reference for the different usage.

Response Response Status W

ACCEPT IN PRINCIPLE. DDelete [draft-] in items 1 (line 1418) and 3 (line 1420).

Please refer to the note on line 535. All drafts will be updated or removed at that time.

CI 6 SC 6.3.3.4.2.6 P71 L2319 # 555

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

There is no reference to the definition of (X.509) CRL objects.

SuggestedRemedy

Decide to use CRL or X.509 CRL or X.509 v2 CRL. Add reference to ISO/IEC 9594-8 7.10 and RFC 5280 Clause 5 change this in line 2283, 2327, 2327 (the references may not be the same at all places).

Response Response Status W

ACCEPT IN PRINCIPLE. Change "X.509 CRL objects" to read "X.509 CRL objects according to IETF RFC 5280, Clause 5" on line 2319.

Change "optionally CRL object" to read "optionally X.509 CRL objects according to IETF RFC 5280, Clause 5" on line 2283

CI 6 SC 6.3.5 P76 L2552 # 556

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

Not clear what "end entity server certificate" is while other places use "end entity certificate" used at other places.

SuggestedRemedy

Correct this or explain the difference referring to the place of definition for that.

Response Response Status W

ACCEPT IN PRINCIPLE. Replace with "end entity certificate of the NETCONF server".

CI 5 SC 5.5.4.2 P45 L1414 # 558

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

RFC 5280 is referenced twice.

SuggestedRemedy

If this is an error reference to the right standard. Make one reference with a list of subclauses otherwise

Response Response Status W

ACCEPT IN PRINCIPLE. Remove "(IETF RFC 5280) ".

CI 5 SC 5.5.4.2 P45 L1418 # 562

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

Unclear what [draft-] should do

SuggestedRemedy

Make a reference to draft-ietf-netconf-keystore-28 and delete [draft-]

Response Response Status W

ACCEPT IN PRINCIPLE. Delete [draft-] in items 1 and 3.

Please refer to the note on line 535. All drafts will be updated or removed during SA Ballot.

Supporting Information IEC/IEEE 60802

60802-D2-1					60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments					TSN Profile for IA				
CI 5	SC 5.5.4.2	P45	L1420	# 563	CI 6	SC 6.4.9.4.1	P112	L3930	# 565					
Weber, Karl					Weber, Karl									
Beckhoff Automation					Beckhoff Automation									
Comment Type	TR	Comment Status	A		Comment Type	TR	Comment Status	A						
Unclear what [draft-] should do					draft-ietf-netconf-client-server is referenced but there is no normative reference									
<i>SuggestedRemedy</i>					<i>SuggestedRemedy</i>									
Make a reference to draft-ietf-netconf-trust-anchors-19 and delete [draft-]					Add normative reference and append version number here and at the other 2 occurrences (line 3710 and 3714)									
<i>Response</i>					<i>Response</i>									
<i>Response Status</i> W					<i>Response Status</i> W									
ACCEPT IN PRINCIPLE. Delete [draft-] in items 1 and 3.					ACCEPT IN PRINCIPLE. Add a reference to:									
Please refer to the note on line 535. All drafts will be updated or removed at that time.					"draft-ietf-netconf-netconf-client-server, 2.1.1" at line 3930									
					"draft-ietf-netconf-netconf-client-server, 2.1.1" at line 3910									
					"draft-ietf-netconf-netconf-client-server, 2.1.1" at line 3914									
					Add draft-ietf-netconf-netconf-client-server to the list of normative references.									

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

Cl 2	SC 2	P15	L 548	# 566
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
The referenced documnet is not used				
SuggestedRemedy				
Delete document or add reference				
Response				
Response Status W				
ACCEPT IN PRINCIPLE. The reference is used several time through the document, however, it is referenced as "ietf-crypto-types"				
Change all such occurences to read:				
"draft-ietf-netconf-crypto-types"				

Cl 2	SC 2	P15	L 1504	# 567
Weber, Karl Beckhoff Automation				
Comment Type	ER	Comment Status	A	
Reference to draft-ietf document with another expression				
SuggestedRemedy				
Adjust to the othe references				
Response				
Response Status W				
ACCEPT IN PRINCIPLE. On page 47, not 15.				
Change item h) to read:				
"Support the YANG features and leaves of the ietf-keystore (draft-ietf-netconf-keystore) with component-internal or component-external generation of asymmetric key pairs according to 6.3.4.3.				

Cl 6	SC 6.3.3.2.3	P68	L 2204	# 568
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	A	
No reference to the place of the NIST documents to find the definitions.				
SuggestedRemedy				
Propose to change to "NIST FIPS 186-4 ??? and NIST SP 800-186, 3.2.1.5" further lines affected 1489, 2042 (Ed25519??)				
Response				
Response Status W				
ACCEPT IN PRINCIPLE. It appears the elliptic curve recommendation moved from annex D in FIPS 186-4 to SP 800-186 for FIPS 186-5.				
Change text to read:				
"ECDSA P-521/SHA-512 according to NIST FIPS 186-5/180-4 and NIST SP 800-186 using the algorithm identifiers according to IETF RFC 5480"				

Cl 3	SC 3.5.8.1	P104	L 3581	# 570
Weber, Karl Beckhoff Automation				
Comment Type	TR	Comment Status	R	
There are quite a few [m] requirements but it is unclear what allowed values are given in 60802 (e.g. bridge-type, extended-filtering, traffic-classes, static-entry-individual-port, ivl-capable, svl-capable, size, maxmsti).				
SuggestedRemedy				
Add a list of allowed values that shall be used				
Response				
Response Status W				
REJECT. Do not add a list of allowed values, because values				
• can either be derived from IEC/IEEE 60802 Clause 5 (e.g. /ieee802-dot1q-bridge/bridges/bridge/component/type = c-vlan-component), or				
• should not be restricted (e.g. no prohibitions of /ieee802-dot1q-bridge/bridges/bridge/component/capabilities).				

Supporting Information IEC/IEEE 60802

60802-D2-1

60802-D2-1 TSN Profile for Industrial Automation 2nd Working Group recirculation ballot comments

TSN Profile for IA

CI 3 SC 3.5.8.1 P104 L3581 # 571

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

Mandatory values in End Stations: it is unclear why the bridge YANG module is needed and which "Bridge-Type" it should be. Most values have absolutely no meaning such as msti. The overhead for maintaining a filter database is at least at send direction does not provide any advantage. There is no clear definition what to do with bridge items in an end station and most end station designs as of today may not have an extended filtering database.

SuggestedRemedy

Move Bridge Yang module to bridge requirements.

Response Response Status W

ACCEPT IN PRINCIPLE. Update the draft according to:

<https://www.ieee802.org/1/files/public/docs2024/60802-Dorr-YANG-selection-upd-0124-v1.pdf>

CI 5 SC 5.10.1 P50 L1690 # 572

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

It seems that stream identification is not only an optional feature for end stations but for bridges as well.

SuggestedRemedy

Add this item and item c) in the list of optional requirements for IA stations

Response Response Status W

ACCEPT IN PRINCIPLE. Add null stream identification as a common Bridge requirement and other forms of stream identification as a common Bridge option,

CI 5 SC 5.5.4 P44 L1381 # 573

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

item f) seems redundant with item h)

SuggestedRemedy

remove one of those items

Response Response Status W

ACCEPT IN PRINCIPLE. Delete item h).

CI 5 SC 5.7.1 P47 L1519 # 576

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

number of minimum VID (10) does not fit to example below that describes the usage of 8 VIDs, why now 10 instead of 8 minimum VIDs

SuggestedRemedy

please clarify where the increasing from 8 to minimum 10 VIDs comes from and change example to 10 VID usage

Response Response Status W

ACCEPT IN PRINCIPLE. The note actually lists usage of 10 VIDs but the introductory sentence is incorrect. Change Note 1 to read:

"NOTE 1 An example use case for 10 VIDs:"

CI 6 SC 6.4.9.3.6 P111 L3900 # 577

Weber, Karl Beckhoff Automation

Comment Type TR Comment Status A

5.10.1 item d) and e) not found

SuggestedRemedy

change to item b) and c)

Response Response Status W

ACCEPT.

5.023 - Motion

- Conditionally approve sending P802-REVc 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-REVc D1.2 had 83% approval at the end of the last WG ballot
- In the WG, Proposed: Mark Hantel, Second: Karen Randall
 - Sending draft (y/n/a): 30, 1, 6
- In EC, mover: Glenn Parsons, Second: Roger Marks
 - (y/n/a): <y>,<n>,<a>

Supporting Information P802-REVc

- D1.2 WG recirculation ballot closed: 11 January 2024
- All WG ballot requirements are met
- The ballot resulted in
 - 9 outstanding no voters over 3 WG ballots
 - 9 Must Be Satisfied (MBS) comments on D1.2
 - 56 MBS comments on D1.1
 - 99 MBS comments on D1.0
 - 104 MBS comments remaining
- Current Comment resolution available here: <https://www.ieee802.org/1/files/private/802-REVc-drafts/d1/802-REVc-d1-2-comments-dis.pdf>
- Recirculation ballot will be conducted late March/early April with comment resolution in mid-April. A possible final recirculation in late April/early May if required with comment resolution at the May 802.1 interim meeting.

Ballot results:

	D1.2 TOTAL	D1.2 %
Yes	44	83%
No	9	17%
Voting Yes or No	53	100%
Abstain, lack of time	1	2 %
Abstain, lack of expertise	10	17 %
Abstain, other	0	0%
Repondents	26	
Voting members	25	
Non-voting members	1	
Number of commenters	7	
Number of comments	19	

Supporting Information P802-REVc

- Voters maintaining Disapprove vote from [initial WG ballot](#) on D1.0, as well as [recirc](#) on D1.1 and [recirc](#) on D1.2
 - Joe Levy
 - Mark Hamilton
 - Roger Marks
 - Johannes Specht
 - Jessy Rouyer
 - Geoff Thompson
 - Dorothy Stanley
 - Craig Gunther
 - Marco Hernandez
- MBS comments associated with the maintained Disapprove vote are on the following slides

Supporting Information P802-REVC

Outstanding MBS Comments

C/D	Commenter	Vote	Category	Page	Sub-clause	Line #	Comment	Proposed Change	Must Be Satisfied	Response	Response
LB1-9	Craig Gunther	Disapprove	Technical	61	9.5	1	Comment #5 on D0.2 agreed to change "universally unique" to "globally unique". However, it was changed to "universal" instead.	Change "universal" to "globally unique". This will make the change match what was published in 802c-2017.	Yes	Revised	Change "globally unique protocol identifiers" to be "universal protocol identifiers" in 9.3 page 59 line 26
LB1-40	Dorothy Stanley	Disapprove	Editorial	37	5.2.3	12	Typo	"are also be used" -> "are also used" (delete "be")	Yes	Accepted	
LB1-41	Dorothy Stanley	Disapprove	Technical	72	B.2	14	In 802.11's current infrastructure model, there is always a DS (even if vestigial). So, "might be" interconnected is incorrect. The "can" on the portals sentence is correct, but maybe the "might" would be more obvious (as an optionality) here?	Change "These access domains might be interconnected" to "These access domains are interconnected". On line 15, change "can interwork" to "might interwork".	Yes	Revised	Change "These access domains might be interconnected" to "These access domains are interconnected". On page 72, line 15, change "one or more portals" to be "a portal", on page 73, line 1, change "via the distribution system, and portals," to be "via the distribution system and portal,". On page 73, line 10, change "portals" to "portal".
LB1-42	Dorothy Stanley	Disapprove	Technical	72	B.2	15	Portals should be singular (only one in each infrastructure network).	Change "portals" to singular "portal" at 72.15, 73.1 and 73.10.	Yes	Revised	Add "BSS" at 72.14, in the first sentence of that paragraph, to be "one or more wireless access domains, called basic service sets (BSSs)." Change the second sentence to be "These access domains (BSSs) might ...". Add BSS to the acronym
LB1-43	Dorothy Stanley	Disapprove	Technical	72	B.2	19	It appears that the first occurrence of the term "BSS" comes in the "intra-BSS" parenthetical at 72.19. That's both buried (in a parenthetical) and rather late/surprising to the reader.	Add "BSS" at 72.14, in the first sentence of that paragraph, to be "one or more wireless access domains, called basic service sets (BSSs)." Change the second sentence to be "These access domains (BSSs) might ...". Add BSS to the acronym	Yes	Revised	
LB1-44	Dorothy Stanley	Disapprove	Technical	72	B.2	18	802.11 now models all forwarding as being done by the DS. Re-write the sentences at 72.18-73.1.	Replace the sentences (starting with the one that starts, "The AP acts as a forwarding entity" with: one sentence: "The AP, acting in cooperation with the distribution system, is a forwarding entity that enables communications between non-AP STAs within the access domain (intra-BSS relay) and also to different 802.11 wireless access domains established by other APs connected to the same DS (inter-BSS relay)."	Yes	Accepted	
LB1-45	Dorothy Stanley	Disapprove	Technical	73	B.2	8	The mesh model needs to be fixed, at the end of that paragraph (73.8). 802.11 now models a mesh as connecting through a mesh gate, and then to a DS. A mesh cannot be a DS (or at least that is not an explicit 802.11 architecture, a DS can technically be implemented with anything, but the details are outside 802.11 scope).	Replace that last sentence with: "A mesh might have an interface to the distribution system, through a Mesh Gate, and thereby can enable communication to non-AP STAs in infrastructure access domains, and/or via a portal to non-IEEE 802.11 networks."	Yes	Accepted	
LB1-54	Jessy Rouyer	Disapprove	Editorial	23	1.1	19	The approved PAR changed "The IEEE 802 architecture is defined, and a" to "A".	Change "The IEEE 802 architecture is defined, and a" to "A".	Yes	Accepted	
LB1-55	Jessy Rouyer	Disapprove	Editorial	23	1.2	24	The approved PAR inserted ", etc" after "(RANs)".	Insert ", etc" after "(RANs)".	Yes	Accepted	
LB1-57	Jessy Rouyer	Disapprove	Editorial	33	4.4		Figure 1 is omitting 802.3.2 YANG for Ethernet (not the exact title). Is the omission of 802.19.1, 802.21.1 in this Figure intentional? Is the retention of withdrawn 802.22.1 intentional? Annex D does not list all standards in this Figure (e.g. 802.1CM, 802E).	Add 802.3.2 and other missing standards here and in Annex D so that Annex D lists all current standards. Delete 802.22.1 here and in Annex D.	Yes	Accepted	
LB1-66	Jessy Rouyer	Disapprove	Technical	53	8.4.4.2	10	"Specification of the use of the SAI quadrant for SLAP address assignments is reserved for the standard forthcoming from IEEE P802.1CQ [B1]" (supraingly to me) made it in 802c-2017. This introduces undefined "SAI quadrant" (SLAP quadrant 117) and unspecified "SLAP address assignment", and presumes approval of a standard, none of which belongs in the normative body of the present.	Delete this sentence.	Yes	Revised	Replace the sentence with "The specification of this quadrant is reserved for a future IEEE 802 Standard (see E.3).
LB1-69	Jessy Rouyer	Disapprove	Editorial	61	9.5	1	I was expecting "universal protocol identifiers" to read "globally unique protocol identifiers" (as in 9.3 page 59 line 26). Is there a reason not to use the latter consistently?	Change back to 802c's use of "globally unique protocol identifiers" unless there is a valid reason to be inconsistent.	Yes	Revised	Change "globally unique protocol identifiers" to be "universal protocol identifiers" in 9.3 page 59 line 26
LB1-73	Paul Bottorff	Disapprove	Technical		1.0	6	It was agreed in last ballot to include 802f when it is available. 802f is not yet included. Until it is included the draft is incomplete.	Include 802f in the draft.	Yes	Revised	P802f will be merged in prior to SA ballot and will be added to future recirculation packages until it is merged.
LB1-75	Paul Bottorff	Disapprove	Editorial	33	4.4		Typo: 802.1AB should be 802.1BA	Change 802.1AB (second row) to 802.1BA	Yes	Accepted	
LB1-76	Paul Bottorff	Disapprove	Technical	39	5.3.2.1	9	Bridges now can provide capabilities for guaranteed traffic performance	Add to the list: Support of latency, loss, and delay variation guarantees.	Yes	Accepted	
LB1-79	Paul Bottorff	Disapprove	Technical	39	5.3.2.1	9	Bridges now can provide traffic management and virtualization support for data centers.	Add to the list: Support for traffic management and virtualization within data center networks.	Yes	Accepted	
LB1-82	Paul Bottorff	Disapprove	Technical	44	7.2.3	13	OID is specific to SNMP, however URNs are now specified for YANG in clause 11	Change "in IEEE 802 ... Clause 10;" to "in IEEE 802 this is done with either an object identifier (OID) or a uniform resource name (URN), as described in Clause 10 and Clause 11 respectively."	Yes	Revised	Change "in IEEE 802 ... Clause 10;" to "in IEEE 802 this is done with either an object identifier (OID), as described in Clause 10, or a uniform resource name (URN), as described in Clause 11."
LB1-83	Paul Bottorff	Disapprove	Technical	44	7.2.3	18	Here there needs to be a paragraph describing YANG	Add a paragraph such as: YANG is also used (IETF refs) for defining managed objects. The YANG objects can be modeled using a UML diagram.	Yes	Revised	Add 802f when it becomes available and add the text in 1-23-0010-04-Mntg
LB1-85	Geoff Thompson	Disapprove	Editorial	25	3.1	34	Footnote link is broken, does not pull up "IEEE Standards Dictionary Online"	Fix link. Should point to PERMANENT LINK II IEEE-SA should quit breaking alleged permanent links. In addition, I believe "IEEE Standards Dictionary Online" is misnamed. It is a glossary.	YES	Revised	The footnote hyper link goes to IEEE Xplore, which after logging in goes to the dictionary. Delete the trailing "I" in the displayed link. Add a footnote to the IEEE Standards Dictionary that says "The IEEE Standards Dictionary Online is not a dictionary but rather is a compendium of balioted definitions from individual approved standards." Update the existing footnote to match the one in the 2021 style

<https://mentor.ieee.org/802.1/dc/n/24/1-24-0016-01-Mntg-p802-revc-unsatisfied-comments.ods>

Supporting Information P802-REVc

Outstanding MBS Comments

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Supporting Information P802-REVc

Outstanding MBS Comments

Comment ID	Commenter	Response	Category	Page	Section	Comment	Response	Resolution	Resolution Date		
LB1-104	Roger Marks	Disapprove	Technical	59	9.2.4	18	Fig. 16, and the prior paragraph, present an absurd frame structure and states "in this case, it would be more appropriate" to use a different one but "this is a valid encoding of the OUI 23 Extended EtherType that can result from the application of the encapsulation described in 9.4.". This exemplifies the fact that the encoding rules are not clearly specified.	Write a clear set of encoding rules to establish what is allowed and what is disallowed. Specify that devices are mandated to drop frames with disallowed encodings. Keep the example, but change to the text to explain that it is an example of a disallowed encoding.	Yes	Rejected	The paragraph is pointing out that there is more than one way to encode the frame and that both are valid encodings.
LB1-105	Roger Marks	Disapprove	Technical	29	3.2	3	VLANs are an element of the IEEE 802 architecture in practice but are excluded from this specification of the IEEE 802 Architecture.	Specify what a VLAN is and how it functions in the IEEE 802 Architecture. Also explain the role of other tags in the architecture.	Yes	Rejected	The commenter did not provide sufficient detail to implement the suggested change in the standard.
LB1-106	Roger Marks	Disapprove	Technical	36	5.2.2	15	In Fig. 6, 802.1X, 802.1AX, and 802.1AE float in the LLC sublayer without any clear role.	Specify how these standards, and any other, function as part of the LLC.	Yes	Rejected	The commenter did not provide sufficient detail to implement the suggested change in the standard. The three standards are summarized in the paragraphs that follow.
LB1-107	Roger Marks	Disapprove	Technical	34	5.1	9	Fig. 3 specifies that all IEEE 802 sublayers operate under a common LLC, which must present a common service to the upper layers. However, the LLC is not specified.	Specify the LLC, its function, and Link Layer service that it provides to applications.	Yes	Rejected	The LLC sublayer is defined in 5.2.2.
LB1-108	Roger Marks	Disapprove	Technical	36	5.2.2	15	Fig. 6 shows that HLPDE, 802.1X, 802.1AX, and 802.1AE are aspects of the LLC. What does the rest of the LLC do?	Specify the role of the unlabeled areas of the LLC pictured in Fig. 6.	Yes	Rejected	The unlabeled areas are simply part of the artwork and don't imply that any function is associated with them.
LB1-109	Roger Marks	Disapprove	Technical	36	5.2.2	19	EPD and LPD as described in the draft appear to be inconsistent with the usage of those terms in other standards within the IEEE 802 "family", such as 802.11 and 802.1AC.	Revise definitions of EPD and LPD to maintain peace within the family.	Yes	Rejected	The group could not reach consensus to make the suggested change.
rc1-3	Jessy Rouyer	Disapprove	Editorial	42	5.3.2.6	21	802.1 hyphenates "Time" and sensitive, and also capitalizes both plus networking, when referring to TSN.	Change "Time sensitive networking (TSN)" to "Time-Sensitive Networking (TSN)".	Yes	Accepted	
rc1-4	Jessy Rouyer	Disapprove	Editorial	48	7.2.3	22	"OMG", "Object Management Group", "UML", and "unified modeling language" are used as is. These are either trademarks or registered trademarks per https://www.omg.org/legal/tm_guidelines.htm . How to reflect this (at "first use") was discussed in P802.1ASn with guidance from staff.	Change "Object Management Group (OMG) unified modeling language (UML)" to "Object Management Group® (OMG®) Unified Modeling Language™ (UML®)" in 7.2.3 at line 22 page 48.	Yes	Accepted	
rc1-8	Jessy Rouyer	Disapprove	Editorial	90	D	20	Accepted comment 57 on D1.0 was partially applied. Annex D, unlike Figure 1, does not include standards that were missing from, but have been added to Figure 1.	Change "unified modeling language" to "Unified Modeling Language" in 3.2 at line 6 page 29. Suitably add to the frontmatter "Object Management Group®, OMG®, UML® and Unified Modeling Language™ are either registered trademarks or trademarks of Object Management Group, Inc. in the United States and/or other countries."	Yes	Accepted	
rc1-9	Jessy Rouyer	Disapprove	Editorial	95	F.2	8	A further P802f draft 2.4 became available after this P802-REVc draft 1.1 was created, and was submitted to RevCom.	Align the current incorporation of P802f in P802-REVc with P802f draft 2.4, namely per https://www.ieee802.org/1/files/private/802-f-drafts/d2/802f-d2-3-dis-v01.pdf . * In the YANG module definition (F.3.2), change all occurrences of "Standard" to "Reference." * Change the reference used by EtherType assignment 88-7B (homeplug) from "IETF RFC 8519" to "INTS1X1 datasheet". Reflect this change in Table F.1 and the YANG module (F.3.2). * Change the reference used by EtherType assignment 89-14 (fp) from "IETF RFC 8519" to "T11 FC-BB-5". Reflect this change in Table F.1 and the YANG module (F.3.2). * Change the reference used by EtherType assignment 88-E1 (homeplug-av-mme) from "IETF RFC 8519" to "HomePlug AV Specification". Reflect this change in Table F.1 and the YANG module (F.3.2). * Change the reference used by EtherType assignment 82-04 (qnx) from "IETF RFC 8519" to "QNX - Quantum Software Systems, Ltd.". Reflect this change in Table F.1 and the YANG module (F.3.2). * Change the reference used by EtherType assignment 81-37 (pxi) from "IETF RFC 8519" to "QNX - Quantum Software Systems, Ltd.". Reflect this change in Table F.1 and the YANG module (F.3.2).	Yes	Accepted	
rc1-10	Roger Marks	Disapprove	Technical	1		10	The inclusion of the word "Architecture" in the title is misleading. The draft provides no information regarding the architecture. The draft revision would remove the reference to architecture from the scope statement of the current standard. The title needs to be correspondingly aligned. Otherwise, readers may erroneously come to the conclusion that the standard summarizes the architecture and that, therefore, then intention is that the architecture is intentionally void of content. This would, for example, indicate that future efforts to specify the architecture are	Delete the word "Architecture" from the title.	Yes	Rejected	The title is required to match the title in the PAR. The title in the draft matches the title in the PAR.
rc1-11	Roger Marks	Disapprove	Technical	33	4.4	4	Two of the standards under 802.16 have obsolete.	Delete the citation of 802.16.1 and 802.16.2. Delete the citations from Annex D as well.	Yes	Accepted	

Supporting Information P802-REVc

Outstanding MBS Comments

rc1-12	Roger Marks	Disapprove	Technical	32	4.3	30	The sentence "Architecture and protocols for the management of IEEE 802 networks are also specified" fails to detail where the information is specified. Without this information, the sentence is worthless. Presumably, the "architecture" is not specified in this standard, since architecture is out of scope, so it must be in the other standards cited earlier in the paragraph. However, the management standards referenced may be contained within the draft standard, for example, in Clause 7 ("IEEE 802 network management").	Modify the sentence to direct the reader to the source of the referenced specifications.	Yes	Revised	Delete "Architecture and protocols for the management of IEEE 802 networks are also specified."
rc1-13	Roger Marks	Disapprove	Editorial	70	10.2	3	The standard number 802 cannot be used to identify the member of the family of IEEE 802 standards because each such member shares that same number. RM for end stations..." Per the definition in 3.1, an end station is a "functional unit in an IEEE 802 network..." Therefore, the reference model of Clause 5 applies only to IEEE 802 networks. Per 6.1, not all networks specified in IEEE 802 standards are IEEE 802 networks. The scope says that the standard "describes the reference models for the IEEE 802 standards."	Change "As the standard number 802 is used to identify [the] member of the family of IEEE 802 standards" to "As the standard number 802 is used to identify <each> member of the family of IEEE 802 standards"	Yes	Revised	used to identify [the] member of the family of IEEE 802 standards" to "As the standard number 802 is used to identify <each> member of the family of IEEE 802 standards"
rc1-14	Roger Marks	Disapprove	Technical	36	5.1	9	"Figure 3 shows the 8 architectural view of IEEE 802 RM for end stations..." Per the definition in 3.1, an end station is a "functional unit in an IEEE 802 network..." Therefore, the reference model of Clause 5 applies only to IEEE 802 networks. Per 6.1, not all networks specified in IEEE 802 standards are IEEE 802 networks. The scope says that the standard "describes the reference models for the IEEE 802 standards."	Provide reference models for end stations in networks that are specified in IEEE 802 standards but are not IEEE 802 networks.	Yes	Rejected	The commenter withdrew the comment.
rc1-15	Roger Marks	Disapprove	Technical	36	5.1	9	"Data communication path between stations in an IEEE 802 network..." However, 5.3 describes three forms of interconnection. In two these cases (PHY and network interconnection), the issue of whether the station is a unit of an IEEE 802 network is irrelevant.	Provide reference models for generalized end stations occurring in networks that are specified in IEEE 802 standards but are not IEEE 802 networks.	Yes	Revised	usage of the term "IEEE 802 network" in the draft and the definition presumed in the resolution of Comment 98 of the initial ballot. Revise as follows: P46L3. With the descriptions in Clause 5 as a basis, an bridgeable IEEE 802 network can be characterized as a communication resource that provides sufficient capabilities to support the MAC service specified in IEEE Std 802.1AC, between two or more MSAPs. In particular, this requires the ability to convey LLC sublayer data from one 6 MSAP to n other MSAPs, where n can be any number from 1 to the number of all of the other MSAPs on the 7 network. An bridgeable IEEE 802 network is required, at a minimum, to support the MAC Internal Sublayer Service specified in IEEE Std 802.1AC and support the use of EtherTypes for protocol identification at the LLC sublayer. Note that networks that meet these requirements are bridgeable IEEE 802 networks, even if not specified in IEEE 802 standards. P30L26: In particular, the use of bridges, as described in 5.3.2, for interconnecting bridgeable IEEE 802 networks is now widespread. P40L33: IEEE Std 802.1Q provides the basic specification for bridge interworking among bridgeable IEEE 802 networks. P25L8: bridge: A functional unit that interconnects two or more bridgeable
rc1-16	Roger Marks	Disapprove	Technical	25	3.1	27	"Data communication path between stations in an IEEE 802 network..." However, 5.3 describes three forms of interconnection. In two these cases (PHY and network interconnection), the issue of whether the station is a unit of an IEEE 802 network is irrelevant.	Generalize the definition of "interconnection" so that it applies to a generalized station occurring in a network that is specified in an IEEE 802 standard but is not an IEEE 802 network.	Yes	Revised	Delete the definition of interconnection.
rc1-17	Roger Marks	Disapprove	Technical	30	4.1	3	Clause 4, by virtue of its title, should cover the family of IEEE standards. However, nearly every paragraph of 4.1 and 4.2 describes properties of IEEE 802 networks, a category that excludes some networks built according to IEEE 802 standards.	Generalize Clause 4 to describe the entire family of IEEE standards. Isolate the material specific to IEEE 802 networks in Clause 6.	Yes	Revised	usage of the term "IEEE 802 network" in the draft and the definition presumed in the resolution of Comment 98 of the initial ballot. Revise as follows: P46L3. With the descriptions in Clause 5 as a basis, an bridgeable IEEE 802 network can be characterized as a communication resource that provides sufficient capabilities to support the MAC service specified in IEEE Std 802.1AC, between two or more MSAPs. In particular, this requires the ability to convey LLC sublayer data from one 6 MSAP to n other MSAPs, where n can be any number from 1 to the number of all of the other MSAPs on the 7 network. An bridgeable IEEE 802 network is required, at a minimum, to support the MAC Internal Sublayer Service specified in IEEE Std 802.1AC and support the use of EtherTypes for protocol identification at the LLC sublayer. Note that networks that meet these requirements are bridgeable IEEE 802 networks, even if not specified in IEEE 802 standards. P30L26: In particular, the use of bridges, as described in 5.3.2, for interconnecting bridgeable IEEE 802 networks is now widespread. P40L33: IEEE Std 802.1Q provides the basic specification for bridge interworking among bridgeable IEEE 802 networks. P25L8: bridge: A functional unit that interconnects two or more bridgeable

Supporting Information P802-REVc

Outstanding MBS Comments

rc1-18	Roger Marks	Disapprove	Technical	49	8.2.1	28	The limitation to IEEE 802 networks is irrelevant.	Generalize the sentence so that it applies to a generalized station occurring in a network that is specified in an IEEE 802 standard but is not an IEEE 802 network. Note that here (and elsewhere in the draft) the term station will need to be generalized because its definition in 3.1 refers to "end station, which is only one in an IEEE 802 network."	Yes	Revised	usage of the term "IEEE 802 network" in the draft and the definition presumed in the resolution of Comment 98 of the initial ballot. Revise as follows: P46L3. With the descriptions in Clause 5 as a basis, an bridgeable IEEE 802 network can be characterized as a communication resource that provides sufficient capabilities to support the MAC service specified in IEEE Std 802.1AC, between two or more MSAPs. In particular, this requires the ability to convey LLC sublayer data from one 6 MSAP to n other MSAPs, where n can be any number from 1 to the number of all of the other MSAPs on the 7 network. An bridgeable IEEE 802 network is required, at a minimum, to support the MAC internal Sublayer Service specified in IEEE Std 802.1AC and support the use of EtherTypes for protocol identification at the LLC sublayer. Note that networks that meet these requirements are bridgeable IEEE 802 networks, even if not specified in IEEE 802 standards. P30L26. In particular, the use of bridges, as described in 5.3.2, for interconnecting bridgeable IEEE 802 networks is now widespread. P40L33. IEEE Std 802.1Q provides the basic specification for bridge interworking among bridgeable IEEE 802 networks. P25L8. bridge: A functional unit that interconnects two or more bridgeable
rc1-19	Roger Marks	Disapprove	Technical	49	8.2.2	35	The limitation to IEEE 802 networks is irrelevant. The RA responsibility is not restricted to addresses in IEEE 802 networks.	Generalize the sentence so that it applies to a MAC addresses regardless of whether used in an IEEE 802 network.	Yes	Revised	usage of the term "IEEE 802 network" in the draft and the definition presumed in the resolution of Comment 98 of the initial ballot. Revise as follows: P46L3. With the descriptions in Clause 5 as a basis, an bridgeable IEEE 802 network can be characterized as a communication resource that provides sufficient capabilities to support the MAC service specified in IEEE Std 802.1AC, between two or more MSAPs. In particular, this requires the ability to convey LLC sublayer data from one 6 MSAP to n other MSAPs, where n can be any number from 1 to the number of all of the other MSAPs on the 7 network. An bridgeable IEEE 802 network is required, at a minimum, to support the MAC internal Sublayer Service specified in IEEE Std 802.1AC and support the use of EtherTypes for protocol identification at the LLC sublayer. Note that networks that meet these requirements are bridgeable IEEE 802 networks, even if not specified in IEEE 802 standards. P30L26. In particular, the use of bridges, as described in 5.3.2, for interconnecting bridgeable IEEE 802 networks is now widespread. P40L33. IEEE Std 802.1Q provides the basic specification for bridge interworking among bridgeable IEEE 802 networks. P25L8. bridge: A functional unit that interconnects two or more bridgeable
rc1-20	Roger Marks	Disapprove	Technical	50	8.2.2	16	There are two references to an "802 network". This term is undefined. Is it an "IEEE 802 network"?	Change "an 802 MAC address" to "a MAC address" and "all 802 network address" to "all MAC addresses".	Yes	Revised	usage of the term "IEEE 802 network" in the draft and the definition presumed in the resolution of Comment 98 of the initial ballot. Revise as follows: P46L3. With the descriptions in Clause 5 as a basis, an bridgeable IEEE 802 network can be characterized as a communication resource that provides sufficient capabilities to support the MAC service specified in IEEE Std 802.1AC, between two or more MSAPs. In particular, this requires the ability to convey LLC sublayer data from one 6 MSAP to n other MSAPs, where n can be any number from 1 to the number of all of the other MSAPs on the 7 network. An bridgeable IEEE 802 network is required, at a minimum, to support the MAC internal Sublayer Service specified in IEEE Std 802.1AC and support the use of EtherTypes for protocol identification at the LLC sublayer. Note that networks that meet these requirements are bridgeable IEEE 802 networks, even if not specified in IEEE 802 standards. P30L26. In particular, the use of bridges, as described in 5.3.2, for interconnecting bridgeable IEEE 802 networks is now widespread. P40L33. IEEE Std 802.1Q provides the basic specification for bridge interworking among bridgeable IEEE 802 networks. P25L8. bridge: A functional unit that interconnects two or more bridgeable

Supporting Information P802-REVc

Outstanding MBS Comments

rc1-21	Roger Marks	Disapprove	Technical	51	8.2.2	4	The limitation to IEEE 802 networks is irrelevant.	Generalize the sentence so that it is not limited to IEEE 802 networks.	Yes	Revised	usage of the term "IEEE 802 network" in the draft and the definition presumed in the resolution of Comment 98 of the initial ballot. Revise as follows: P40L3. With the descriptions in Clause 5 as a basis, an bridgeable IEEE 802 network can be characterized as a communication resource that provides sufficient capabilities to support the MAC service specified in IEEE Std 802.1AC, between two or more MSAPs. In particular, this requires the ability to convey LLC sublayer data from one 6 MSAP to n other MSAPs, where n can be any number from 1 to the number of all of the other MSAPs on the 7 network. An bridgeable IEEE 802 network is required, at a minimum, to support the MAC Internal Sublayer Service specified in IEEE Std 802.1AC and support the use of EtherTypes for protocol identification at the LLC sublayer. Note that networks that meet these requirements are bridgeable IEEE 802 networks, even if not specified in IEEE 802 standards. P30L26: In particular, the use of bridges, as described in 5.3.2, for interconnecting bridgeable IEEE 802 networks is now widespread. P40L33: IEEE Std 802.1Q provides the basic specification for bridge interworking among bridgeable IEEE 802 networks. P25L8: bridge: A functional unit that interconnects two or more bridgeable
rc1-22	Roger Marks	Disapprove	Technical	53	8.4.1	10	The limitation to IEEE 802 networks is irrelevant.	Generalize the sentence so that it is not limited to IEEE 802 networks.	Yes	Revised	usage of the term "IEEE 802 network" in the draft and the definition presumed in the resolution of Comment 98 of the initial ballot. Revise as follows: P40L3. With the descriptions in Clause 5 as a basis, an bridgeable IEEE 802 network can be characterized as a communication resource that provides sufficient capabilities to support the MAC service specified in IEEE Std 802.1AC, between two or more MSAPs. In particular, this requires the ability to convey LLC sublayer data from one 6 MSAP to n other MSAPs, where n can be any number from 1 to the number of all of the other MSAPs on the 7 network. An bridgeable IEEE 802 network is required, at a minimum, to support the MAC Internal Sublayer Service specified in IEEE Std 802.1AC and support the use of EtherTypes for protocol identification at the LLC sublayer. Note that networks that meet these requirements are bridgeable IEEE 802 networks, even if not specified in IEEE 802 standards. P30L26: In particular, the use of bridges, as described in 5.3.2, for interconnecting bridgeable IEEE 802 networks is now widespread. P40L33: IEEE Std 802.1Q provides the basic specification for bridge interworking among bridgeable IEEE 802 networks. P25L8: bridge: A functional unit that interconnects two or more bridgeable
rc1-23	Roger Marks	Disapprove	Technical	58	8.6	14	It's true that Clause 5 is limited to IEEE 802 networks, but this should be corrected.	Correct the sentence to accurately describe Clause 5 once generalized.	Yes	Revised	usage of the term "IEEE 802 network" in the draft and the definition presumed in the resolution of Comment 98 of the initial ballot. Revise as follows: P40L3. With the descriptions in Clause 5 as a basis, an bridgeable IEEE 802 network can be characterized as a communication resource that provides sufficient capabilities to support the MAC service specified in IEEE Std 802.1AC, between two or more MSAPs. In particular, this requires the ability to convey LLC sublayer data from one 6 MSAP to n other MSAPs, where n can be any number from 1 to the number of all of the other MSAPs on the 7 network. An bridgeable IEEE 802 network is required, at a minimum, to support the MAC Internal Sublayer Service specified in IEEE Std 802.1AC and support the use of EtherTypes for protocol identification at the LLC sublayer. Note that networks that meet these requirements are bridgeable IEEE 802 networks, even if not specified in IEEE 802 standards. P30L26: In particular, the use of bridges, as described in 5.3.2, for interconnecting bridgeable IEEE 802 networks is now widespread. P40L33: IEEE Std 802.1Q provides the basic specification for bridge interworking among bridgeable IEEE 802 networks. P25L8: bridge: A functional unit that interconnects two or more bridgeable

Supporting Information P802-REVc

Outstanding MBS Comments

Comment ID	Author	Response	Category	Priority	Due Date	Status	Comments	Action	Resolution	Comments	Resolution
rc1-24	Roger Marks	Disapprove	Technical	58	8.6	14	"IEEE Std 802 network" used on lines 14 and 15, is undefined, is it the same as "IEEE Std 802 network"?	Replace "IEEE Std 802 network" with a defined term	Yes	Revised	usage of the term "IEEE 802 network" in the draft and the definition presumed in the resolution of Comment 98 of the initial ballot. Revise as follows: P46L3. With the descriptions in Clause 5 as a basis, an bridgeable IEEE 802 network can be characterized as a communication resource that provides sufficient capabilities to support the MAC service specified in IEEE Std 802-1AC, between two or more MSAPs. In particular, this requires the ability to convey LLC (sublayer data from one MSAP to n other MSAPs, where n can be any number from 1 to the number of all of the other MSAPs on the 7 network. An bridgeable IEEE 802 network is required, at a minimum, to support the MAC internal Sublayer Service specified in IEEE Std 802-1AC and support the use of EtherTypes for protocol identification at the LLC sublayer. Note that networks that meet these requirements are bridgeable IEEE 802 networks, even if not specified in IEEE 802 standards. P30L26. In particular, the use of bridges, as described in 5.3.2, for interconnecting bridgeable IEEE 802 networks is now widespread. P40L30. IEEE Std 802-1Q provides the basic specification for bridge interworking among bridgeable IEEE 802 networks. P25L5 bridge A functional unit that interconnects two or more bridgeable
rc1-25	Roger Marks	Disapprove	Technical	58	8.6	15	The three limitations to IEEE 802 networks in this paragraph are relevant.	Generalize the paragraph so that it is not limited to IEEE 802 networks	Yes	Revised	usage of the term "IEEE 802 network" in the draft and the definition presumed in the resolution of Comment 98 of the initial ballot. Revise as follows: P46L3. With the descriptions in Clause 5 as a basis, an bridgeable IEEE 802 network can be characterized as a communication resource that provides sufficient capabilities to support the MAC service specified in IEEE Std 802-1AC, between two or more MSAPs. In particular, this requires the ability to convey LLC (sublayer data from one MSAP to n other MSAPs, where n can be any number from 1 to the number of all of the other MSAPs on the 7 network. An bridgeable IEEE 802 network is required, at a minimum, to support the MAC internal Sublayer Service specified in IEEE Std 802-1AC and support the use of EtherTypes for protocol identification at the LLC sublayer. Note that networks that meet these requirements are bridgeable IEEE 802 networks, even if not specified in IEEE 802 standards. P30L26. In particular, the use of bridges, as described in 5.3.2, for interconnecting bridgeable IEEE 802 networks is now widespread. P40L30. IEEE Std 802-1Q provides the basic specification for bridge interworking among bridgeable IEEE 802 networks. P25L5 bridge A functional unit that interconnects two or more bridgeable
rc1-26	Roger Marks	Disapprove	Technical	38	5.2.2	16	EPO and LPO as described in the draft are inconsistent with the usage of those terms in other standards within the IEEE 802 family, such as 802.11 and 802.1AC. Without significantly redefining EPO and LPO, it will be vital to introduce terms to differentiate two encoding types ("LengthType encoding" and "LSAP encoding") since the encoding type is more relevant to protocol descriptions and since other IEEE standards erroneously describe EPO and LPO with reference to encoding.	Introduce terms to differentiate two encoding types ("LengthType encoding" and "LSAP encoding")	Yes	Revised	Implement changes specified in IEEE 802-1-23-0027-00-Ming with the change to the first sentence in the paragraph in 5.2.2 "LSAP addresses... 9.4. EPO" to be the paragraph "LSAP encoding supports LPO, allowing the decoding of LSAP addresses. LSAP also supports EPO using the RFC 1042 form of SNAP, as described in 9.4.
rc1-27	Roger Marks	Disapprove	Technical	111	G	2	Annex G should be normative. The protocol therein is not specified in other standards. The IEEE Registration Authority has assigned EtherType 08-42 to IEEE 802.1 for the following protocol: "Wake-on-LAN (WoL)" as described in IEEE Std. 802-1. It is therefore important that the standard provide a normative description.	Change Annex G to be normative.	Yes	Revised	Wake-on-LAN (WoL) is a common protocol to wake up devices remotely from a very low power mode. It can be implemented over IEEE 802 networks as a frame using the EtherType 08-42. WoL is not standardized in an IEEE 802 standard.
rc1-30	Dorothy Stanley(M)	Disapprove	Technical	53	8.3	3	The sentence "instead, traffic between 64-bit and 48-bit MAC addressed networks needs to be routed at a layer above the DLL" is misleading. In practice Network Interface Cards/Controllers (NIC) of 64-bit and 48-bit are not mixed in the same network, because it produces communication problems such as collision. A 48-bit NIC is built to send and receive 48-bit MAC addresses, hence 64-bit MAC addresses will be cut-off, losing global uniqueness, and vice-versa. This is not solved by routing traffic above the DLL. Moreover, there is traffic at DLL. A possible solution is to use a multi-NIC controller, but it is out of scope of the Std.	To avoid misunderstandings in implementations, delete the sentence.	Yes	Revised	Change "instead, traffic between 64-bit and 48-bit MAC addressed networks needs to be routed at a layer above the DLL" to be "To avoid this, traffic between a 64-bit MAC addressed network and a 48-bit MAC addressed network needs to be routed at a layer above the DLL."
rc1-32	Dorothy Stanley(M)	Disapprove	Editorial	35	0	0	Blank pages 35, 45, 59, 112	Remove blank pages 35, 45, 59, 112	Yes	Rejected	The document will be professionally edited prior to publication.
rc1-34	Dorothy Stanley(M)	Disapprove	Editorial	55	8.4.4.1	4	Type "b" -> "B"	Type "b" -> "B"	Yes	Accepted	
rc1-35	Dorothy Stanley(M)	Disapprove	Editorial	25	3.1	17	Disagree with change from "that" to "which" in definition of EtherType. With the "which" used, that implies that the core concept of the definition is the part up to the "which". That is, the definition comes down to "EtherType: A 2-octet value, assigned by the RA". That's not a useful definition.	Replace "which" with "that", and remove all the commas in the definition of EtherType.	Yes	Accepted	

Supporting Information P802-REVc

Outstanding MBS Comments

rc1-36	Dorothy Stanley	M	Disapprove	Technical	43	5.3.2.8	29	Bridge M should not be in this list of "similar to order style bridge interconnecting a small number of access domains" confining, since the 802.11 network shown in "c" is probably just one access domain. The only bridging that is happening here is between the (single) 802.11 access domain and the 802.3 access domain. Not to clutter up this diagram with 802.11 implementation details, but would it be better to show the AP and clarify that it is the AP connection to 802.3 that is being bridged?	Replace "M" with "T and U" or just delete "M"	Yes	Revised	Replace "M" with "T and U". Surround K and L with a circle and add a circle to the key that says "wireless interface". Add a sentence at the end of the paragraph that says "The wireless interfaces shown in Figure 8 are defined in each of the listed standards. For example, a discussion of the 802.11 architecture is given in Annex B.2"
rc1-37	Dorothy Stanley	M	Disapprove	Technical	44	5.3.2.8	31	Bridge S is not condensing an 802.16 network.	Consider the confusion, and whether it helps to add the 802.11 AP to the figure.	Yes	Revised	
rc1-39	Dorothy Stanley	M	Disapprove	Editorial	55	8.4.4.1	30	Should this "For more information."	Remove S from "S, T and U"	Yes	Accepted	
rc1-40	Dorothy Stanley	M	Disapprove	Editorial	58		28	hard to parse language	Change "More to" to "For more"	Yes	Accepted	
rc1-42	Dorothy Stanley	M	Disapprove	Technical	78	B.2	19	In the second mode (of B.2), the AP and DS also coordinate for communications via a portal to non-IEEE 802.11 networks.	Replace "If though" with "However, if"	Yes	Accepted	
rc1-43	Dorothy Stanley	J	Disapprove	Technical	23		1	Scope of proposed standard. This standard contains descriptions of the IEEE 802(R) standards published by the IEEE for frame-based data networks as well as a reference model (RM) for protocol standards. A specification for the identification of public, private, and standard protocols is included. Change to scope of proposed standard: This standard contains descriptions of the IEEE 802(R) standards published by the IEEE for frame-based data networks as well as a reference model (RM) for protocol standards. The IEEE 802 architecture is defined, and a specification for the identification of public, private, and standard protocols is included.	Add to end of the last sentence of this paragraph, "and/or via a portal to non-IEEE 802.11 networks."	Yes	Accepted	
rc1-44	Dorothy Stanley	J	Disapprove	Technical	23		1.2	etc. was added to the list of network types. I assume because there are other types besides LAN, MAN, PAN, RAN, however, using etc. is a poor way of doing this.	Suggest merging this statement with the preceding sentence. "This standard contains descriptions of the IEEE 802(R) standards published by the IEEE for frame-based data networks, provides a reference model (RM) for protocol standards, and specifies the identification of public, private, and standard protocols."	Yes	Rejected	The text in 1.1 Scope matches the scope statement from the PAR. The change shown in the text was to change the previous text so that it now matches the text in the PAR.
rc1-45	Dorothy Stanley	J	Disapprove	Technical	27		3.2	15. DLI should follow DCN in the list.	note: if changes are made to the scope, the PAR must be revised or reverting to the Scope provided in the PAR.	Yes	Rejected	The text in 1.2 Purpose subclause matches the purpose in the approved PAR. In the PAR, the "etc." was added to the purpose.
rc1-46	Dorothy Stanley	J	Disapprove	Editorial	27		3.2	Address Block Large, Address Block Medium and Address Block Small - should all be at lower case.	Suggest changing the sentence to read: "This standard serves as the foundation for the family of IEEE 802 standards published by IEEE for networking, including but not limited to local area networks (LANs), metropolitan area networks (MANs), personal area networks (PANs), and regional area networks (RANs). Switch the last order for DLI and DCN."	Yes	Rejected	These are proper nouns as they refer to specific products from the IEEE RA. RAC review will be conducted as well to confirm correct usage of the terms.
rc1-47	Dorothy Stanley	J	Disapprove	Editorial	27		3.2	The use of capitalization in clause 3.2 seems to be inconsistent in the "definitions". Also the use of Acronyms and abbreviations in the "definitions" is inconsistent. Note: the SA Style Manual uses lower case, and expands any acronyms or abbreviations.	Align the style with the IEEE SA Standards Style Manual.	Yes	Revised	The editor will review subclause 3.2 to ensure conformance with the Style Manual. However, the standard will be professionally edited prior to publication.
rc1-48	Dorothy Stanley	J	Disapprove	Technical	30		4.1	Why is this a "however" statement? This makes no sense. This only makes sense if the preceding sentences say the scope provides FH's and DLI's which it does not.	Delete "However, the scope of IEEE 802 standards is not limited to the physical layers (PHYs) and data link layers (DLLs)."	Yes	Revised	Change "However, the scope of IEEE 802 standards" to be "The scope of IEEE 802 standards"
rc1-49	Dorothy Stanley	J	Disapprove	Technical	30		4.1	It would improve the paragraph flow to move the last sentence to be the first sentence of the paragraph. New sentences describing scheduled frame transmission were added. This sentence states that the scheduled timing is "network wide". I don't think this is true for 802.11 as the timing is BSS based. Change required to generalize or make this text more specific?	Move the last sentence to be first and the first sentence to be last.	Yes	Revised	
rc1-50	Dorothy Stanley	J	Disapprove	Technical	30		4.1	12. more specific?	Delete the last sentence "Scheduled frame transmissions use a network wide time for the transmission schedule which is synchronized over the network."	Yes	Revised	
rc1-51	Dorothy Stanley	J	Disapprove	Technical	30		4.1	Layer 3 is not introduced or defined in this standard, though it is referenced in Annex D (optional) - B.5 (B4.6). Either more context should be provided or a different defined term used.	Suggest: "Additionally, it is common to interconnect individual networks and bridged networks at protocol layers above the DLL in the protocol stack (e.g., devices called routers). The specification of interconnections at these higher layers in the protocol stack is outside the scope of IEEE 802 standards."	Yes	Revised	"Additionally, it is common to interconnect individual networks and bridged networks at layers above the DLL with devices called routers. The specification of interconnections at these higher layers in the protocol stack is outside the scope of IEEE 802 standards."
rc1-52	Dorothy Stanley	J	Disapprove	Technical	31		4.1	What does added the phrase "which is typically a constantly changing environment" add to this?	Delete "which is typically a constantly changing environment" add to this sentence"	Yes	Accepted	
rc1-53	Dorothy Stanley	J	Disapprove	Editorial	31		4.1	The phrase "that are inherent to using wireless medium" is awkward, consider improving the	Suggest: "that are inherent to wireless transmission media"	Yes	Revised	Change to "that are inherent to wireless transmission media"
rc1-54	Dorothy Stanley	J	Disapprove	Editorial	31		4.1	30. Missing article	Change "solutions address challenges" to "solutions address the challenges"	Yes	Accepted	
rc1-55	Dorothy Stanley	J	Disapprove	Technical	42	5.3.2.6	22	This paragraph could use some clarification. My understanding is that TSN may support applications with the need for guaranteed data transport with low and bounded latency, low and bounded delay variation, and extremely low packet loss. Also promotes future development should not included in IEEE specification.	Suggest the paragraph should read: "TSN features provide network protocols and mechanisms for use by applications that need guaranteed data transport with low and bounded latency, low and bounded delay variation, and extremely low packet loss as data streams. The TSN features are add-ons to the generic set of networking protocols and mechanisms, which can be selected to allow networks to support both TSN traffic streams as well as other traffic. Some TSN features are provided in."	Yes	Revised	802 standards specify TSN capabilities to provide network protocols and mechanisms for use by applications that need data transport with low and bounded latency, low and bounded delay variation, and low packet loss. The TSN capabilities augment networking protocols and mechanisms to support both TSN traffic streams as well as other traffic. Some TSN capabilities are described in the following standards. Change the bullet with IEEE Std 802.3 to be "IEEE Std 802.3-2002 (B8) clause 99" and update [B8] to be the 2022 IEEE 802.3 standard
rc1-56	Dorothy Stanley	J	Disapprove	Editorial	42	5.3.2.6	30	Reference [B1], [B6] in the main text are not correct, also on page 46 line 3 [B2] and [B4] are not correct. It seems that many of the [B] references are not correct. Also if the document is to be referenced by a [B] it should not be listed in all its detail next to the reference.	Correct the [B] references	Yes	Accepted	
rc1-57	Dorothy Stanley	J	Disapprove	Editorial	43	5.3.2.7		What is meant by "... a series of standards and Bridging enhancements..." 802.1 provides standards that provide bridge interconnecting for data center networking (DCN).	Change "The IEEE 802.1 Working Group provides a series of standards and Bridging enhancements for data center networking (DCN)." To "The IEEE 802.1 Working Group develops standards that provide data center networking (DCN), including Bridging enhancements."	Yes	Accepted	

Supporting Information P802-REVc

Outstanding MBS Comments

Comment ID	Commenter	Response	Category	Priority	Status	Comments	Response	Comments	Comments	
rc1-58	Dorothy Stanley	Disapprove	Editorial	0	0	0	This is very poor way to differentiate between a generic bridge and a 802.1Q compliant bridge. There are issues when Bridge is at the beginning of a sentence (as both uses will use a capital B). This also makes the standard less readable, and prone to errors as checking which "bridge" is intended can be difficult.	Replace all capital "B" bridges with "IEEE 802.1Q bridge", or clarify that a .1Q bridge is a compliant IEEE 802.1Q bridge.	Yes Revised	Change "Bridge" to be "bridge" unless required by language requirements.
rc1-59	Dorothy Stanley	Disapprove	Technical	46	6.2	19	An error performance statement for wireless is added. But, the statement says no guarantee of service can be given. This is a strange statement as wireless is regularly used for services that require "guarantees" e.g. voice, video, and gaming. Should this statement be revised?	delete: ", and no guarantee of service can be given"	Yes Accepted	
rc1-60	Dorothy Stanley	Disapprove	Technical	49	8.2.1	30	The note could be clearer that other non-802 might use MAC address as specified in this standard.	Change the note to read: "NOTE—Other network standards that are not IEEE 802 standards might use MAC addresses that are compliant with this standard."	Yes Revised	Change the note to read: "NOTE—Some network standards that are not IEEE 802 standards also use MAC addresses that are compliant with this standard."
rc1-61	Dorothy Stanley	Disapprove	Technical	53	8.4.2	30	When SLAP is used it should ensure the unique assignment of local MAC addresses, to enable the unique assignment.	Change: "enable" to "ensure"	Yes Revised	Change: "enables" to be "enable" and combine the sentence with the previous paragraph.
rc1-62	Dorothy Stanley	Disapprove	Editorial	77	B.1	4	There is a typo in the foot note, "no" should be	Should read "... which is now part of the current ..." for APs, the distribution system and a portal."	Yes Accepted	
rc1-63	Dorothy Stanley	Disapprove	Editorial	79	B.2	4	Missing article	Should read "... which is now part of the current ..." for APs, the distribution system and a portal."	Yes Accepted	
rc1-64	Dorothy Stanley	Disapprove	Technical	44	5.3.3	1	In figure 8, all interconnects lines are labeled, e.g., 802.3, except for the connection between Bridge S and its end station.	Label the link between Bridge S and its end station with 802.3.	Yes Accepted	
rc1-65	Dorothy Stanley	Disapprove	Technical	78	B.2	5	IEEE 802.11 STAs follow four general connection models. The models are: peer-to-peer, infrastructure, mesh, and general link (GLK). Add the description of GLK.	Add a description of the 802.11 GLK interconnection model. Contribution to be provided.	Yes Revised	Make the changes indicated in 11-23-1613-01.
rc1-66	Dorothy Stanley	Disapprove	Technical	44	5.3.3	1	In figure 8, bridge K connects 802.11 end stations to the network, but 802.11 typically connects end station to a network via an AP that is connected by the DS to a portal that connects to the network.	Add a "box" between the bridge K and the 802.11 end stations that contains an AP, the DS, and a portal, or append this box to bridge K.	Yes Revised	circle to the key that says "wireless interface". Add a sentence at the end of the paragraph that says "The wireless interfaces shown in Figure 8 are defined in each of the listed standards. For example, a discussion of the 802.11 architecture is given in Annex B.2" (see CID 37)
rc2-3	Mark Hamilton	Disapprove	Technical	21	3.1	8	as a qualifier on IEEE 802 networks. But, this is not a defined term. It seems that subclause 6.1 is trying to define it, to be, effectively, any network that supports the MAC service (and ISS?) specified in 802.1AC. If that's the intent/meaning, then let's define it as such.	Add a definition: "bridgeable: A network that that provides sufficient capabilities to support the MAC Service and Internal Sublayer Service specified in IEEE Std 802.1AC."	Yes Revised	Make the changes indicated in document 11-24-0598-00 with the change "in the context of this standard" to be "in the context of IEEE Std 802"
rc2-4	Mark Hamilton	Disapprove	Technical	21	3.1	8	Why does a bridge have to connect specifically only IEEE 802 networks (in fact we note later that some non-802 networks are also bridgeable)? "Bridge" is a generic term, and is further specified as IEEE Std 802.1Q Bridge when it is specifically following IEEE 802 protocols and uses.	P21.8, delete "IEEE 802". Same thing at P26.25, P35.4, replace "bridged IEEE 802 network" with "bridged network". Same thing at P35.6, P35.19, delete "IEEE 802.1Q". P39.3, delete "IEEE 802". Same thing at P39.7 and P39.10.	Yes Revised	Make the changes indicated in document 11-24-0598-00 with the change "in the context of this standard" to be "in the context of IEEE Std 802"
rc2-5	Mark Hamilton	Disapprove	Technical	32	5.2.2	19	The "definitions" of EPD and LPD in 5.2.2 are very confusing: 1) They overlap (consider a SNAP frame, which is apparently both); 2) They leave a gap (consider an OUI-based local protocol identifier, which is apparently neither); 3) they conflate the information being carried (Ethernet or LSAP address) with the format of how it is carried, without making the distinction clear.	A contribution is being worked/will be provided to replace the EPD/LPD content, and clarify these concerns.	Yes Revised	Make the changes indicated in document 11-24-0598-00 with the change "in the context of this standard" to be "in the context of IEEE Std 802"
rc2-6	Mark Hamilton	Disapprove	Technical	39	6.1	8	Why does a bridge have to support EtherTypes?	protocol identification at the LLC sublayer". Add a new sentence: "An IEEE Std 802.1Q Bridge will further support the use of EtherTypes for protocol identification, and conform to other requirements of IEEE Std 802.1Q."	Yes Revised	Delete "and support the use of EtherTypes for protocol identification at the LLC sublayer".
rc2-10	Roger Marks	Disapprove	Technical	38	5.2.2	16	The introduction of encoding types for protocol identifiers is helpful but has failed to fully clarify their role in the LLC. The concepts of EPD and LPD are insufficient to address these issues. With 802.2 in a nebulous state with respect to IEEE 802, IEEE Std 802 should explain the role of the LLC in the IEEE 802 network.	As a start, adopt the changes specified in "Proposed Protocol Identification updates to IEEE Std 802" <https://mentor.ieee.org/802.11/documents?is_dcn=3&is_year=2024>.	Yes Revised	Make the changes indicated in document 11-24-0598-00 with the change "in the context of this standard" to be "in the context of IEEE Std 802"
rc2-12	Roger Marks	Disapprove	Technical	35	5.3.2.1	19	The sentence is misleading. Though it does not actually say that people use the term "switch" to indicate compliance with IEEE Std 802.1Q, people may get that impression.	Change note to "The term "switch" is sometimes used in the industry to refer to products that include bridging capability, often with other interconnection functions as well."	Yes Revised	is sometimes used in the industry to refer to products that include a bridging capability, such as an IEEE 802.1Q bridging capability, often with other interconnection functions. IEEE 802 Standards do not use the term switch to refer to IEEE 802.1Q bridging functions or capabilities."
rc2-13	Roger Marks	Disapprove	Technical	35	5.3.2.1	8	This list seems to be a mix of items characteristic of generic bridges (along the lines of the initial sentence "Bridges are stations that interconnect multiple access domains") and those characteristic of IEEE 802.1Q bridges.	Split the list into two lists, first for the generic bridge and then for the 802.1Q bridge.	Yes Revised	Change "A bridged network" to "An IEEE 802 bridged network" in the introductory line on line 8. Change the title of the subclause to be "IEEE 802 bridged networks"

Supporting Information P802-REVC

Outstanding MBS Comments

rc2-17	Johannes Specht	Disapprove	Technical	36	5.3.2.6	34	<p>over the previous draft, but can be improved. I tried to develop my suggested remedy carefully, because the final formulation may need to survive for a longer time unaltered once 802 REVC is published.</p> <p>Issues I see with the current three sentences: 1) The lettered list (line 38ff.) shows IEEE 802 standards with protocols and procedures. In contrast, the second introductory sentence these standards describing TSN capabilities. Both terms are mixed. 2) I do not think there is a common understanding of what "TSN capabilities" are. For example: - The referred 802 standards have no definition of what a TSN capability is and what not. - Different equipment vendors may have "TSN..." products that differ significantly in the supported 802 protocols and mechanisms, which may sometimes be a result of different target markets, link speeds, or a variety of other reasons. - Different individuals in WG 802.1 may likewise different views on what the "relevant"/"important" protocols and procedures are. - The set of relevant protocols and procedures may also vary between profile projects and standards (Std 802.1BA, Std 802.1CP, P802.1DG, P802.1DP, IEC/IEEE P60802) for different markets. In addition, listing many transmission selection algorithms here may be misinterpreted. For example, classic strict priority transmission selection is sufficient for bridges in Std 802.1CM ("TSN for Fronthaul"). None of the other transmission selection algorithms are listed as mandatory, and the strict priority algorithm</p>	<p>"Some IEEE 802 standards specify TSN capabilities to provide network protocols and mechanisms for use by applications that need data transport with low and bounded latency, low and bounded delay variation, and low packet loss. The TSN capabilities augment networking protocols and mechanisms to support both TSN traffic streams as well as other traffic. Some TSN capabilities are described in the following standards:"</p> <p>to one of the following options A or B (for discussion):</p> <p>A: "Some IEEE 802 standards specify network protocols and mechanisms for applications that need TSN capabilities such data transport with low and bounded latency, low and bounded latency variation, and low packet loss. Some of these network protocols and mechanisms are the following ones:"</p> <p>B: "Some IEEE 802 standards specify network protocols and mechanisms for applications that need TSN capabilities such as data transport from one end station to one or more other end stations with low and bounded latency, low and bounded latency variation, and low packet loss. Some of these network protocols and mechanisms are the following ones:"</p> <p>Remarks: - My choices on items 5) and 6) was more or less randomly. - Term "end station" in option B should imply 802 network.</p>	Yes	Revised	<p>Revised: Change "Some IEEE 802 standards specify TSN capabilities to provide network protocols and mechanisms for use by applications that need data transport with low and bounded latency, low and bounded delay variation, and low packet loss. The TSN capabilities augment networking protocols and mechanisms to support both TSN traffic streams as well as other traffic. Some TSN capabilities are described in the following standards:" to "Some IEEE 802 standards specify network protocols and mechanisms for applications that need TSN capabilities such as data transport from one end station to one or more other end stations with low and bounded latency, low and bounded latency variation, and low packet loss." Some of these network protocols and mechanisms are the following:" Add a footnote: "IEEE 802.1 standards (IEEE 802.1Q and IEEE 802.1CB) sometimes use the term "stream" to describe such a data transport."</p>
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802.1 Motions

2024-03

Consent Agenda

Drafts to RevCom

5.026 - Motion

- Approve sending P802.1Qdj to RevCom
- Approve CSD documentation in <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0139-00-ACSD-p802-1qdj.pdf>
- P802.Qdj D2.2 had 100% approval at the end of the last SA ballot
- In the WG, Proposed: Stephan Kehrer, Second: János Farkas
 - Sending draft (y/n/a): 41, 0, 1
 - CSD (y/n/a): 41, 0, 1
- In EC, mover: Glenn Parsons, Second: Roger Marks
 - (y/n/a): <y>,<n>,<a>

Supporting Information P802.1Qdj

- SA ballot closed:
 - 9 March 2024
- All SA ballot requirements are met
- The ballot resulted in
 - 100% approval
 - 1 Disapprove vote without any comments, maintained from initial SA ballot
 - 0 comments
- Disposition: <https://www.ieee802.org/1/files/private/dj-drafts/d2/802-1Qdj-d2-2-dis-v01.pdf>

Ballot Summary	
Open Date: 28 Feb 2024	Close Date: 09 Mar 2024 Status: Closed
Draft Number: 2.2	Meets Editorial Requirements: Yes
Ballot Group Members: 73	Ballot Stage: Recirculation 1
Minimum should be 10	
Return Ballots: (63) 86%	Minimum return rate is 75%
Abstentions: (3) 4%	Abstention must be below 30%
Approval Rate: 100%	Approval rate must be at least 75%
Votes counted in approval rate	
Approve	59
Disapprove With MBS Comment(s)	0
Total	59
Votes not counted in approval rate	
Disapprove Without MBS Comment(s)	1
Abstentions	3
Total	4
Total Votes	63
Total Comments	0
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.	

5.029 - Motion

- Conditionally approve sending P802.1Qdx to RevCom
- Approve CSD documentation in <https://mentor.ieee.org/802-ec/dcn/23/ec-23-0075-00-ACSD-p802-1qdx.pdf>
- P802.1Qdx D2.0 had 98% approval at the end of the last SA ballot
- In the WG, Proposed: János Farkas, Second: Mick Seaman
 - Sending draft (y/n/a): 37, 0, 2
 - CSD (y/n/a): 37, 0, 2
- In EC, mover: Glenn Parsons, Second: Roger Marks
 - (y/n/a): <y>,<n>,<a>

Supporting Information P802.1Qdx

- SA ballot closed: 4 March 2024
- All SA ballot requirements are met
- The ballot resulted in
 - 1 Disapprove votes with
 - 2 Must Be Satisfied (MBS) comments
- Comment resolution available here: <https://ieee802.org/1/files/private/dx-drafts/d2/802-1Qdx-d2-0-dis-v01.pdf>
- Recirculation ballot will be conducted during April/May with comment resolution in the regularly scheduled TSN TG meetings. A possible final recirculation in May/June if required with comment resolution in the regularly scheduled TSN TG meetings.

Ballot Summary																	
Open Date: 31 Jan 2024	Close Date: 04 Mar 2024 Status: Closed																
Draft Number: 2.0	Meets Editorial Requirements: Yes																
Ballot Group Members: 74 Minimum should be 10	Ballot Stage: Initial Ballot																
Return Ballots: (58) 78% Abstentions: (3) 5%	<div><div></div><div>Minimum return rate is 75%</div></div> <div><div></div><div>Abstention must be below 30%</div></div>																
Approval Rate: 98%	<div><div></div><div>Approval rate must be at least 75%</div></div>																
<table><tr><th colspan="2">Votes counted in approval rate</th></tr><tr><td>Approve</td><td>54</td></tr><tr><td>Disapprove With MBS Comment(s)</td><td>1</td></tr><tr><td>Total</td><td>55</td></tr></table>	Votes counted in approval rate		Approve	54	Disapprove With MBS Comment(s)	1	Total	55	<table><tr><th colspan="2">Votes not counted in approval rate</th></tr><tr><td>Disapprove Without MBS Comment(s)</td><td>0</td></tr><tr><td>Abstentions</td><td>3</td></tr><tr><td>Total</td><td>3</td></tr></table>	Votes not counted in approval rate		Disapprove Without MBS Comment(s)	0	Abstentions	3	Total	3
Votes counted in approval rate																	
Approve	54																
Disapprove With MBS Comment(s)	1																
Total	55																
Votes not counted in approval rate																	
Disapprove Without MBS Comment(s)	0																
Abstentions	3																
Total	3																
Total Votes: 58	Total Comments: 13																
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.																	

Supporting Information P802.1Qdx

- Voters with Disapprove vote
 - Rodney Cummings
- MBS comments associated with the Disapprove vote are on the following slide

Supporting Information P802.1Qdx

IEEE P802.1Qdx D2.0 YANG for CBS Initial Sponsor ballot comments

Cl 5	SC 5	P16	L1	#	I-2
Cummings, Rodney		Keysight Technologies			
Comment Type	TR	Comment Status		R	
There is no text for Conformance clause 5, so I have no way of knowing if this feature is required or optional.					
SuggestedRemedy					
Add statements to clause 5 stating that if YANG is supported for remote network management, 48.2.13 is optional.					
Response		Response Status W			
REJECT.					
5.4.1 "VLAN Bridge component options" item w) reads as follows: "w) Support YANG modules for the management of VLAN Bridge capabilities (Clause 48)."					
The present amendment updates Table A.47 with this module (as has been consistently done for all YANG modules) showing its optionality and its (obvious) dependency on implementation of the credit-based shaper. So there should be no doubt as to requirement/optionality. None of the YANG modules is required (as opposed to being optional).					
Although some YANG modules are more specifically described as optional in the Conformance clause, that is not currently consistent across all modules. Imposing such consistency would be outside the scope of this amendment project.					

Cl 48	SC 48.2.13	P16	L6	#	I-3
Cummings, Rodney		Keysight Technologies			
Comment Type	TR	Comment Status	R		
The PAR for IEEE P802.1Qdx has "5.5 Need for the project" with the phrase "... The ability to manage the credit-based shaper algorithm via YANG models is needed...", and "5.2.b Scope of the project" with the phrase "... configuration and status reporting for bridges and end stations (as specified by this standard) with the capabilities currently specified for the credit-based shaper algorithm (8.6.8.2) of this standard..."					
The current draft of IEEE P802.1Qdx does not meet this need or project scope.					
In IEEE Std 802.1Q, the specifications for management (aka configuration and status reporting), are in located clause 12. The specifications for the algorithm (e.g., 8.6.8 and 34.3) do not include management of that algorithm. The current IEEE P802.1Qdx draft acknowledges these facts with the phrase "...with nodes that represent the managed objects of credit-based shaper algorithm in Table 12-4.", but the actual YANG is not based on Table 12-4.					
If the YANG is specified according to all capabilities in Table 12-4, the project will be aligned with its PAR.					
If some of the management is missing, the credit-based shaper is not fully manageable, and the project is not aligned with its PAR.					
<i>SuggestedRemedy</i>					
- In the YANG, add nodes for deltaBandwidth, classMeasurementInterval, and lockClassBandwidth as listed in Table 12-4.					
- In the YANG, change the "reference" for traffic-class, admin-idle-slope, and oper-idle-slope to "12.20.1 of IEEE Std 802.1Q". Within 12.20.1, Table 12-4 lists additional references into the algorithm specifications, so everything is covered.					
- In the PDF text, make changes to align with the preceding YANG changes.					
<i>Response</i>		<i>Response Status</i>		W	
REJECT.					
The PAR specifically limited the scope of the project to the capabilities described in 8.6.8.2, which do not include deltaBandwidth, classMeasurementInterval, and lockClassBandwidth so do not specify any bridge behavioral dependencies on the additional parameters described in this comment. This PAR scope limitation was designed to focus on CBSA required parameters and not extend the project to cover all SRP related parameters referenced in Clause 34 that are not used in 8.6.8.2.					

802.1 Motions

2024-03

Consent Agenda

Liaisons and external
communications (ME)

Motion

- Approve submission of the following drafts when published to ISO/IEC JTC1/SC6 for adoption under the PSDO agreement:
 - IEEE 802.1Qdj, IEEE 802.1Qdx
 - In the WG, Proposed: Mark Hantel Second: Karen Randall
 - Sending draft (y/n/a): 35, 0, 2
- In EC, mover: Glenn Parsons Second: Roger Marks
 - (y/n/a): <y>,<n>,<a>

Motion

- Approve submission of the following comment responses to ISO/IEC JTC1/SC6 under the PSDO agreement:
 - IEEE 802.1Qcw-2023
 - <https://www.ieee802.org/1/files/public/docs2024/liaison-randall-SC6CommentResponseQcw-0324.pdf>
 - IEEE 802.1Qcj-2023
 - <https://www.ieee802.org/1/files/public/docs2024/liaison-randall-SC6CommentResponseQcj-0324.pdf>
- 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>

7.032 - Motion

- Approve <https://www.ieee802.org/1/files/public/docs2024/liaison-itu-t-sg15-LS89-OTNTSWP33-ieee8021status-0324.pdf> as communication to ITU-T SG15 on LS89: LS on OTNT Standardization Work Plan Issue 33, granting the IEEE 802.1 WG chair (or his delegate) editorial license.
 - This approval is under LMSC OM “Procedure for public statements to government bodies”
- 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>

7.033 - Motion

- Approve <https://www.ieee802.org/1/files/public/docs2024/liaison-response-itu-t-JCA-RoadmapIMT2020-0324.pdf> as communication to ITU-T JCA on LS14: LS on Invitation to update the information in the IMT2020 roadmap, granting the IEEE 802.1 WG chair (or his delegate) editorial license.
 - This approval is under LMSC OM “Procedure for public statements to government bodies”
- In the WG, Proposed: Mark Hantel Second: Karen Randall
 - Sending draft (y/n/a): 36, 0, 2
- In EC, mover: Glenn Parsons Second: Roger Marks
 - (y/n/a): <y>,<n>,<a>

802.1 Motions

2024-03

Consent Agenda

Liaisons and external communications (II)

7.034 - Motion

- Approve
<https://www.ieee802.org/1/files/public/docs2024/liaison-response-BroadbandForum-YANG-0324-v01.pdf> as communication to Broadband Forum, granting the IEEE 802.1 WG chair (or his delegate) editorial license.
- Proposed: Stephan Kehrer
- Second: Jessy Rouyer
- In the WG (y/n/a): 38, 0 , 3
- In the EC, for information (or motion to block)

7.035 - Motion

- Approve
<https://www.ieee802.org/1/files/public/docs2024/liaison-response-ieee1588-P8021ASebPARcomments-0324-v01.pdf> as communication to IEEE 1588 WG, granting the IEEE 802.1 WG chair (or his delegate) editorial license.
- Proposed: Don Pannell
- Second: Jessy Rouyer
- In the WG (y/n/a): 33, 1, 5
- In the EC, for information (or motion to block)

Administrative

WG MOTIONS

Minutes Motion

- 802.1 approves:
 - November 2023 (plenary) session minutes:
 - <https://www.ieee802.org/1/files/public/minutes/2023-11-minutes.pdf>
 - January 2024 (interim) session minutes:
 - <https://www.ieee802.org/1/files/public/minutes/2024-01-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 announcements	Agenda (days prior)	Agenda	Access Information
YANGsters	per agenda	Tue 2024-03-26	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 2024-07-15	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 2024-07-19	8:00 - 12:00	none	motion	14 days	https://1.ieee802.org/category/tsn-tg-agenda/	https://1.ieee802.org/meetings/
TSN TG	per agenda	Mon 2024-03-18	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 2024-04-08	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 2024-04-12	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 2024-04-02	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 2024-03-20	10:00 - 12:00 ET	weekly	motion	5 days	802.1 Minutes email list	http://www.ieee802.org/1/tsn
Nendica	per agenda	Thu 2024-03-21	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/

Nendica

WG MOTIONS

YANGsters

WG MOTIONS

Maintenance TG

WG MOTIONS

Security TG

WG MOTIONS

Meetings motion

- 802.1 authorizes the Security TG to hold an electronic interim session with 30 days announcement notice.
- Proposed: Jessy Rouyer
- Seconded: János Farkas
- Passed by acclamation

TSN TG

WG MOTIONS

Motion

- 802.1 authorizes Max Turner, the Editor of P802.1DG Standard for Local and Metropolitan Area Networks: Time-Sensitive Networking Profile for Automotive In-Vehicle Ethernet Communications to prepare drafts for and conduct Working Group balloting.
- Proposed: Craig Gunther
- Second: János Farkas
- In the WG (y/n/a): 36, 1, 0

Motion

- 802.1 authorizes Abdul Jabbar, the Editor of IEEE P802.1DP / SAE AS6675 Time-Sensitive Networking for Aerospace Onboard Ethernet Communications to prepare drafts for and conduct Working Group balloting.
- Proposed: János Farkas
- Second: Craig Gunther
- In the WG (y/n/a): 36, 2, 1

Motion

- 802.1 authorizes the TSN TG to develop a new PAR for fault-tolerant timing functionality at the May 2024 interim session for pre-circulation to the EC.
- Proposed: János Farkas
- Second: Don Pannell
- In the WG (y/n/a): 32, 1, 6

Motion

- 802.1 authorizes the TSN TG to develop a new PAR for the Resource Allocation Protocol at the May 2024 interim session for pre-circulation to the EC.
- Proposed: Mick Seaman
- Second: Max Turner
- In the WG (y/n/a): 26, 5, 8

Any other business?