



# Closing Plenary March 2021

Glenn Parsons – IEEE 802.1 WG Chair  
[glenn.parsons@ericsson.com](mailto:glenn.parsons@ericsson.com)

# 802.1 plenary agenda

## **Monday, July 12<sup>th</sup> opening**

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

## **Tuesday, July 20<sup>th</sup> closing**

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

# INSTRUCTIONS FOR CHAIRS OF STANDARDS DEVELOPMENT ACTIVITIES

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

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

# IEEE SA COPYRIGHT POLICY

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

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

# IEEE SA COPYRIGHT POLICY

- The IEEE SA Copyright Policy is described in the IEEE SA Standards Board Bylaws and IEEE SA Standards Board Operations Manual
  - IEEE SA Copyright Policy, see  
Clause 7 of the IEEE SA Standards Board Bylaws  
<https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7>  
Clause 6.1 of the IEEE SA Standards Board Operations Manual  
<https://standards.ieee.org/about/policies/opman/sect6.html>
- IEEE SA Copyright Permission
  - <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip>
- IEEE SA Copyright FAQs
  - <http://standards.ieee.org/faqs/copyrights.html/>
- IEEE SA Best Practices for IEEE Standards Development
  - [http://standards.ieee.org/develop/policies/best\\_practices\\_for\\_ieee\\_standards\\_development\\_051215.pdf](http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf)
- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
  - <https://standards.ieee.org/about/policies/opman/sect6.html>

# INSTRUCTIONS FOR THE WG CHAIR

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

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

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

# **PARTICIPANTS HAVE A DUTY TO INFORM THE IEEE**

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

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

# **WAYS TO INFORM IEEE**

- **Cause an LOA to be submitted to the IEEE SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or**
- **Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or**
- **Speak up now and respond to this Call for Potentially Essential Patents**

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



# OTHER GUIDELINES FOR IEEE WORKING GROUP MEETINGS

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

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

# **PATENT-RELATED INFORMATION**

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

- ***IEEE SA Standards Board Bylaws***  
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- ***IEEE SA Standards Board Operations Manual***  
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

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

**If you have questions, contact the IEEE SA  
Standards Board Patent Committee  
Administrator at [patcom@ieee.org](mailto:patcom@ieee.org)**

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# 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>

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## Participants in the IEEE-SA “*individual process*” shall act independently of others, including employers

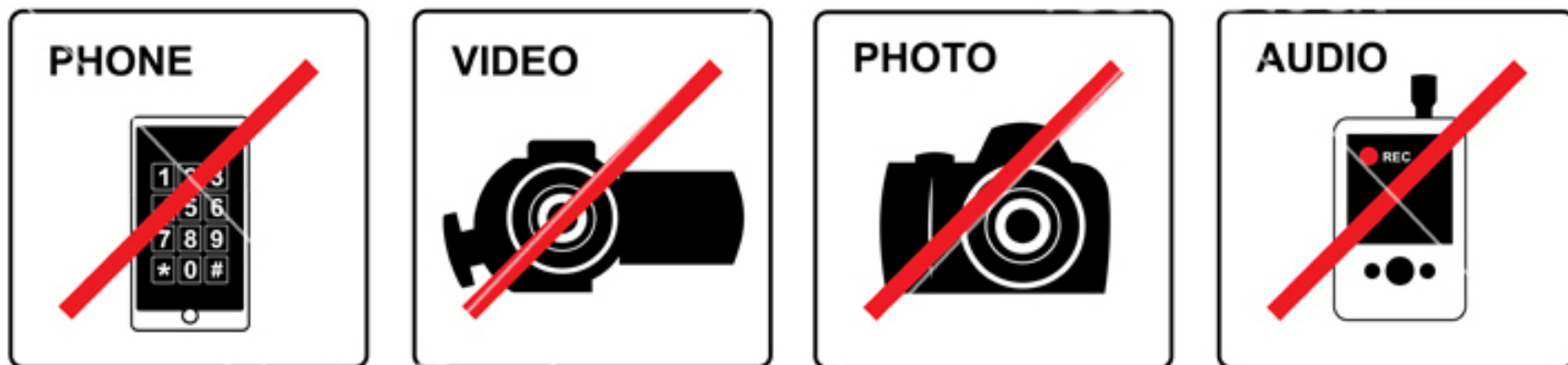
- The [IEEE-SA Standards Board Bylaws](#) require that “*participants in the IEEE standards development individual process shall act based on their qualifications and experience*”
- This means participants:
  - **Shall act & vote** based on their personal & independent opinions derived from their expertise, 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

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## 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

# DECORUM



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

# ATTENDANCE

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

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

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

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

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

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

# ELECTRONIC MEETING GUIDELINES

Please **mute** yourself when you are not speaking

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

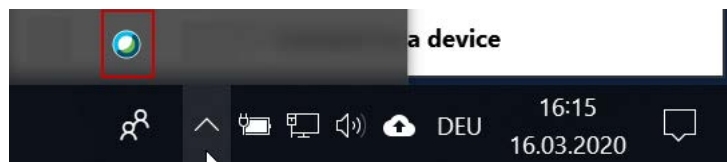
Please provide your information

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

## Changing your data in Webex

### Step 1

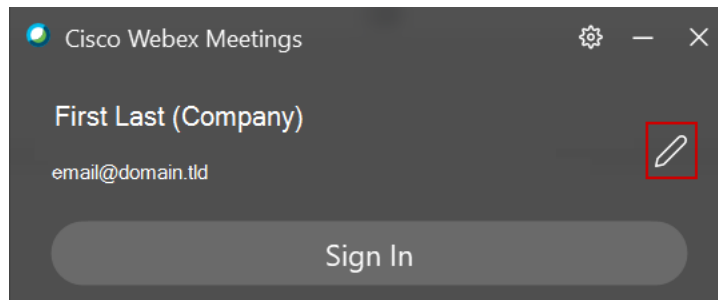
- Go to the "Display hidden icons" arrow in the Windows task bar



- Right-click on the Webex icon and select "Open Cisco Webex Meetings"

### Step 2

- In the Webex Windows that opens, Click on the pencil icon\* next to your display information





# General Information

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

# Officers and Leadership

- Chair: Glenn Parsons
- Vice-Chair & Recording Secretary : Jessy Rouyer
- Executive Secretary: Stephan Kehrer
- Liaison Secretary: Karen Randall
- Maintenance TG Chair: Paul Congdon
- Security TG Chair: Mick Seaman
  - Security TG Vice-Chair: Karen Randall
- TSN TG Chair: János Farkas
  - TSN TG Vice-Chair: Craig Gunther
  - TSN TG Secretary: Christian Boiger
  - IEC/IEEE 60802 Joint Project Chair: Ludwig Winkel
  - IEC/IEEE 60802 Joint Project Secretary: Josef Dorr
  - IEEE P802.1DP/SAE AS6675 joint project co-Chairs: Abdul Jabbar & János Farkas
  - IEEE P802.1DP/SAE AS6675 joint project Secretary: Marina Gutiérrez
- NENDICA Chair: Roger Marks
- YANGsters Chair: Scott Mansfield
  - YANGsters Vice-Chair and Secretary: Stephan Kehrer
- Maintenance of Email exploder: Hal Keen and Mark Hantel
- Maintenance of website: Roger Marks

# Editors – current projects

- [802.1Q chief editor](#) – Mick Seaman
  - [P802.1Qcj](#) – Scott Fincher
  - [P802.1Qcw](#) – Marina Gutierrez
  - [P802.1Qcz](#) – Paul Congdon
  - [P802.1Qdd](#) – Feng Chen
  - [P802.1Qdj](#) – Stephan Kehrer
  - [P802.1Qdq](#) – Hiroki Nakano
- [P802f](#) – Marc Holness
- [P802.1ABcu](#) – Scott Mansfield
- [P802.1ABdh](#) – Stephen Haddock
- 802.1AC chief editor – John Messenger
  - [P802.1ACct](#) – James Gilb
- 802.1AE chief editor - Mick Seaman
  - [P802.1AEdk](#) – Don Fedyk
- 802.1AS chief editor – Geoffrey Garner
  - [P802.1ASdm](#) – Geoffrey Garner
  - [P802.1ASdn](#) – Rodney Cummings
  - [P802.1ASdr](#) – Silvana Rodrigues
- [P802.1BA](#) – David McCall
- [P802.1CBcv](#) – Stephan Kehrer
- [P802.1CBdb](#) – Christophe Mangin
- [P802.1CQ](#) – Roger Marks
- [P802.1CS](#) – Norman Finn
- [P802.1DC](#) – Norman Finn
- [P802.1DF](#) – Tongtong Wang
- [P802.1DG](#) – Max Turner
- [P802.1DP / SAE AS6675](#) – Abdul Jabbar
- [IEC/IEEE 60802](#) – Jordon Woods

# Affiliation

- You must declare your affiliation(s) which includes employer(s)
  - Per [SASB Bylaws](#) 5.2.1.5 & [SASB OpsMan](#) 5.1.2.3
  - In meetings
    - In-person (and current plenary session) meeting registration system
    - myProject system for IMAT attendance, ePoll & myBallot
    - Electronic meeting participant list
    - First time you speak in a session
  - When balloting
    - 802.1 ballot email responses for TG & WG ballots
    - myProject system for SA ballot
- Please keep your affiliation\* and employer\*\* information up-to-date

(\*) After signing in in [myProject](#) > Manage Profile & Interests > Personal & Professional Info > Employer field

(\*\*) After signing in at <https://ieee.org> > Your Name > Professional and Education Information > “Your employment information” Edit > Employer

# 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 ballots (including ePolls).
- When you return your vote on a TG/WG ballot;
  - Do use the correct email list ([STDS-802-1-ballot@listserv.ieee.org](mailto:STDS-802-1-ballot@listserv.ieee.org)) and subject line, as specified in the email instructions (viewable on the [main 802.1 Email archive](#)).
  - If you do not, the automatic tools will not count your vote.
  - Do not simply “Reply” to the ballot announcement.
- When you lose your voting membership this way, you lose all your qualifying attendance credit.
  - If you want to become a voting member again, you have to notify the WG Chair and Recording Secretary that you wish to become a voting member again.

# The following are 802.1 voters (78):

Ademaj, Astrit  
Assmann, Ralf  
Belliardi, Rudy  
Boiger, Christian  
Bottorff, Paul  
Canchi, Radhakrishna  
Chen, David  
Chen, Feng  
Congdon, Paul  
Cummings, Rodney  
Dorr, Josef  
Elbakoury, Hesham  
Engelmann, Anna  
Enzinger, Thomas  
Farkas, Janos  
Fedyk, Donald  
Finn, Norman  
Garner, Geoffrey  
Gopal, Amrit  
Gunther, Craig  
Gutierrez, Marina  
Haddock, Stephen  
Hantel, Mark  
Henry, Jerome  
Holness, Marc  
Hopf, Daniel

Huh, Woojung  
Itaya, Satoko  
Ito, Yoshihiro  
Karl, Michael  
Kehrer, Stephan  
Kelsey, Randy  
Lai, Gavin  
Lawlis, James  
Lopes, Joao  
Lv, Lily  
Mangin, Christophe  
Mansfield, Scott  
Maruhashi, Kenichi  
Mater, Olaf  
McCall, David  
McMillan, Larry  
Messenger, John  
Nakano, Hiroki  
Noseworthy, Bob  
Ohue, Hiroshi  
Pannell, Donald R  
Parsons, Glenn  
Potts, Michael  
Proell, Dieter  
Qiu, Wei  
Randall, Karen

Riegel, Maximilian  
Rodrigues, Silvana  
Rouyer, Jessy V  
Sato, Atsushi  
Schewe, Frank  
Seaman, Michael  
Seewald, Maik  
Sivakolundu, Ramesh  
Specht, Johannes  
Stanica, Marius  
Steindl, Guenter  
Sun, Liyang  
Traore, Karim  
Turner, Max  
Varga, Balazs  
Venkatesan, Ganesh  
Wang, Tongtong  
Wang, Xinyuan  
Weber, Karl  
Winkel, Ludwig  
Woods, Jordon  
Yamaura, Takahiro  
Yin, Yue  
Zein, Nader  
Zhao, William  
Zinner, Helge

The following became voting  
members this week:

Gopal, Amrit

Lopes, Joao

Sun, Liyang



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

Bierschenk, Jens

Markwart, Christian

Fincher, Scott

Petre, Razvan

Gravel, Mark

Yang, Chase

Hotta, Yoshifumi

Katsalis, Kostas

Klamser, Oliver

Koto, Hajime

Kondo, Kenji

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

Chen, David  
Yue, Yin

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

Noseworthy, Bob

# 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 working group they are accumulating credit for this plenary.
- 802.1 attendance credit will not be granted for a voting member who attended only 802.11 meetings.

# Interim sessions

- May 18-22, 2020
    - Pasadena, CA, USA hosted by Ethernet Alliance
  - September 21-25, 2020
    - Stuttgart, DE hosted by Hirschmann
  - January 2021
  - May 3-7, 2021
    - Santa Fe, NM, USA hosted by Analog Devices
  - September 20-24, 2021
    - Stuttgart, DE hosted by Hirschmann
  - January 2022
- Changed to electronic due to COVID-19**
- May 2022 ([proposal](#))
    - Santa Fe, NM, USA hosted by Analog Devices
  - September 2022 (proposal in Geneva, CH)
    - 12-16 Sept 2022: co-located 802.1/802.3 meetings
    - 17 Sept 2022 (Saturday): Joint ITU-IEEE workshop
    - 19-30 Sept. 2022: ITU-T SG15

# Plenary sessions

- March 15-20, 2020 – Atlanta, GA, USA
  - Hilton Atlanta
- July 12-17, 2020 – Montreal, QC, Canada
  - Sheraton Montreal
- November 8-13, 2020 – Bangkok, Thailand
  - Bangkok Marriott Marquis Queen's Park
- March 14-19, 2021 – Denver, CO, USA
  - Hyatt Regency Denver
- July 11-16, 2021 – Madrid, Spain
  - Marriott Madrid Auditorium
- November 14-19, 2021 – Vancouver, BC, Canada
  - Hyatt Regency Vancouver
- March 13-18, 2022 – Orlando, FL, USA
  - Disney Springs
- July 10-15, 2022 – Montreal, QC, Canada
  - Sheraton Montreal
- November 13-18, 2022 – Bangkok, Thailand
  - Marriott Marquis Queen's Park

**Cancelled or  
changed to  
electronic  
due to  
COVID-19**

# Future sessions decision dates

- Plenary sessions
  - November 14-19, 2021 – Vancouver, BC, Canada
    - **Latest possible decision date:** September 7, 2021
  - March 13-18, 2022 – Orlando, FL, USA
    - **Latest possible decision date:** November 2, 2021
- Interim sessions
  - January 17-21, 2022
    - Choose electronic week at July plenary
    - 802.3: Jan 10-21      802.11: Jan 17-21
  - May 23-27, 2022, Sante Fe, NM, USA

# Straw poll

– When do you expect the next in-person 802.1 Session will be?

- A – November 2021 - 16
- B – March 2022 - 20
- C – May 2022 -16
- D– July 2022 - 5
- E – Sept 2022 - 1
- F – Nov 2022 - 0
- G – 2023 or later - 2
- No Answer -23 (84 in room)



# Straw Poll

- Will you attend the 2021 November IEEE 802 Plenary if held in-person at the Hyatt Regency Vancouver in Vancouver, Canada Nov 14-19, 2021
  - Yes - 17
  - No - 24
  - Abstain - 23
  - No answer - 21
  - (85 in the room)

# Sanity check – current workload

Project	Short Title	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1Qcj	Auto Attach to PBB	PAR extension	WG ballot	D1.3	PAR extension	Dec '21
802.1CQ	Multicast and Local Address Protocol	PAR Extension	TG Ballot	D0.5	TG Ballot	Dec '22
802.1CS	LRP	RevCom	Published - Apr 23	D3.1		Dec '21
802.1ACct	support for 802.15.3	WG ballot	WG ballot	D1.0	SA Ballot	Dec '21
802.1ABcu	LLDP YANG	SA Ballot	WG Ballot	D2.0	SA Ballot	Dec '21
802.1CBcv	FRER YANG & MIB	WG Ballot	WG Ballot	D1.3	SA Ballot	Dec '22
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	WG ballot	WG ballot	D1.3	PAR extension	Dec '21
802.1Qcz	Congestion Isolation	SA Ballot	SA Ballot	D2.0	RevCom	Dec '22
60802 (DA)	TSN Profile for Industrial Automation	TG Ballot	TG Ballot	D1.2	TG ballot	Dec '22
802.1CBdb	FRER (CBcv) extensions	WG Ballot	WG Ballot	D1.4	SA Ballot	Dec '22
802.1DC	QOS provision by network systems	WG Ballot	TG Ballot	D1.1	WG Ballot	Dec '22
802.1Qdd	Resource Allocation Protocol	TG Ballot	TG Ballot	D0.4	TG ballot	Dec '22
802.1DF	TSN Profile for Service Provider Networks	TG ballot	TG ballot	D0.1	TG ballot	Dec '23
802.1DG	TSN Profile for Automotive Networks	TG Ballot	TG Ballot	D1.3	TG ballot	Dec '23
802.1ABdh	LLDPv2	WG Ballot	WG Ballot	D1.2	SA Ballot	Dec '23
802.1Qdj	TSN Configuration Enhancements	TG ballot	TG ballot	D0.1	TG ballot	Dec '23
802.1AEdk	Privacy enhancements for use with MACsec	TG Ballot	TG ballot	D0.61	TG ballot	Dec '23
802f	EtherType YANG	TG Ballot	TG Ballot	D0.4	WG Ballot	Dec '23
802.1ASdm	Hot standby	TG Ballot	TG Ballot	D0.2	TG Ballot	Dec '24
802.1Q-REV	Bridges and Bridged Networks	WG Ballot	WG Ballot	D0.2	SA Ballot	Dec '24
802.1ASdn	Time Synch YANG	TG Ballot	PAR approved		Editor's draft	Dec '24
802.1DP	TSN Profile for Aerospace	TG Ballot	PAR approved		Editor's draft	Dec '24
802.1BA-rev	AVB Systems	WG Ballot	WG Ballot	D1.0	SA Ballot	Dec '24
802.1AS/cor1	Timing and Synchronization corrigendum	WG Ballot	WG Ballot	D2.0	SA Ballot	Dec '24
802.1Qdq	Tspec	PAR approved	PAR approved		TG Ballot	Dec '25
802.1ASdr	Inclusive Language	PAR approved	PAR approved		TG Ballot	Dec '25

# 802.1Q revisions and amendments

## 802.1Q-2021

incorporating

- IEEE Std 802.1Qcc-2018
- IEEE Std 802.1Qcp-2018
- IEEE Std 802.1Qcy-2019
- IEEE Std 802.1Qcx-2020
- IEEE Std 802.1Qcr-2020

## P802.1Qcz

- SA ballot

## P802.1Qcj

- WG ballot

## P802.1Qdd

- TG ballot

## P802.1Qcw

- WG ballot

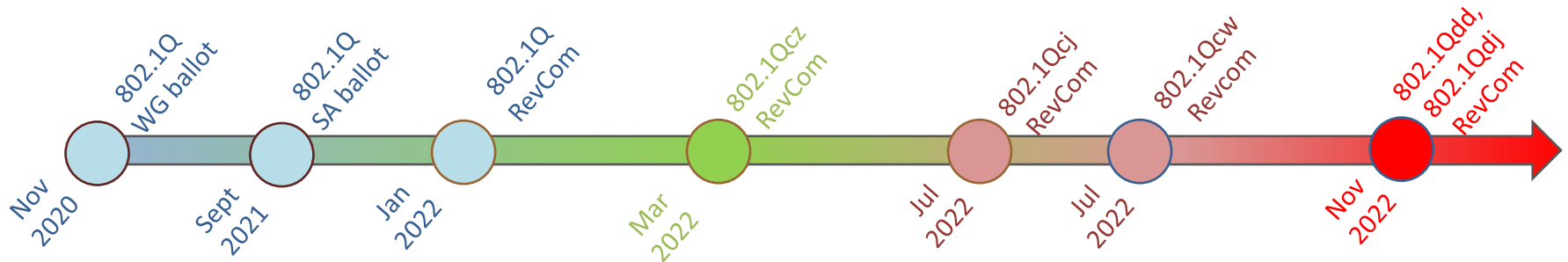
## P802.1Qdj

- TG ballot



Locked on May 7, 2021

Amendments blocked until approval



# EC approvals for SA ballot & RevCom

## Normal

- Plenary WG motion
- Plenary EC motion
  - May be consent agenda

## Exceptional

- WG ePoll
- EC monthly meeting motion
- Options before Oct 18<sup>th</sup>  
NesCom/Revcom deadline
  - 07 Sep 2021
    - Aug 27 – latest ePoll start
  - 05 Oct 2021 – EC meeting
    - Sept 24 – latest ePoll start
  - 02 Nov 2021 – EC meeting
    - Oct 22 – latest ePoll start

P802.1Q-rev to SA ballot

P802.1BA-rev to RevCom



# IEEE Std. 802.1D-2004

- All relevant content from .1D is contained in .1Q
  - This was concluded with the [2013 revision PAR](#) for 802.1Q
    - Merged IEEE Std 802.1D with IEEE Std 802.1Q in order to create a single bridging standard
- Actions to be led by Maintenance TG
  - Coordinate updates with other 802 WGs
  - Motion correcting the SA database to indicate that IEEE Std 802.1D-2004 was superseded by IEEE Std 802.1Q-2014.

# 802.1 PARs this week

- 802.1Qcw - Amendment: YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing, [PAR Extension](#) and [CSD](#)
- 802.1Qcj - Amendment: Automatic Attachment to Provider Backbone Bridging (PBB) services, [PAR Extension](#) and [CSD](#)
- 802.1 - Industry Connections: Nendica [ICAID](#)
- Special session process
  - Pre-circulation of PARs
    - due Jun 8
  - *Maintenance TG prepares 802.1 comments*
    - due Jul 14
  - 802.1 response to other WG comments
    - due Jul 21
  - EC approval
    - Jul 23

# Other 802 PARs this week

- 802.3de - Amendment: Enhancements to the MAC Merge function and the Time Synchronization Service Interface (TSSI) to include Point-to-Point 10 Mb/s Single Pair Ethernet, [PAR](#) and [CSD](#)
  - [802.1 comments](#)
- 802.15.13 Standard: Multi-Gigabit per Second Optical Wireless Communications (OWC), with Ranges up to 200 meters, for both stationary and mobile devices, [PAR Extension](#) and [CSD](#)
- 802.15.4-2020/Cor1 Corrigendum 1: Correction of errors preventing backward compatibility, [PAR Modification](#)
- 802.15.4ab Amendment: Enhanced Ultra Wide-Band (UWB) Physical Layers (PHYs) and Associated MAC Enhancements, [PAR](#) and [CSD](#)
- 802.15.6a Amendment: Dependable Human and Vehicle Body Area Networks, [PAR](#) and [CSD](#)
- 802.15.14 Standard: Ad-Hoc Impulse Radio Ultra Wideband Wireless Networks, [PAR](#) and [CSD](#)
- 802.15.15 Standard: Ad-Hoc Low-Rate Wireless Networks, [PAR](#) and [CSD](#)
  - [802.1 comments](#)

# Liaison Resources

- IEEE 802.1 Liaison Page
  - <https://1.ieee802.org/liaisons/>
  - links to the Liaison Table (updated for each session) and Liaison Templates
- Updated 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 a draft.



# Incoming Liaisons (*new*)

- **Maintenance**

- ITU-T SG2: [LS190](#) LS response on IEEE Std 802.1D-2004 withdrawal
- ITU-T SG5: [LS219](#) LS response on use of inclusive language in 3GPP
- ITU-T SG9: [LS141](#) LS response on IEEE Std 802.1D-2004 withdrawal
- ITU-T SG15: [LS313](#) updated zoom callin information

- **TSN**

- IOWN GF: [LS](#) and [paper](#) on Systems and Technology Outlook
- IEC 65C/WG15: [Liaison](#) supplemental info on CCM interval extension
- BBF: [LS469](#) strategy to bind IEEE 802.1Qcx CFM YANG model to the IETF RFC 8632 Alarm Management YANG model to support BBF access node requirements
- ETSI ISG mWT: [LS](#) re: publication of Wireless Backhaul Network and Services Automation: SDN SBI YANG models

# Incoming Liaisons

## *(previously received)*

- TSN
  - ITU-T SG15: [LS 271](#) on updated recommendations on Ethernet
    - Received September 2020
  - ITU-T SG15 [LS 316](#): LS on revision of G.8012 and G.8021
    - Received May 2021, Anticipate responding to both Sept/Nov 2021
  - OPC Foundation: [Liaison](#) on OPC Unified Architecture Field eXchange UAFX (IEC/IEEE 60802)
  - 5G-ACIA: [Liaison](#) on 5G capabilities exposure for factories of the future
- Maintenance
  - ITU-T SG11 [LS 186](#): response on LS re: 802.1D withdrawal
  - ITU-T SG15 [LS 312](#): OTNT Standardization Work Plan Issue 29
    - Anticipate responding Nov 2021
- Nendica
  - ITU-T SG13 [LS 205](#): draft Recommendation Y.ICN-SEAN on “Architecture and Functional Framework for On-Site, Elastic and Autonomous ICN”

# Outgoing Liaisons

- Motion from Nendica:
  - Approve liaison response to ITU-T SG13 liaison from May 2021 on draft Recommendation Y.ICN-SEAN
    - <https://www.ieee802.org/1/files/private/liaison-drafting/liaison-response-SG13-LS205-v00.pdf>
- Motion from TSN (Yangsters):
  - Approve liaison response to BBF
    - <https://www.ieee802.org/1/files/private/liaison-drafting/yangsters-smansfield-draft-liaison-bbf-0721-v03.pdf>
  - Approve liaison response to ETSI ISG mWT
    - <https://www.ieee802.org/1/files/private/liaison-drafting/yangsters-smansfield-draft-liaison-etsi-mwt-0721-v03.pdf>
  - Approve liaison to IEEE 1722 and IEEE 1722.1 with draft IEEE 802.1CQ
    - <https://www.ieee802.org/1/files/private/liaison-drafting/cq-marks-draft-liaison-1722-0721-v02.docx>
- Motions from Maintenance:
  - Approve liaison response to ITU-T SG11 re: 802.1D withdrawal:
    - <https://www.ieee802.org/1/files/private/liaison-drafting/liaison-response-itu-t-sg11-8021Dwithdrawal-0721-v01.pdf>
  - Approve liaison of the following to ISO/IEC JTC1/SC6:
    - Send draft(s) P802.1ACct to ISO/IEC JTC1 SC6 for information under the PSDO agreement, when SA ballot starts: P802.1ABdh, P802.1CBcv, P802.1CBdb, P802.1BA-Rev, P802.1AS/Cor-1

# Promotion



- IEEE SA marketing collateral
  - [TSN automotive](#), [TSN industrial](#)
  - TSN logo
- Issue press releases, call for participation or blog posts
  - [802.1CM / Emerging Technology Award](#) – Beyond Standards
- Tutorial
  - TSN tutorial proposed for development and release in early 2022
  - Teaser tutorial webinars proposed for fall 2021
    - 802.1, TSN toolset, profiles
- Presence at Industry Events
  - [WSTS](#) – 24 March - 1 April 2021
  - [TSN/A](#) – 29-30 September 2021 – **25% discount** for 802.1 participants
  - [IEEE-SA Ethernet & IP - Automotive Technology Day](#) – 3-4 Nov 2021

# Subgroup reports

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

# 802.1 plenary session

## electronic meeting schedule

ET Start	ET End	Monday Jul 12	Tuesday Jul 13		Wednesday Jul 14		Thursday Jul 15		Friday Jul 16		PT Start	CET start	JST start	Monday Jul 19		Tuesday Jul 20			
09:00	09:30	Opening plenary	TSN P802.1DG		TSN	TSN 60802	TSN	Nendica	TSN	TSN 60802	06:00	15:00	22:00	TSN	TSN 60802	Closing plenary meeting			
09:30	10:00										06:30	15:30	22:30						
10:00	10:30										07:00	16:00	23:00						
10:30	11:00										07:30	16:30	23:30						
11:00	11:30			Security				Security		Security	08:00	17:00	00:00						
11:30	12:00	TSN 60802	TSN 60802		TSN P802.1DP	TSN 60802	TSN		Security		TSN	Security	08:30	17:30	00:30	TSN			
12:00	12:30													09:00	18:00		01:00		
12:30	13:00													09:30	18:30		01:30		
13:00	13:30										10:00	19:00	02:00						
13:30	14:00	802.1 orientation									10:30	19:30	02:30						
14:00	14:30	TSN	Mainte- nance		TSN		TSN	YANGsters	Mainte- nance		11:00	20:00	03:00	TSN	Mainte- nance				
14:30	15:00										11:30	20:30	03:30						
15:00	15:30										12:00	21:00	04:00						
15:30	16:00										12:30	21:30	04:30						
16:00	16:30										13:00	22:00	05:00						

# 802.1 Leadership meetings

- Every Thursday – 11:00 ET
  - Since February 2020 to manage current shift to electronic sessions
  - Starting again Aug 26<sup>th</sup>
- Editors' meetings
  - 11:00 ET – Thursday after each session (July 22<sup>nd</sup>)
  - Sharing of best practices by editors
- Additional leadership – July 20<sup>th</sup> 12:30 ET
  - Prepare PAR responses, EC consent agenda for July 23<sup>rd</sup> EC meeting

# Maintenance Session Summary

- Four maintenance TG meetings during the session:
  - July 13, 14 (ad-hoc), 16, 19
  - See <https://www.ieee802.org/1/files/public/docs2021/maint-congdon-concall-0721-1-v03.pdf> with post-meeting details
- 802.1D Supersede Plans
  - Reviewed status: [https://www.ieee802.org/1/files/public/docs2021/maint-parsons-802.1D\\_withdrawal\\_status-0721-v01.pdf](https://www.ieee802.org/1/files/public/docs2021/maint-parsons-802.1D_withdrawal_status-0721-v01.pdf)
- Created 802.3 and 802.15 PAR Responses
  - <https://www.ieee802.org/1/files/public/docs2021/admin-PAR-CSD-comments-802-3-0721-v02.pdf>
  - <https://www.ieee802.org/1/files/public/docs2021/admin-PAR-CSD-comments-802-15-0721-v02.pdf>
- Comment Resolution:
  - Completed P802.1BA-Rev/d1.0
  - Nearly complete P802.1Q-Rev/d0.5
- Draft Status:
  - Send P802.1AS-2020/Cor1 to SA ballot
  - Conditionally send P802.1BA-Rev to SA ballot
  - Conditionally send P802.1ACct to SA ballot
- Liaisons
  - Acknowledged 3 incoming
  - Drafted 1 outgoing - <https://www.ieee802.org/1/files/private/liaison-drafting/liaison-response-itu-t-sg11-8021Dwithdrawal-0721-v01.pdf>
- Maintenance request progress – see: <https://www.802-1.org/meetings/114>
  - 2 newly received items -> technical expert review
  - 1 updated items with no status change



# ISO/IEC JTC1 SC6 Status

- 40 standards currently PSDO approved
- 8 standards in PSDO adoption process
- 1 standard in PSDO 60-day pre-ballots
- 1 standards queued up to send to PSDO (already approved by WG to send)
- 4 standards to send for information
- Motion for documents sent for information
  - IEEE 802.1CBdb
  - IEEE P802.1CBcv
  - IEEE 802.1ABdh
  - IEEE P802.1AS-2020/Cor 1
  - IEEE P802.1BA-Rev
  - IEEE P802.1ACct

# Maintenance Next Steps

- Electronic meeting on July 29, 2021 to finalize P802.1Q-Rev/d0.5 and begin P802.1ACct/d1.2 comment resolution
- Electronic meetings as needed to address new and existing maintenance requests

# Security TG – Session Report

## 1. P802.1AEdk MACsec Privacy Protection

- Discussion of comments received on 2<sup>nd</sup> TG ballot of D0.7
- Making progress, few Disapproves, but lots of detail to address
  - **Additional comments solicited, aim is to use electronic meetings to get in good enough shape for WG ballot**

## 2. A.O.B.

- Brief discussion of IETF key store draft, further discussion to prepare comments in upcoming electronic meetings

## 3. Future TG electronic meetings

- **3<sup>rd</sup> August, 13:00 ET**
- **17<sup>th</sup> August, 13:00 ET**

# IEEE 802.1 TSN TG Agenda

IEEE 802 Plenary, July 12-20, 2021

ET Start	ET End	Monday Jul 12	Tuesday Jul 13	Wednesday Jul 14		Thursday Jul 15	Friday Jul 16		PT Start	CEST Start	JST Start	Monday Jul 19		Tuesday Jul 20
9:00	9:30	Opening plenary	TSN - P802.1DG Shapers	TSN Qcz timing, PFC headrm, Comment resolution: P802.1ABcu	TSN - IEC/IEEE 60802 LNI 4.0, Sync reqs	TSN 10BASE-T1S -> AS, Config for WTSN, PAR comments	TSN Maint #311, P802.1DC, Qdq text non-FIFO Queues	TSN - IEC/IEEE 60802 neighborRateRatio, 1-step clock	6:00	15:00	22:00	TSN Comment resolution: P802.1ABcu, P802.1ASdm	TSN - IEC/IEEE 60802 VLAN config, multi-domain	Closing plenary
9:30	10:00								6:30	15:30	22:30			
10:00	10:30								7:00	16:00	23:00			
10:30	11:00								7:30	16:30	23:30			
11:00	11:30	recess	recess	recess		recess	recess		8:00	17:00	0:00	recess		
11:30	12:00	TSN - IEC/IEEE 60802 Security	TSN - IEC/IEEE 60802, Status updates, Editor's report, Time sync simulation results	TSN - P802.1DP/AS6675 ARINC 664p7 Traffic Shaping Features	TSN - IEC/IEEE 60802 Bridged end station, Network config entity, CFM intro	TSN P802.1Qdd update, Qdd TSpec types, opt. BMCA & Domain 0	8:30	17:30	0:30	TSN P802.1CQ update, outgoing liaisons, Comment resolution: P802.1ASdm				
12:00	12:30						9:00	18:00	1:00					
12:30	13:00						9:30	18:30	1:30					
13:00	13:30						10:00	19:00	2:00					
13:30	14:00	802.1 orientation		recess		recess		10:30	19:30	2:30				
14:00	14:30			TSN P802.1Qdj: Editor's update, CNC requirements		TSN Comment resolution: P802.1ASdm		11:00	20:00	3:00				
14:30	15:00	TSN liaisons, motions, P802.1CBdb			TSN Ad Hoc Blog post on 802.1CM	11:30		20:30	3:30					
15:00	15:30					12:00		21:00	4:00					
15:30	16:00					12:30		21:30	4:30					
16:00	16:30					13:00		22:00	5:00					
16:30	17:00					13:30		22:30	5:30					

- TSN TG agenda details are available at: <https://1.ieee802.org/2021-07-plenary-tsn-agenda/> (see also the [802.1 WG schedule](#))
- Note that the TSN TG agenda may change, e.g., depending on progress

# Nendica Summary




- Met Thursday 2021-07-15, 09:00-11:00 ET
- Draft minutes:
  - <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;22e7105c.21>
- Key meeting topics:
  - Completed ICAID renewal proposal
    - agreed to forward Draft Nendica ICAID Renewal <https://mentor.ieee.org/802.1/dcn/21/1-21-0011-07-ICne.docx> and Draft Nendica ICom Report <https://mentor.ieee.org/802.1/dcn/21/1-21-0012-04-ICne.pptx> to IEEE 802.1 WG
  - Cut-Through Forwarding (CTF)
    - Follow-up to IEEE 802 CTF tutorial of 2021-07-07, including video recording; planning meeting of 2021-08-05
  - Reviewed liaison statement SG13-205 from ITU-T
    - Developed framework of response and assigned drafting team
  - Potential new Study Item "Potential Nendica Study Item: Evolving IEEE 802 Architecture Requirements"
    - No time for discussion
- Details:
  - <https://1.ieee802.org/802-nendica/>

# YANGsters Status

- YANGsters site
  - <https://1.ieee802.org/yangsters/>
- YANGsters agendas
  - <https://1.ieee802.org/category/yangsters-agenda/>
- UML-Like Diagram
  - Text for Introduction Clause:  
<https://1.ieee802.org/yangsters/yangsters-guidelines/yangsters-faq/>
  - Diagram description: <https://1.ieee802.org/uml-like-diagrams/>
- Liaison responses to incoming liaisons from BBF and ETSI
- Motion for weekly meetings to begin 27 July 2021

# WG Member Voting



- Access the web voting tool via the “Voting Member – [Cast your vote](#)” link on the 802.1 [July 2021 plenary session](#) page
- When asked to sign in, use your IEEE Account user name and password
- Click the  for IEEE 802.1 Closing Plenary – July 2021
- 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

March 18, 2021

# **MOTIONS FOR 802 EC**



# Agenda

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- Industry Connections
  - 5.xxx - Nendica ICAID
- PARs to NesCom
  - 5.0xx - P802.1Qcj
  - 5.0xx - P802.1Qcw
- Drafts to SA Ballot
  - 5.0xx – P802.1ABdh
  - 5.0xx – P802.1CBcv
  - 5.0xx – P802.1CBdb
  - 5.0xx – P802.1AS-2020/Cor1 D2.0
  - 5.0xx – P802.1ACct D2.0 - conditional
  - 5.0xx – P802.1BA-Rev D2.0 - conditional

# Agenda (contd...)

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- External communications (ME)
  - 7.0xx – Approve submission to ISO/IEC JTC1/SC6 for information under the PSDO agreement.
  - 7.0xx – Approve 802.1 communication to ITU-T SG11 on 802.1D
  - 7.0xx – Approve 802.1 communication to ITU-T SG13
- External communications (II)
  - 7.0xx – Approve 802.1 communication to BBF
  - 7.0xx – Approve 802.1 communication to ETSI
  - 7.0xx – Approve 802.1 communication to IEEE 1722 and 1722.1
  - 7.0xx – Approve 802.1 blog post on 802.1CM
- Staff request (ME)
  - Update 802.1D in database

# 802.1 Motions

## 2021-07

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### Consent Agenda

### Industry Connections

# 5.0xx - Motion

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- Forward Nendica ICAID Renewal  
<https://mentor.ieee.org/802.1/dcn/21/1-21-0011-07-ICne.docx>, including Nendica ICom Report  
<https://mentor.ieee.org/802.1/dcn/21/1-21-0012-04-ICne.pptx> for information
- In the WG, Proposed: Roger Marks    Second: Jessy Rouyer
  - (y/n/a): 54, 0, 3
- In EC, mover: Glenn Parsons    Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

# 802.1 Motions

## 2021-07

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Consent Agenda

PARs to NesCom

# 5.0xx - Motion

- Approve forwarding P802.1Qcj PAR extension documentation in <https://www.ieee802.org/1/files/public/docs2021/cj-PAR-extension-0721-v01.pdf> to NesCom
- Approve (unmodified) CSD documentation in <https://www.ieee802.org/1/files/public/docs2015/new-autoattach-romascanu-csd-0315-v01.pptx>
- In the WG, Proposed: János Farkas, Second: Jordon Woods
  - PAR (y/n/a): 52, 1, 4
  - CSD (y/n/a): 51, 1, 5
- In EC, mover: Glenn Parsons, Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

# 5.0xx - Motion

- Approve forwarding P802.1Qcw PAR extension documentation in <https://www.ieee802.org/1/files/public/docs2021/cw-PAR-extension-0721-v01.pdf> to NesCom
- Approve (unmodified) CSD documentation in <https://www.ieee802.org/1/files/public/docs2017/cw-draft-CSD-0517-v02.pdf>
- In the WG, Proposed: János Farkas, Second: Jessy Rouyer
  - PAR (y/n/a): 52, 1, 2
  - CSD (y/n/a): 52, 1, 3
- In EC, mover: Glenn Parsons, Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

# 802.1 Motions

## 2021-03

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Consent Agenda

Drafts to SA Ballot



# 5.0xx - Motion

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- Approve sending P802.1ABdh D2.0 to Standards Association ballot
- Confirm the CSD for P802.1ABdh in <https://mentor.ieee.org/802-ec/dcn/19/ec-19-0138-00-ACSD-p802-1abdh.pdf>
- In the WG, Proposed: János Farkas    Second: Jessy Rouyer
  - Sending draft (y/n/a): 54, 1, 3
  - CSD (y/n/a): 54, 1, 3
- In EC, mover: Glenn Parsons,    Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

# Supporting information P802.1ABdh

- P802.1ABdh D1.2 had 100% approval at the end of the last WG ballot
- WG ballot closed: 21 May 2021
- All WG ballot requirements are met
- The ballot resulted in
  - 0 Disapprove votes
  - 0 comments
- Ballot results available here:  
<https://www.ieee802.org/1/files/private/dh-drafts/d1/802-1ABdh-d1-2-dis-v1.pdf>

## Ballot results:

CATEGORY	All respondents	
	TOTAL	%
Yes	35	100
No	0	0
Voting Yes or No	35	56
Abs. Time	2	3
Abs. Expertise	25	40
Abs. Other	0	0
Respondents	62	87
Voting members	71	
Non-voting commenters	0	
No. of commenters	0	
No. of comments	0	
TR	0	
T	0	
ER	0	

# 5.0xx - Motion

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- Approve sending P802.1CBcv D2.0 to Standards Association ballot
- Confirm the CSD for P802.1CBcv in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0089-00-ACSD-802-1cbcv.pdf>
- In the WG, Proposed: János Farkas    Second: Jessy Rouyer
  - Sending draft (y/n/a): 53, 2, 4
  - CSD (y/n/a): 53, 1, 5
- In EC, mover: Glenn Parsons,    Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

# Supporting information P802.1CBcv

- P802.1CBcv D1.3 had 100% approval at the end of the last WG ballot
- WG ballot closed: 26 May 2021
- All WG ballot requirements are met
- The ballot resulted in
  - 0 Disapprove votes
  - 0 comments
- Ballot results available here:  
<https://www.ieee802.org/1/files/private/cv-drafts/d1/802-1CBcv-d1-3-dis-v01.pdf>

## Ballot results:

CATEGORY	All respondents	
	TOTAL	%
Yes	38	100,00% <sup>a</sup>
No	0	0,00%
Voting Yes or No	38	59,38%
Abs. Time	2	3,13%
Abs. Expertise	24	37,50%
Abs. Other	0	0%
Respondents	64	90,14% <sup>b</sup>
Voting members	71	
Non-voting commenters	0	
No. of commenters	0	
No. of comments	0	

a. 75% required for approval (only counting votes of voting members).

b. 50% of voters required for a valid ballot.

# 5.0xx - Motion

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- Approve sending P802.1CBdb D2.0 to Standards Association ballot
- Confirm the CSD for P802.1CBdb in <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0090-00-ACSD-802-1cbdb.pdf>
- In the WG, Proposed: János Farkas    Second: Jessy Rouyer
  - Sending draft (y/n/a): 50, 2, 6
  - CSD (y/n/a): 50, 2, 6
- In EC, mover: Glenn Parsons,    Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

# Supporting information P802.1CBdb

- P802.1CBdb D1.5 had 100% approval at the end of the last WG ballot
- WG ballot closed: 1 July 2021
- All WG ballot requirements are met
- The ballot resulted in
  - 0 Disapprove votes
  - 0 comments
- Ballot results available here:  
<https://www.ieee802.org/1/files/private/db-drafts/d1/802-1CBdb-d1-5-dis-v01.pdf>

## Ballot results:

CATEGORY	All respondents	
	TOTAL	%
Yes	48	100.0
No	0	0.0
Voting Yes or No	48	78.7
Abs. Time	3	4.9
Abs. Expertise	10	16.4
Abs. Other	0	0
Respondents	61	85.9
Voting members	71	
Non-voting commenters	0	
No. of commenters	0	
No. of comments	0	

## 5.0xx - Motion

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- Approve sending P802.1AS-2020/Cor1 D3.0 to Standards Association ballot
- [Maintenance PAR, no CSD]
- In the WG, Proposed: Paul Congdon Second: János Farkas  
Sending draft (y/n/a): 50, 2, 5
- In EC, mover: Glenn Parsons, Second: Roger Marks  
(y/n/a): <y>,<n>,<a>

# Supporting information P802.1AS-2020/Cor1

- P802.1AS-2020/Cor1 – Timing and Synchronization for Time Sensitive Applications had 98% Approval, 82% Response
- WG Recirculation ballot closed: 2 June 2021
- All WG ballot requirements are met
- The ballot resulted in
  - 1 outstanding Disapprove vote held over from initial WG ballot
  - 1 outstanding Must Be satisfied comments held over from initial WG ballot
- Comment resolution available here:  
<https://www.ieee802.org/1/files/private/as-2020-cor-1-drafts/d2/802-1AS-2020-Cor1-d2-0-dis.pdf>

CATEGORY	All Respondents	
	TOTAL	%
Yes	58	98.31%
No	1	1.69%
Voting Yes or No	59	93.65%
Abs. Time	1	1.59%
Abs. Expertise	3	4.76%
Abs. Other	0	0.00%
Respondents	63	81.82%
Voting members	77	
Non-voting	0	
No. of commenters	2	3.17%
No. of comments	4	
TR	0	
T	0	
ER	0	
E	4	



# Supporting information P802.1AS-2020/Cor1

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- Voter with outstanding Disapprove votes:
  - Weber, Karl
- The voter is not satisfied with the resolution of his ballot comment #13 against Draft 1.0.

# Supporting information P802.1AS-2020/Cor1

## 'must-be-satisfied' comments of Disapprove vote

Cl 5	SC 5.5	P 19	L 111	# 13
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Weber, Karl

Beckhoff Automation

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

item b) is very general, with restrictions in item f) to j)

*SuggestedRemedy*

exclude at least items f) to j) in item b)

*Response*

*Response Status*    **W**

REJECT. The commenter has a point that item b) refers to all of Clause 11 with the "shall" preceding item (a) applying to it, but then items d) and f) through j) call out specific subclauses of clause 11, also with the "shall" applying. It seems that item b) should be replaced by an item calling out subclauses other than those called out by d) through j).

However, the above is not part of any of the maintenance items that the corrigendum is addressing. The new items added to 5.5 are addressing maintenance item 277, which addresses the fact that CMLDS is not called out in Clause 5. The corrigendum is addressing only those maintenance items that were considered urgent. This is not an urgent item; however, the commenter is encouraged to submit a maintenance item, which can be addressed in a future project.

## 5.0xx - Motion

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- Conditionally approve sending P802.1ACct D2.0 to Standards Association ballot
- Confirm the CSD for P802.1ACct in <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0155-00-ACSD-802-1acct.pdf>
- In the WG, Proposed: Paul Congdon Second: János Farkas  
Sending draft (y/n/a): 48, 1, 9  
CSD (y/n/a): 45, 1, 11
- In EC, mover: Glenn Parsons, Second: Roger Marks  
(y/n/a): <y>,<n>,<a>

# Supporting information P802.1ACct

- P802.1ACct D1.1 had 100% approval at the end of the last WG ballot
- WG Recirculation ballot closed 2 June 2021
- WG ballot passed with minor editorial comments to resolve
- The ballot resulted in
  - 0 outstanding Disapprove votes
  - 0 outstanding Must Be satisfied comments
- Comment resolution available here:  
<https://www.ieee802.org/1/files/private/ct-drafts/d1/802-1ACct-d1-1-dis-v01.pdf>
- A second WG Recirculation ballot P802.1ACct/D1.2 is scheduled to close 26 July 2021
- Comment resolution will be held during Maintenance TG calls starting 5 August
- If necessary, a third recirc will be held in August with comment resolution on calls in Aug/Sept

CATEGORY	All Respondents	
	TOTAL	%
Yes	30	100.00%
No	0	0.00%
Voting Yes or No	30	50.00%
Abs. Time	3	5.00%
Abs. Expertise	27	45.00%
Abs. Other	0	0.00%
Respondents	60	77.92%
Voting members	77	
Non-voting	0	
No. of commenters	2	3.33%
No. of comments	18	
TR	0	
T	0	
ER	0	
E	18	

## 5.0xx - Motion

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- Conditionally approve sending P802.1BA-Rev D2.0 to Standards Association ballot
- [Maintenance PAR, no CSD]
- In the WG, Proposed: Paul Congdon Second: János Farkas  
Sending draft (y/n/a): 54, 3, 3
- In EC, mover: Glenn Parsons, Second: Roger Marks  
(y/n/a): <y>,<n>,<a>

# Supporting information P802.1BA-Rev

- P802.1BA-Rev - Audio Video Bridging (AVB) Systems ballot closed with 93% Approval, 73% Response
- Working Group ballot P802.1BA-Rev/D1.0 closed 25 June 2021
- WG ballot passed with minor editorial comments to resolve
- The ballot resulted in
  - 3 outstanding Disapprove votes
  - 0 outstanding Must Be satisfied comments
- Comment resolution available here:  
<https://www.ieee802.org/1/files/private/ba-rev-drafts/d1/802-1BA-Rev-d1-0-dis-v02.pdf>
- WG recirculation ballot on P802.1BA-Rev/D1.1 expected to start 23 July 2021 and close 9 August 2021 with comment resolution on Maintenance TG calls commencing 12 August 2021
- If needed a second WG recirculation ballot will be scheduled to start prior to 20 August 2021 and close prior to 6 September 2021

CATEGORY	All Respondents	
	TOTAL	%
Yes	43	93.48%
No	3	6.52%
Voting Yes or No	46	83.64%
Abs. Time	0	0.00%
Abs. Expertise	9	16.36%
Abs. Other	0	0.00%
Respondents	55	73.33%
Voting members	75	
Non-voting	0	
No. of commenters	16	29.09%
No. of comments	82	
TR	32	
T	13	
ER	16	
E	21	

# Supporting information P802.1BA-Rev

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- Voters with outstanding Disapprove votes:
  - Christian Boiger
  - Glenn Parsons
  - Karl Weber
- The commenters are satisfied with the resolution of their comments but would like to see the next draft.

# 802.1 Motions

## 2021-07

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### Consent Agenda

Liaisons and external  
communications (ME)



# 7.0xx - Motion

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- Approve submission of the following draft(s) to ISO/IEC JTC1/SC6 for information under the PSDO agreement, once the SA Ballot starts
  - IEEE 802.1CBdb
  - IEEE P802.1CBcv
  - IEEE 802.1ABdh
  - IEEE P802.1AS-2020/Cor 1
  - IEEE P802.1BA-Rev
  - IEEE P802.1ACct
- In the WG, Proposed: Paul Congdon    Second: János Farkas
  - Sending drafts (y/n/a): 57, 1, 0
- In EC, mover: Glenn Parsons    Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

# 7.0xx - Motion

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- Approve <https://www.ieee802.org/1/files/public/docs2021/liaison-response-itu-t-sg11-8021Dwithdrawal-0721-v01.pdf> as communication to ITU-T SG11 on the withdrawal of IEEE Std 802.1D-2004
  - This approval is under LMSC OM “Procedure for public statements to government bodies”
- In the WG, Proposed: Paul Congdon Second: János Farkas
  - (y/n/a): 53, 1, 3
- In EC, mover: Glenn Parsons Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

# 7.0xx - Motion

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- Approve <https://www.ieee802.org/1/files/public/docs2021/liaison-response-SG13-LS205-0721-v01.pdf> as communication to ITU-T SG13 on Liaison response to SG13-LS205, 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: Roger Marks    Second: Jessy Rouyer
  - (y/n/a): 48, 1, 7
- In EC, mover: Glenn Parsons    Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

# 802.1 Motions

## 2021-03

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### Consent Agenda

### Liaisons and external communications (II)

# 7.0xx - Motion

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- Approve <https://www.ieee802.org/1/files/public/docs2021/liaison-response-BBF-strategytobindQcxtolETFalarmmgmtmodel-0721-v01.pdf> as communication to the Broadband Forum, granting the IEEE 802.1 WG chair (or his delegate) editorial license.
- Proposed: Scott Mansfield
- Second: Jessy Rouyer
- In the WG (y/n/a): 53, 1, 4

# 7.0xx - Motion

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- Approve  
<https://www.ieee802.org/1/files/public/docs2021/liaison-response-etsi-ISGmWT-SDNSBIYANG-0721-v01.pdf>  
as communication to ETSI ISG mWT, granting the IEEE 802.1 WG chair (or his delegate) editorial license.
- Proposed: Scott Mansfield
- Second: Jessy Rouyer
- In the WG (y/n/a): 49, 2, 6

# 7.0xx - Motion

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- Approve  
<https://www.ieee802.org/1/files/public/docs2021/liaison-P802-1CQ-draft-sharing-with-IEEE-1722-0721-v01.pdf> as communication to IEEE 1722 and IEEE 1722.1, granting the IEEE 802.1 WG chair (or his delegate) editorial license.
- Proposed: Roger Marks
- Second: János Farkas
- In the WG (y/n/a): 51, 2, 3

# 7.0xx - Motion

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- Approve the blog post on IEEE Std 802.1CM in <http://www.ieee802.org/1/files/public/docs2021/cm-draft-blog-post-0721-v01.pdf>, to be released with editorial changes as deemed necessary.
- Proposed: Jessy Rouyer
- Second: János Farkas
- In the WG (y/n/a): 51, 1, 5



# 802.1 Motions

## 2021-07

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Consent Agenda

Other (ME)

# Motion

- Recognizing that
  - IEEE Std 802.1D-2004 was reaffirmed in 2011
  - The revision PAR that resulted in 802.1Q-2014 indicated that the project was merging IEEE Std 802.1D with IEEE Std 802.1Q in order to create a single bridging standard
  - 802 WGs have been advised to update references from IEEE Std 802.1D to IEEE Std 802.1Q
  - Partner SDOs were sent liaisons in Nov 2020 advising them to update references from IEEE Std 802.1D to IEEE Std 802.1Q
  - Ongoing maintenance of IEEE Std 802.1Q (including MAC bridge functionality) is continuing with its 2020 revision PAR.
- Request that IEEE SA staff modify its database and product listing to indicate that IEEE Std 802.1D-2004 was superseded by IEEE Std 802.1Q-2014.
- In the WG, Proposed: Paul Congdon Second: János Farkas
  - (y/n/a): 54, 2, 3
- In EC, mover: Glenn Parsons Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

# Supporting material - 802.1D

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- All relevant content from .1D is contained in .1Q
  - This was concluded with the [2013 revision PAR](#) for 802.1Q
    - Merged IEEE Std 802.1D with IEEE Std 802.1Q in order to create a single bridging standard
  - [IEEE 802.1Q-2018](#)
  - [IEEE/ISO/IEC 8802-1Q-2020](#)
- Already withdrawn or superseded
  - IEEE 802.1D-1993 – superseded in 1998
  - [ISO/IEC 10038:1993](#) – withdrawn in 1998
  - [IEEE 802.1D-1998](#) – superseded in 2004
  - [ISO/IEC 15802-3:1998](#) – withdrawn in 2019
- Currently administrative withdrawal will happen at the end of 2021
  - [IEEE 802.1D-2004](#)
- Staff recommends to request correction of the SA database to indicate that IEEE Std 802.1D-2004 was superseded by IEEE Std 802.1Q-2014.

# Supporting material - 802.1D

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- Liaisons sent (Nov 2020) suggesting each SDO ensure no adverse effects from withdrawal
- IEEE 802 WGs advised to reference 802.1Q or 802.1AC instead of 802.1D
  - IEEE 802.3 maintenance requests
    - Change references in 802.3-2018 to 802.1Q or 802.1AC
      - [https://www.ieee802.org/3/maint/requests/maint\\_1382.pdf](https://www.ieee802.org/3/maint/requests/maint_1382.pdf)
    - Change references in 802.3.1-2018 to 802.1Q
      - [https://www.ieee802.org/3/maint/requests/maint\\_1383.pdf](https://www.ieee802.org/3/maint/requests/maint_1383.pdf)
  - IEEE 802.11 comment collection (CC35)
    - Change references to 802.1Q or 802.1AC
      - <https://mentor.ieee.org/802.11/dcn/21/11-21-0695-06-000m-revme-cc35-802-1d-comments.xlsx>
  - IEEE 802.15
    - Submit change comments on new amendments to 802.15.3-2016 and 802.15.6-2012

Administrative

# **WG MOTIONS**

# Motion

- 802.1 approves the March 2021 (plenary) and May 2021 (interim) session minutes:
  - <https://www.ieee802.org/1/files/public/minutes/2021-03-minutes-v2.pdf>
  - <https://www.ieee802.org/1/files/public/minutes/2021-05-minutes-v2.pdf>
- Proposed: Jessy Rouyer
- Seconded: János Farkas
- Approved by Acclamation

# Motion

- 802.1 approves to hold an 802.1 electronic interim session January 17-21, 2022
- Proposed: Jessy Rouyer
- Second: Johannes Specht
- In the WG (y/n/a): 58, 1, 0

# Motion

- 802.1 approves to hold an 802.1 interim session May 23-27, 2022 in Santa Fe, New Mexico, USA hosted by Analog Devices, Inc.
- Proposal in:
  - <https://www.ieee802.org/1/files/public/docs2021/admin-woods-May2022-interim-proposal-0721-v01.pdf>
- Proposed: Jordon Woods
- Second: Stephan Kehrer
- In the WG (y/n/a): 49, 3, 7



# Motion – Deferred from March

- 802.1 authorizes the May 2021 Interim to generate PAR and CSD for pre-circulation to the EC for an amendment to IEEE Std 802.1Q to specify pulsed queues.
  - Proposed: Norman Finn
  - Second: Mike Potts
- Motion to table
  - Proposed: Norman Finn
  - Second: Mick Seaman
  - In the WG (y/n/a): 45, 2, 10

Maintenance TG

# **WG MOTIONS**

# Motion

- 802.1 authorizes Silvana Rodrigues, the Editor of P802.1ASdr, IEEE Standard for Local and Metropolitan Area Networks--Timing and Synchronization for Time-Sensitive Applications Amendment: Alternative Terminology, to prepare drafts for and conduct Task Group balloting.
- Proposed: Paul Congdon
- Second: János Farkas
- In the WG (y/n/a): 51, 1, 3

# Motion

- 802.1 authorizes the Maintenance TG to hold electronic meetings to address task group matters and progress resolution of maintenance items documented in the maintenance database (<https://1.ieee802.org/maintenance/database/>).
  - Dates/times to be announced subject to notice of at least 10 days to the [802.1 Minutes email list](#).
- Proposed: Paul Congdon
- Second: Jessy Rouyer
- Approved by Acclamation

Security TG

# **WG MOTIONS**

# MOTION

- Authorize the Security Task Group to hold electronic meetings to progress P802.1AEdk and task group matters arising:
  - Dates/times to be announced subject to notice of at least 10 days to the [802.1 Minutes email list](#)
- Proposed: Mick Seaman
- Second: Karen Randall
- Approved by Acclamation

TSN TG

# **WG MOTIONS**

# Motion

- 802.1 authorizes Marc Holness, the Editor of P802f – YANG Data Model for EtherTypes, to prepare drafts for and conduct Working Group balloting.
- Proposed: János Farkas
- Second: Jessy Rouyer
- In the WG (y/n/a): 56, 0, 1



# Motion

- 802.1 authorizes Hiroki Nakano, the Editor of P802.1Qdq Standard for Local and Metropolitan Area Networks: Bridges and Bridged Networks — Amendment: Shaper Parameter Settings for Bursty Traffic Requiring Bounded Latency to prepare drafts for and conduct Task Group balloting.
- Proposed: János Farkas
- Second: Nader Zein
- In the WG (y/n/a): 48, 2, 5

# Motion

- 802.1 authorizes the September 2021 interim session to generate PAR and CSD for pre-circulation to the EC for an amendment to IEEE Std 802.1AS to add support for 10BASE-T1S.
- Proposed: Don Pannell
- Second: Max Turner
- In the WG (y/n/a): 42, 4, 7

# Motion

- 802.1 authorizes the September 2021 interim session to generate PAR and CSD for pre-circulation to the EC for an amendment to IEEE Std 802.1Q to specify a mechanism for PFC headroom measurement and calculation.
- Proposed: Lily Lv
- Second: Paul Congdon
- Motion to table
  - Proposed: Lily Lv
  - Second: Ludwig Winkel
  - Approved by Acclamation

# Motion

- 802.1 authorizes the TSN Task Group to hold electronic meetings weekly on Mondays 11:00-13:00 ET starting July 26, 2021.
- Agenda will be announced on the [802.1 Minutes email list](#) at least 5 calendar days before the electronic meeting.
- Access information is posted on the <http://www.ieee802.org/1/tsn> page and will be updated as necessary.
- Proposed: János Farkas
- Second: Jessy Rouyer
- Approved by Acclamation

# Motion

- 802.1 authorizes the TSN Task Group to hold additional electronic meetings as needed to progress the projects of the Task Group.
- Dates, times, and agenda to be announced subject to notice of at least 10 calendar days at the [802.1 Minutes email reflector](#).
- Access information is posted on the <http://www.ieee802.org/1/tsn> page and will be updated as necessary.
- Proposed: János Farkas
- Second: Jessy Rouyer
- Approved by Acclamation

# Motion

- 802.1 authorizes the TSN Task Group to hold weekly electronic meetings together with IEC 65C/WG18 to progress the work of the IEC/IEEE 60802 Joint Project on Mondays 9:00-11:00 ET starting July 26, 2021.
- Agenda will be announced on the [802.1 Minutes email list](#) at least 5 calendar days before the electronic meeting.
- Access information is posted on the <http://www.ieee802.org/1/tsn> page and will be updated as necessary.
- Proposed: János Farkas
- Second: Ludwig Winkel
- Approved by Acclamation

# Motion

- 802.1 authorizes the TSN Task Group to hold ad hoc electronic meetings together with IEC 65C/WG18 to develop System specification to progress the work of the IEC/IEEE 60802 Joint Project on Fridays 9:00-11:00 ET starting July 23, 2021.
- Agenda will be announced on the [802.1 Minutes email list](#) at least 5 calendar days before the electronic meeting.
- Access information is posted on the <http://www.ieee802.org/1/tsn> page and will be updated as necessary.
- Proposed: János Farkas
- Second: Ludwig Winkel
- Approved by Acclamation

# Motion

- 802.1 authorizes the TSN Task Group to hold weekly electronic meetings to progress the P802.1DG project on Tuesdays 9:00-11:00 ET starting July 27, 2021.
- Agenda will be announced on the [802.1 Minutes email list](#) at least 5 calendar days before the electronic meeting.
- Access information is posted on the <http://www.ieee802.org/1/tsn> page and will be updated as necessary.
- Proposed: János Farkas
- Second: Max Turner
- Approved by Acclamation



# Motion

- 802.1 authorizes the TSN Task Group to hold bi-weekly electronic meetings together with SAE AS6675 to progress the work of the P802.1DP / SAE AS6675 Joint Project on Wednesdays 10:00-12:00 ET starting August 4, 2021.
- Agenda will be announced on the [802.1 Minutes email list](#) at least 5 calendar days before the electronic meeting.
- Access information is posted on the <http://www.ieee802.org/1/tsn> page and will be updated as necessary.
- Proposed: János Farkas
- Second: Max Turner
- Approved by Acclamation

Nendica

# **WG MOTIONS**

# Motion

- 802.1 authorizes Nendica to hold weekly electronic meetings each Thursday 09:00-11:00 ET starting July 22, 2021.
  - Agenda to be announced subject to notice of at least 5 calendar days at the [802.1 Minutes email reflector](#).
  - Access and agenda information are provided on the calendar at <https://1.ieee802.org/802-nendica/>.
- Proposed: Paul Congdon
- Second: Roger Marks
- Approved by Acclamation

# Motion

- 802.1 authorizes Nendica to hold additional meetings as announced at least 10 days in advance.
  - Dates, times and agenda to be announced subject to notice of at least 10 days to the [802.1 Minutes email list](#)
  - Access and agenda information are provided on the calendar at <https://1.ieee802.org/802-nendica/>.
- Proposed: Paul Congdon
- Second: Roger Marks
- Approved by Acclamation

YANGsters

# **WG MOTIONS**

# Motion

- 802.1 authorizes weekly electronic meetings for the YANGsters subgroup on Tuesdays 10:00-11:00 ET starting with July 27, 2021.
  - Agenda will be announced on the [802.1 Minutes email reflector](#) at least 5 calendar days before the electronic meeting.
  - Access information is posted on the <https://1.ieee802.org/yangsters/yangsters-call-information/> page and will be updated as necessary.
- Proposed: Scott Mansfield
- Second: Jessy Rouyer
- Approved by Acclamation

Any other business?