IEEE 802.1

Opening Plenary
July 2022

Glenn Parsons – IEEE 802.1 WG Chair

glenn.parsons@ericsson.com

802.1 plenary agenda

Monday, July 11th opening

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

Thursday, July 14th closing

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

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"
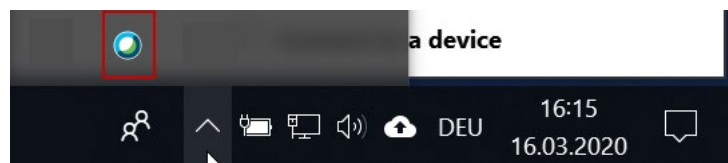
Please provide your information

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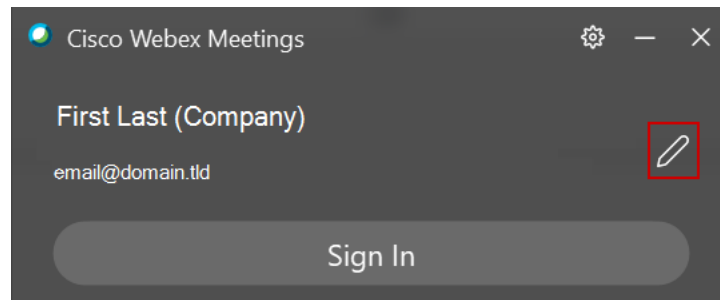
Changing your data in Webex

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

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(*) May need to Exit Webex via the cog wheel and restart the desktop Webex app to see the pencil icon. May also need to log in as guest.[3]

JULY 2022 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

- Red badge vs Green badge

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

The chair runs the meeting

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

All presenters present via WebEx

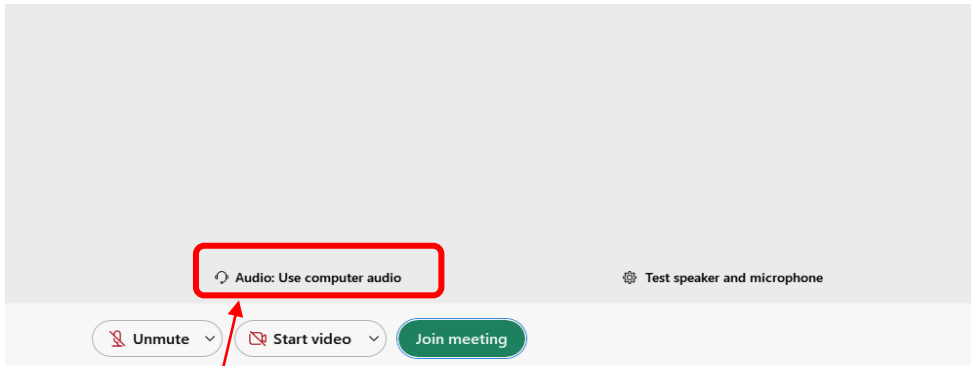**If you are in-person, you may join WebEx to**

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

If you are in-person and join WebEx
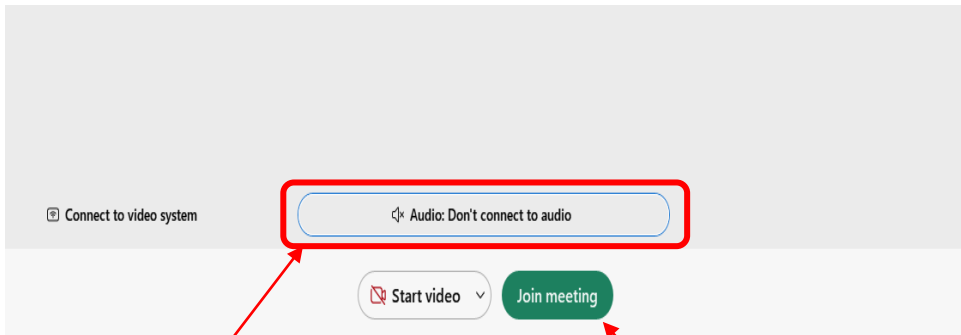
- **DO NOT connect to the audio**
- After you **accept** the IEEE SA terms
- Before you **click join meeting**
- Change your audio:

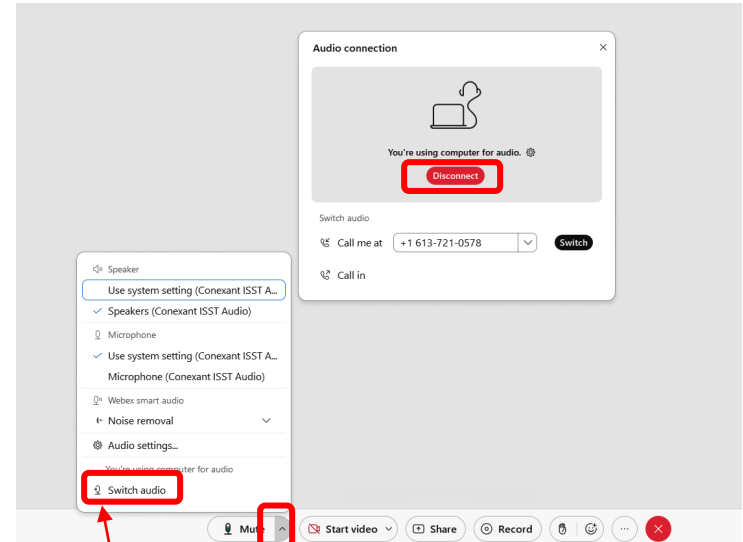🔇 Audio: Don't connect to audio

YET TO JOIN

Select: "**Audio Use Computer Audio**"

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

Once completed:
join meeting

ALREADY JOINED

Click on: ^
Select: "**Switch audio**"
Select "**Disconnect**"

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

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IEEE SA COPYRIGHT POLICY

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

- Previously Published material (copyright assertion indicated) shall not be presented/submitted to the Working Group nor incorporated into a Working Group draft unless permission is granted.

- Prior to presentation or submission, you shall notify the Working Group Chair of previously Published material and should assist the Chair in obtaining copyright permission acceptable to IEEE SA.

- For material that is not previously Published, IEEE is automatically granted a license to use any material that is presented or submitted.

IEEE SA COPYRIGHT POLICY

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

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

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

- IEEE SA Copyright FAQs
  - http://standards.ieee.org/faqs/copyrights.html/
- IEEE SA Best Practices for IEEE Standards Development
  - http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf

- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
  - https://standards.ieee.org/about/policies/opman/sect6.html

INSTRUCTIONS FOR THE WG CHAIR

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

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

- It is recommended that the WG Chair review the guidance in *IEEE SA Standards Board Operations Manual* 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

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

PARTICIPANTS HAVE A DUTY TO INFORM THE IEEE

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

- **Participants <u>should</u> inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims**

Early identification of holders of potential Essential Patent Claims is encouraged

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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

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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

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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

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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

Approved by SASB in June 2019

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

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

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

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

Approved by SASB in June 2019

IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints

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

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

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

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" http://www.ieee802.org/1/files/public/templates/admin-TG-intro-0721-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" http://www.ieee802.org/1/files/public/templates/admin-prePAR-intro-0721-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)

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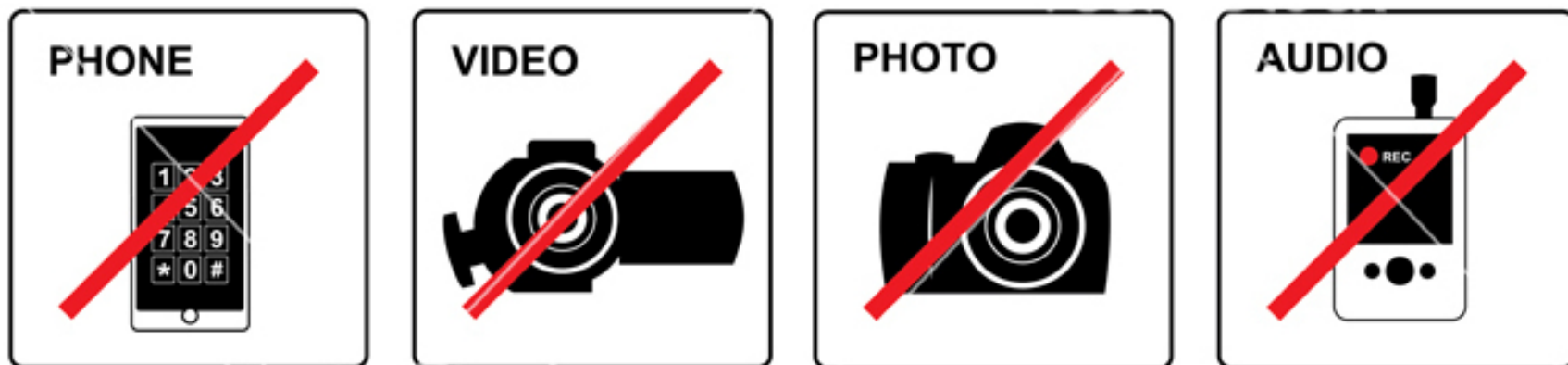
- **Press (i.e., anyone reporting publicly on this meeting) are to announce their presence** *(5.3.3.3 of SASB Operations Manual)*

- **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.**

Plenary Registration Fee

- Attendance at any meeting held during or as part of the July 2022 Plenary Session requires registering and paying the appropriate fee
  - Early $US500.00 until May 20, 2022
  - Standard $US700.00 until June 24, 2022
  - Late/Onsite $US900.00 after June 24, 2022
- Registration details http://802world.org/plenary/

food logistics

Light Breakfast

    7:30 AM - 8:30 AM

AM Coffee and Tea

    10:00 AM - 11:00 AM

PM Coffee and Tea and Snacks

    3:00 PM - 4:00 PM

Monday – Thursday:

    Served in the Ballroom Foyer,

    Level 4

Cafe Bar, Lobby Level

    Monday – Thursday 11:30am to 1:30pm.

    Menu changes daily and includes salads,

sandwiches items fresh off the grill plus more.

Food Court at CIBC Building (Across the Street from the hotel),

    1155 Boulevard René-Lévesque O, B1,.

Food Court located in the VIA Rail train station

    below the Fairmont Queen Elizabeth hotel.

    URL: https://garecentrale.ca/en/halles-de-la-gare

Time Out (Le Centre Montreal), 30 Sainte-Catherine West, Montreal

    https://lecentral.ca/en/

Bar and Restaurant near Bell Centre | Le Centre Sheraton Montreal Hotel (marriott.com)

General Information

- Meeting contributions
  - http://ieee802.org/1/filenaming.html
  - Please upload <mark>24 hours</mark> 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: 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: Johannes Specht
  - 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: Mark Hantel and Hal Keen
- Maintenance of website: Roger Marks

802.1 WG Process

- [IEEE 802 Working Group Policies and Procedures](#)

- [Guidelines](#) available on
  - WG voting membership
  - WG ballots

- "New work" process
  - Currently scheduled in TGs towards the end of session
    - There is limited time for such proposals
    - Does not allow for consensus building
  - Migration towards vetting all new work in Nendica
    - Strong proposals can be directed to the TG/WG to initiate a PAR
    - Proposals needing more consensus can be further developed

Joint Development Procedures

- IEEE/IEC 60802 joint project
  - Guide to IEC/IEEE cooperation
  - IEC/IEEE cooperation on TSN – rev 10

- IEEE P802.1DP/SAE AS6675 joint project
  - IEEE/SAE joint development agreement
  - IEEE/SAE cooperation on TSN – rev 2

Affiliation

- You must declare your affiliation(s) which includes employer(s)
  - Per SASB Bylaws 5.2.1.5 & SASB OpsMan 5.1.2.3
    - Also see https://standards.ieee.org/faqs/affiliation.html
  - In meetings
    - In-person (and current plenary session) meeting registration system
    - myProject system for IMAT attendance, ePoll & myBallot
    - Electronic meeting participant list
    - First time you speak in a session
  - When balloting
    - 802.1 ballot email responses for TG & WG ballots
    - myProject system for SA ballot

- Please keep your affiliation* and employer** information up-to-date

(*) After signing in in myProject > Manage Profile & Interests > Personal & Professional Info > Employer field
(**) After signing in at https://ieee.org > Your Name > Professional and Education Information > "Your employment information" Edit > Employer

Electronic ballots (ePolls)

- [May ePolls](#)
  - 68 - Frankfurt ad hoc
  - 69 - Pittsburgh ad hoc
  - 70 - TSN pre-meeting
  - 71 - TSN post-meeting
  - 72 - CTF meeting

- To progress work items outside an 802.1 plenary session, a series of 10-day electronic ballots using ePoll were conducted
  - https://mentor.ieee.org/802.1/polls

Voting Membership

- Voting membership in 802.1 is a privilege that holds a responsibility to review drafts and vote on WG ballots (including ePolls)
- You must actively request to become a voting member and take on this responsibility
  - Email WG Chair and Recording Secretary
- Ongoing retention of 802.1 voting rights is predicated on active participation
  - Attendance and Working Group ballots (including ePolls)

Responding to WG ballots

- To retain your voting membership, you must return 2 out of the last 3 <u>WG ballot series </u>(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 <u>all</u> your qualifying attendance credit.
  - If you want to become a voting member again, you have to notify the WG Chair and Recording Secretary that you wish to become a voting member again.

The following are 802.1 voting members (78):

Ademaj, Astrit	Gunther, Craig	McCall, David	Steindl, Guenter
Arunarthi, Venkat	Gutierrez, Marina	McMillan, Larry	Stamenic, Nemanja
Assmann, Ralf	Haddock, Stephen	Messenger, John	Traore, Karim
Belliardi, Rudy	Hantel, Mark	Nakano, Hiroki	Turner, Max
Boiger, Christian	Henry, Jerome	Pannell, Donald R	Varga, Balazs
Bottorff, Paul	Holness, Marc	Parsons, Glenn	Venkatesan, Ganesh
Canchi, Radhakrishna	Hopf, Daniel	Petre, Razvan	Wang, Xinyuan
Chen, Feng	Huh, Woojung	Potts, Michael	Wang, Tongtong
Choudhury, Abhijit	Itaya, Satoko	Proell, Dieter	Weber, Karl
Congdon, Paul	Ito, Yoshihiro	Randall, Karen	Wessels, Leon
Cummings, Rodney	Karl, Michael	Riegel, Maximilian	Winkel, Ludwig
Dorr, Josef	Kehrer, Stephan	Rodrigues, Silvana	Woods, Jordon
Elbakoury, Hesham	Kelsey, Randy	Rouyer, Jessy	Yamaura, Takahiro
Engelmann, Anna	Kiessling, Marcel	Sato, Atsushi	Yin, Yue
Enzinger, Thomas	Lai, Gavin	Schewe, Frank	Zeier, Uwe
Farkas, Janos	Lopes, Joao	Seaman, Michael	Zein, Nader
Fedyk, Donald	Lv, Lily	Seewald, Maik	Zhao, William
Finn, Norman	Mangin, Christophe	Sivakolundu, Ramesh	Zinner, Helge
Garner, Geoffrey	Mansfield, Scott	Specht, Johannes	
Gopal, Amrit	Mater, Olaf	Stanica, Marius	

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

Bao, Huajie

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

Ananda, Narasimha   Markwart, Christian
Bierschenk, Jens   Meisinger, Andreas
Gravel, Mark
Klamser, Oliver

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

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

Engelmann, Anna
Gopal, Amrit
Lv, Lily
Petre, Razvan

Venkatesan, Ganesh
Yin, Yue
Zeier, Uwe

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.

Ad hocs overview

- 60802 D.14 ad hoc
  - June 13-15
  - Frankfurt, DE
  - Logistics
- 60802 editor's ad hoc
  - June 16-17
  - Paris, FR
  - Logistics

- P802.1DP ad hoc with SAE AS-1A
  - May 24-25
  - Pittsburgh, PA, USA
  - SAE logistics

60802 ad hoc meeting report 2022-06-13 to15 - Frankfurt

- Attendees 23 (3 by call as they didn't got travel approval; 1 part time)
- >10 presentations (contributions for 60802 D1.4; status report; Annex Z; etc.)
- Break out sessions on Time-Synch.
- Very productive meeting
- Group refined the contributions going into D1.4
- The editor got all the input for D1.4
- The management ad hoc in Paris on 2022-06-16 with editor, chair and IEC 65C secretary went also productive, so that the 2nd day wasn't needed.
- With all the input, Editor prepared D1.4 for TG ballot from June 27 to July 11

September 2022 interim

- Electronic interim – Sept 12-16

- Given
  - This week's hybrid meeting experience
  - Host facilities support hybrid
- Reconsider hosting offer from GE?

September 2022 interim – GE offer

- General Electric (proposal)
- Registration fee
  - Estimated to be 500 USD
- In-Person only
  - GE Research center, Albany, NY, USA
  - Hybrid or remote observers supported
- Date
  - Sept 12-16, 2022

May 2023 interim

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

- Registration fee

  – Estimated to be around 500-600 EUR

- In-Person only

  – Radisson Blu Royal Hotel, Helsinki, Finland

  – Hybrid or remote observers not supported

- Date

  – May 15-19, 2023

Motion possible but can be postponed

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 17-21, 2022
- May 23-27, 2022
  - Santa Fe, NM, USA hosted by Analog Devices

Changed to electronic due to COVID-19

- September 2022
  - Electronic meeting
- January 2023
- May 2023 (proposals for Helsinki, Finland)

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
  - Hilton Orlando Lake Buena Vista

Cancelled or changed to electronic due to COVID-19

- July 10-15, 2022 – Montreal, QC, Canada
  - Sheraton Le Centre Montreal
- November 13-18, 2022 – Bangkok, Thailand
  - Marriott Marquis Queen's Park

Future sessions decision dates

- Plenary sessions
  - November 13-18, 2022 – Bangkok Thailand
    - **Latest decision date to avoid penalty:** July 15 2022

- Interim sessions
  - January & September 2023
    - Currently no offer to host – volunteers?

Straw polls for closing

1. If the 2022 November Plenary Session is held in Bangkok, Thailand as an in-person only session, will you attend?

- Yes/No

2. If the 2022 November Plenary Session is held in Bangkok, Thailand as a mixed-mode session, will you attend:

- Attend In-person
- Attend Virtually (remotely)
- Will not attend plenary

LMSC schedule
EC/WG/TAG meetings for the plenary

http://schedule.802world.com/

Schedule

IEEE 802 Plenary July 10-15, 2022

All Working Groups ▾

Sunday 2022-07-10

Monday 2022-07-11

07:00-08:00	1 - Hybrid Orientation Joyce/Jarry - LA
08:00-10:00	1 - Trk 1: TSN Joyce/Jarry - LA
10:30-12:30	1 - Opening Plenary Joyce/Jarry - LA
13:30-18:00	1 - Trk 1: TSN Joyce/Jarry - LA

Meeting logistics available on 802 calendar
https://www.ieee802.org/802tele_calendar.html

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802 EC report – Plenary Session #130

- March 2024 – Paul Nikolich will not run for IEEE 802 chair
  - The 802 chair also appoints several EC positions
  - Anyone can be nominated.   Interested? Contact Paul.
- IEEE Xprize – [Energizing the Future](#)
  - Sustainable creation of 1,000 kWh for 10 days with $4.5M prize
- IEEE 2050 strategic plan – led by IEEE Technical Activities Board
- Leadership workshop ([EC-22-95](#))
  - Strategic planning for IEEE 802 – no technical discussions
- 802 Rules update ([EC-22-135](#))
  - Correct majority vs ¾ voting mistake
  - Draft sharing within 802 allowed with a new "Important Notice" section without
- Future Venues (EC-22-137)
  - Future in person venues contracted into 2027, new venues on hold
- Treasurer ([EC-22-134](#))
  - 2022 surplus projected at $200k to restore reserves to ~$1M

Mission and Purpose of the IEEE 802 LAN/MAN Standards Committee

IEEE 802 develops and maintain standards specifying data link and physical layer protocols to support packet transmission and delivery among network-layer clients.

For approval at July 15 EC

EC Workshop

- Strategy discussion
  - 802 WGs
  - Process issues
- Sat, July 16
- Open to all

START	Duration	EVENT
	Minutes	
9:00 AM	15	Meeting Introduction
9:15 AM	15	Scope and objectives (of workshop)
9:30 AM	45	802 Architecture and technical coherence
10:15 AM	15	Coffee Break
10:30 AM	30	Future organization of 802 – one SDG or multiple SDGs
11:00 AM	45	Improving technical exposure and collaboration between WGs
11:45 AM	30	Mid-Day feedback: Hybrid experience
12:15 PM	60	Lunch Buffet
1:15 PM	45	Hybrid experience feedback (cont)
2:00 PM	60	Future meeting structure: review of 2020-21 experience:
3:00 PM	15	Coffee Break
3:15 PM	60	Discussion and Review
4:15 PM	30	Outline of Workshop Report – and follow up
4:45 PM	15	Wrap-up
5:00 PM		Adjournment

IEEE SA Staff supporting IEEE 802

- Jonathan Goldberg- IEEE 802 in-person lead
- Jodi Haasz – IEEE 802 lead (remote)
- Christian Orlando – IEEE 802.1 program manager
- Vanessa Lalitte - IEEE SA program manager
- Michelle Turner – Editor (remote)
- Catherine Berger – Editor (remote)
- Christie Bahn – IEEE 802 program manager (remote)

IEEE 802 program status

- IEEE 802 Publication Report
https://mentor.ieee.org/802-ec/dcn/22/ec-22-0131-00-00SA-ieee-802-publication-report-july-2022.pdf

- IEEE 802 EC Solutions_Report
https://mentor.ieee.org/802-ec/dcn/22/ec-22-0132-00-00SA-ieee-802-ec-solutions-report-july-2022.pdf

- IEEE 802 Active Standards Report
https://mentor.ieee.org/802-ec/dcn/22/ec-22-0126-00-00SA-ieee-802-active-standards-report-17-june-2022.pdf

- IEEE 802 Active PAR Report
https://mentor.ieee.org/802-ec/dcn/22/ec-22-0125-00-00SA-ieee-802-active-par-report-17-june-2022.pdf

straw poll

– If you will be at one of the three meetings on Friday (802 EC Closing Plenary, the 802.11 Closing Plenary or the 802.1 " IEC/IEEE 60802" meeting) will you participate (eat/drink) :

- With breakfast? - 38
- with the AM Break? - 39
- with the PM Break? - 27

Public Review

- Since July 2015, all eligible projects where a SA ballot is initiated also have a Public Review period initiated simultaneously.
  - https://publicreview.standards.ieee.org
  - For process questions see **FAQ**
- Status
  - No comments yet
  - No current public review

802.1 PARs this session

- 60802 - Standard - Time-Sensitive Networking Profile for Industrial Automation
  - PAR, CSD, and PAR Extension
- 802.1Qdv - Amendment: Enhancements to Cyclic Queuing and Forwarding
  - PAR and CSD
- 802.1Qdw - Amendment: Source Flow Control
  - PAR and CSD
- 802.1CQ - Standard - Multicast and Local Address Assignment
  - PAR Extension
- 802.1DC - Standard - Quality of Service Provision by Network Systems
  - PAR Extension
- 802.1Qcz - Amendment: Congestion Isolation
  - PAR Extension
- 802.1Qdd - Amendment: Resource Allocation Protocol
  - PAR Extension

Normal session process

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

Other 802 PARs this session

- 802.3 Industry Connections - New Ethernet Applications, [Endorsement Letter & ICAID](#)
  - No 802.1 comments
- 802.15.4 - Standard for Low Rate Wireless Networks, Revision [PAR](#)
  - No 802.1 comments

Technical Plenary

- The [802 Technical Plenary](#) is a vehicle for addressing specific **technical** topics across all 802.
  - E.g., awareness for the revision of IEEE Std 802
- Next meeting
  - July 11 – 6-8pm

  - Agenda
    - P802 REVc – process plan
    - IEEE 802 WG architecture – 802.1, 802.3, 802.11 & 802.15

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

- Liaison from **BBF**: [LS](#) use of the IEEE 802.1X YANG model in BBF-specified Access Nodes [Security or YANGsters]

- Liaison from **ISO/IEC JTC1 SC6**: [Reports](#) on Preliminary Work Item Deterministic Wireless Industrial Network (DWIN) [TSN, TSN/60802, and IEEE 802 JTC1 SC]

- Liaison from **ISO/IEC JTC1 SC6**: Ballot comments on IEEE Std 802.1ACct-2021 and IEEE Std 802.1BA-2021 [Maintenance]

- Liaison from January 2022
  - **ITU-T SG15**: [LS 351](#) OTNT Std Work Plan Issue 30 [Maintenance]

IETF coordination

- **LMSC IETF SC** – no meeting this plenary

- **IAB/IESG/IEEE 802 coordination** – Jun 21 (**EC-22-144**)
  - Item 5. Enabling use of Local Addresses for virtualization and IoT
    - RFC 7042 update started
  - Item 25. Layer 2/Layer 3 Interaction for Time-Sensitive Traffic
    - TSN and DetNet well coordinated with joint participation
  - Item 27. Development of YANG models in the IEEE 802
    - 802.1AX YANG desired by IETF
    - P802f sharing with NetMOD
    - Keystore coordination
  - Item 33. Capability Discovery
    - 802.1ABdh-2021 published, IETF drafts have not progressed
  - Item 35. MAC Address Device Identification for Network and Application Services
    - draft-ietf-madinas-use-cases

Promotion

- IEEE SA marketing collateral
  - TSN automotive, TSN industrial
  - TSN logo
- Issue press releases, call for participation or blog posts
  - TSN feature topic – IEEE Communications Standards Magazine
- Tutorial
  - TSN tutorial proposed for development and release in early 2023
  - TSN webinars
    - 802.1 – Sept 16 , TSN toolset – Dec 2, 802.1AS – Feb 24, AVB – Jun 9, Fronthaul - Sept 8
    - Next: Industrial Automation, Automotive, Aerospace
- Industry Events
  - TSN/A – 29-30 September 2021 and 28-29 September 2022
  - IEEE-SA Ethernet & IP - Automotive Technology Day – 3-4 Nov 2021

802.1 Public Visibility Messaging

- **Coordinating with IEEE 802 Public Visibility Standing Committee**
  - Chair: John D'Ambrosia
  - 802.1 coordinator: Roger Marks
  - Status – Twitter, LinkedIn followers up
- **Maintaining web page**
  - https://1.ieee802.org/visibility/
  - tracking topics and status
  - drafting tweets for John D'Ambrosia
  - new topics welcome

IEEE Awards

Nominate a colleague!

- Emerging Technology Award - for the initiation, advancement or progression of a new technology through the IEEE SA open consensus process
- 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

802.1 Award Reception

- Monday, July 11th at 8pm - Room 716
- All in-person 802.1 participants

- Delayed celebration for 2020 IEEE SA Emerging Technology Award

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	D1.4	WG ballot	Dec '23
802.1CQ	Multicast and Local Address Protocol	TG Ballot	TG Ballot	D0.7	PAR extension	Dec '22
802.1ABcu	LLDP YANG	RevCom	Published - Apr 13	D2.3		Dec '21
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	PAR Extension	WG ballot	D1.4	SA Ballot conditional	Dec '23
802.1Qcz	Congestion Isolation	SA Ballot	SA Ballot	D2.2	PAR extension	Dec '22
60802 (DA)	TSN Profile for Industrial Automation	TG Ballot	TG Ballot	D1.3	PAR extension & modify	Dec '22
802.1CBdb	FRER (CBcv) extensions	RevCom	Published - Mar 23	D2.1		Dec '22
802.1DC	QOS provision by network systems	WG Ballot	TG Ballot	D1.2	PAR extension	Dec '22
802.1Qdd	Resource Allocation Protocol	TG Ballot	TG Ballot	D0.6	PAR extension	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	D1.4	TG ballot	Dec '23
802.1ABdh	LLDPv2	RevCom	Published - Apr 19	D2.1		Dec '23
802.1Qdj	TSN Configuration Enhancements	TG ballot	TG ballot	D0.3	TG ballot	Dec '23
802.1AEdk	MAC Privacy protection	WG Ballot	WG Ballot	D2.1	SA Ballot	Dec '23
802f	EtherType YANG	WG Ballot	WG Ballot	D1.3	SA Ballot conditional	Dec '23
802.1ASdm	Hot standby	TG Ballot	TG Ballot	D0.5	TG Ballot	Dec '24
802.1Q-REV	Bridges and Bridged Networks	SA Ballot	SA Ballot	D1.2	RevCom	Dec '24
802.1ASdn	Time Synch YANG	TG Ballot	TG Ballot	D0.1	TG Ballot	Dec '24
802.1DP	TSN Profile for Aerospace	TG Ballot	PAR approved		Editor's draft	Dec '24
802.1AS/cor1	Timing and Synchronization corrigendum	RevCom	Published - Apr 28	D4.0		Dec '24
802.1Qdq	Tspec	TG Ballot	PAR approved	D0.1	TG Ballot	Dec '25
802.1ASdr	Inclusive Language	TG Ballot	PAR approved		Editor's draft	Dec '25
802.1ASds	half-duplex support	TG Ballot	PAR approved		Editor's draft	Dec '26
802.1Qdt	PFC MACsec	NesCom	PAR approved		TG Ballot	
802.1DU	Cut-through forwarding	PAR Development	PAR Development		PAR Development ???	
802.1Qdv	Cyclic Queueing and Forwarding	PAR Development	PAR Development		Nescom	
802-rev	O&A	NesCom	PAR approved		WG ballot	
802.1Qdw	Source Flow Control	PAR Development	PAR Development		Nescom	

802.1 plenary session electronic meeting schedule

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

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802.1 Leadership meetings

- Every Thursday – 11:00 ET
  - Since February 2020 to manage current shift to electronic sessions
- Additional leadership – July 12th 12:30 ET
  - Prepare PAR responses, EC consent agenda for July 14th EC meeting
- Editors' meetings
  - 11:00 ET - Thursday after each session (July 21st)
  - Sharing of best practices by editors

Logistics Orientation

- For new attendees:
  - https://1.ieee802.org/orientation/

- DVL
  - If you missed the training
  - Practice the web-based voting tool
    - Access via the "Cast your vote" link on the 802.1 Jul 2022 plenary session page

SBS DirectVoteLive™

Practice Voting

Subgroup agendas

- [Maintenance TG](#)

- [Security TG](#)

- [TSN TG](#)

- [Nendica](#) – Network Enhancements for the Next Decade Industry Connections Activity

- [YANGsters](#)

Maintenance TG Session Plan

- One maintenance TG meeting during the session:
  - July 12, 2022 - 8AM ET
  - Proposed Agenda: https://1.ieee802.org/july-2022-plenary-session-electronic-maintenance-tg-agenda/
    - Review of motions – Paul Congdon
    - 802 PARs Under Consideration – Paul Congdon
    - SC6 Status – Karen Randall
    - Liaison Review and Responses
    - P802-REVc Project Logistics – Paul Congdon
    - P802-REVc/d0.1 draft review and status – James Gilb
    - Existing Maintenance Requests

- Projects and Status
  - P802.1Q-Rev – Revision of 802.1Q-2018.
    - Motion to send to RevCom at this meeting
  - P802.1ASdr – Amendment: Inclusive Terminology
    - Awaiting initial draft
  - P802-REVc – Revision of 802-2014 (roll-up of amendments)
    - Review of draft 0.1 at this meeting. WG balloting to begin after the Plenary meeting

- Outgoing Liaisons needed:
  - Response to ISO/IEC JTC1 SC6 ballot comment on IEEE Std 802.1ACct-2021
  - Response to ISO/IEC JTC1 SC6 ballot comment on IEEE 802.1BA-2021
  - Respond to ITU-T SG15 LS351: OTNT Standardization Work Plan Issue 30

- Maintenance request status – see: https://www.802-1.org/home
  - 1 newly received item
  - 5 technical expert review

Agenda – Security

1. Meeting introduction

2. Approval of agenda

3. P802.1AEdk MACsec Privacy Protection
    - WG Recirculation Ballot comment resolution
    - ➤ **Monday 11 July 14:00-18:00 [Eastern Time]**

4. P802.1Qdt PFC Enhancements
    - Draft development
    - ➤ **Tuesday 12 July 10:30-12:30, Wednesday 12 July 9:00-12:30**

5. P802.1AE MAC Security Maintenance items
    - Identification of items for maintenance
    - ➤ **Wednesday 12 July 13:30-18:00**

4. Liaisons
    - As and if required, potential future liaisons

5. Any Other Business (A.O.B)

6. Future meetings/teleconferences

IEEE 802.1 TSN TG Agenda
IEEE 802 Plenary, July 11-15, 2022

ET Start	ET End	Monday Jul 11	Tuesday Jul 12	Wednesday Jul 13		Thursday Jul 14		Friday Jul 15	PT Start	CEST Start	JST Start
7:00	7:30	Hybrid Orientation							4:00	13:00	21:00
7:30	8:00								4:30	13:30	21:30
8:00	8:30	TSN P802.1ASdm, P802.1Qdj	Maintenance TG	TSN - P802.1DP/AS6675 Offline config. Model, Time sync integrity		TSN - P802.1DG base .1DG profile for CBS/ATS		TSN - IEC/IEEE 60802 Security	5:00	14:00	22:00
8:30	9:00								5:30	14:30	22:30
9:00	9:30								6:00	15:00	23:00
9:30	10:00								6:30	15:30	23:30
10:00	10:30								7:00	16:00	0:00
10:30	11:00	Opening plenary	TSN - P802.1DG 802.1AS vs 1588 as basis?	TSN P802.1Qdv, P802.1Qdw, liaisons, P802.1Qcw	TSN - IEC/IEEE 60802 Comment resolution	TSN overflow, SFC sim. res., Multi-CQF, UNI tspec	TSN - IEC/IEEE 60802 Comment resolution	TSN - IEC/IEEE 60802 Opt. sync model, Sync contribution	7:30	16:30	0:30
11:00	11:30								8:00	17:00	1:00
11:30	12:00								8:30	17:30	1:30
12:00	12:30								9:00	18:00	2:00
12:30	13:00								9:30	18:30	2:30
13:00	13:30							TSN - IEC/IEEE 60802 YANG importance, Comment resolution	10:00	19:00	3:00
13:30	14:00	TSN liaisons, motions,, cut-through, CBS YANG, P802.1Qdj	TSN P802.1Qdd	TSN P802.1Qcw, P802f, P802.1Qcj	TSN - IEC/IEEE 60802 Comment resolution	Closing plenary			10:30	19:30	3:30
14:00	14:30								11:00	20:00	4:00
14:30	15:00								11:30	20:30	4:30
15:00	15:30								12:00	21:00	5:00
15:30	16:00								12:30	21:30	5:30
16:00	16:30	TSN P802f, P802.1Qdj	TSN - IEC/IEEE 60802 Status updates, Sync sim results	TSN P802.1Qcj, P802.1Qdq	TSN - IEC/IEEE 60802 Comment resolution	Closing plenary		TSN - IEC/IEEE 60802 Comment resolution	13:00	22:00	6:00
16:30	17:00								13:30	22:30	6:30
17:00	17:30								14:00	23:00	7:00
17:30	18:00								14:30	23:30	7:30

- TSN TG agenda details are available at: https://1.ieee802.org/2022-07-plenary-tsn-agenda/
- Note that the TSN TG agenda may change, e.g., depending on progress

Nendica Session Preview, July 2022

- Nendica Status Report, July 2022 (draft)
  - https://mentor.ieee.org/802.1/dcn/22/1-22-0033-00.pdf
- Agenda
  - https://1.ieee802.org/802-nendica-plenary-2022-07/
- Tuesday 19:30-21:30 ET
  - Cut-Through Forwarding Study Item
- Thursday 08:00-10:00 ET
  - all Study Item topics, per contribution
  - any new topics, per contribution
  - Future meeting planning
  - Finalize Nendica Status Report
- Jessy Rouyer will chair both meetings

YANGsters Status
July 2022 Plenary

- YANGsters site
  - https://1.ieee802.org/yangsters/
- YANGsters agendas
  - https://1.ieee802.org/category/yangsters-agenda/
- Activities
  - Held 6 regular YANGsters calls since end of March 2022 and one two-hour call during the 802.1 interim in May 2022
  - Instance Data Tooling
  - NACM Study
  - Rebasing based on Qcw after Qrev is published
- Plans (Assuming agreement for more meetings)
  - YANG lifecycle including git process to aid rebasing
  - Q Clause numbers and Titles
- Motion for bi-weekly meetings (every two weeks) to begin 26 July 2022

Any other business?