IEEE 802.1

Opening Plenary
July 2021

Glenn Parsons – IEEE 802.1 WG Chair

glenn.parsons@ericsson.com

802.1 plenary agenda

Monday, July 12th 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 20th 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

INSTRUCTIONS FOR CHAIRS OF STANDARDS DEVELOPMENT ACTIVITIES

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

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

IEEE SA COPYRIGHT POLICY

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

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

IEEE SA COPYRIGHT POLICY

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

INSTRUCTIONS FOR THE WG CHAIR

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

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

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

PARTICIPANTS HAVE A DUTY TO INFORM THE IEEE

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

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

Early identification of holders of potential Essential Patent Claims is encouraged

WAYS TO INFORM IEEE

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

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

OTHER GUIDELINES FOR IEEE WORKING GROUP MEETINGS

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

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

PATENT-RELATED INFORMATION

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

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

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

If you have questions, contact the IEEE SA Standards Board Patent Committee Administrator at patcom@ieee.org

Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct

- All participants in IEEE-SA activities are expected to adhere to the core principles underlying the:
  - IEEE Code of Ethics
  - IEEE Code of Conduct
- The core principles of the IEEE Codes of Ethics & Conduct are to:
  - *Uphold the highest standards of integrity, responsible behavior, and ethical and professional conduct*
  - *Treat people fairly and with respect, to not engage in harassment, discrimination, or retaliation, and to protect people's privacy.*
  - *Avoid injuring others, their property, reputation, or employment by false or malicious action*
- The most recent versions of these Codes are available at http://www.ieee.org/about/corporate/governance

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

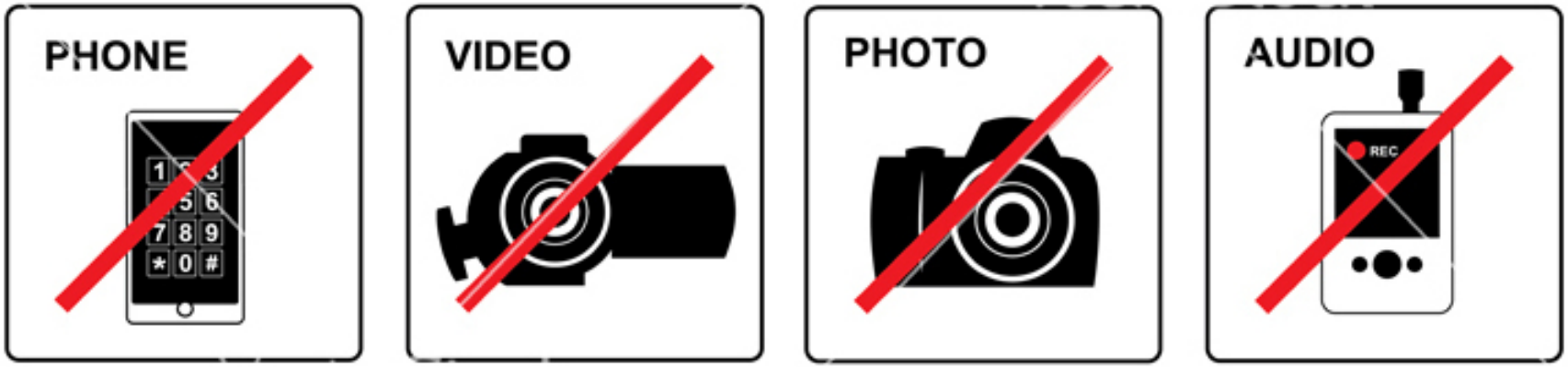
- The IEEE-SA Standards Board Bylaws require that "*participants in the IEEE standards development individual process shall act based on their qualifications and experience"*
- This means participants:
  - **Shall act & vote** based on their personal & independent opinions derived from their expertise, knowledge, and qualifications
  - **Shall not act or vote** based on any obligation to or any direction from any other person or organization, including an employer or client, regardless of any external commitments, agreements, contracts, or orders
  - **Shall not direct** the actions or votes of other participants or retaliate against other participants for fulfilling their responsibility to act & vote based on their personal & independently developed opinions
- By participating in standards activities using the "*individual process*", you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation

Approved by SASB in June 2019

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

- The IEEE-SA Standards Board Bylaws (clause 5.2.1.3) specifies that "*the standards development process shall not be dominated by any single interest category, individual, or organization*"
  - This means no participant may exercise *"authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints"* or "*to hinder the progress of the standards development activity*"
- This rule applies equally to those participating in a standards development project and to that project's leadership group
- Any person who reasonably suspects that dominance is occurring in a standards development project is encouraged to bring the issue to the attention of the Standards Committee or the project's IEEE-SA Program Manager

DECORUM

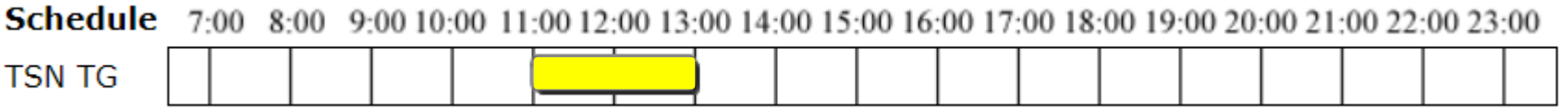


- **Press (i.e., anyone reporting publicly on this meeting) are to announce their presence** *(5.3.3.3 of SASB Operations Manual)*
- **Video/Audio recording by participants is prohibited** *(5.3.3.2 of SASB Operations Manual)*
- **Photography by permission only** *(5.3.3.2 of SASB Ops Manual)*
- **Cell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



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”

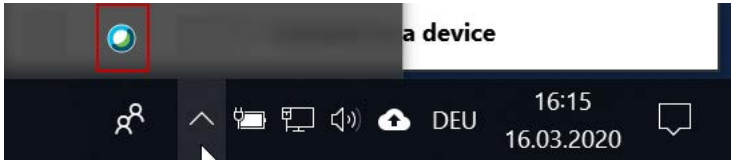
Please provide your information

- 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

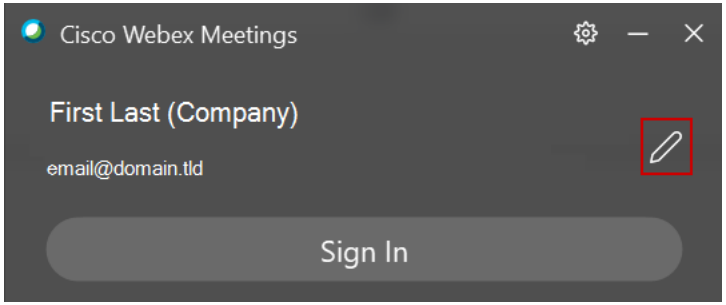
- Go to the "Display hidden icons" arrow in the Windows task bar



- 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



IEEE SA STANDARDS ASSOCIATION

IEEE

(*) 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.

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)

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
- 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: 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 6
    - Editorial update in process

- IEEE P802.1DP/SAE AS6675 joint project
  - IEEE/SAE joint development agreement
  - IEEE/SAE cooperation on TSN
    - Updating initial draft in process

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 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) 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 voter again, you have to notify the WG Chair and Recording Secretary that you wish to become a voter again.

The following are 802.1 voters (75):

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
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
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
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 will become voting members when/if they attend this week:

Lopes, Joao

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

Bierschenk, Jens
Fincher, Scott
Gopal, Amrit
Gravel, Mark
Hasegawa, Akio
Hotta, Yoshifumi
Katsalis, Kostas
Klamser, Oliver
Koto, Hajime
Kondo, Kenji
Markwart, Christian
Petre, Razvan
Sun, Liyang
Yang, Chase

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

Chen, David
Yue, Yin

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

Huh, Woojung

Lai, Gavin

Lv, Lily

Noseworthy, Bob

Traore, Karim

Venkatesan, Ganesh

Wang, Xinyuan

Weber, Karl

Yin, Yue

802.11 Reciprocal credit

- 802.1 voters 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.

- 802.1 attendance credit will not be granted for a voter 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

Cancelled or changed to electronic due to COVID-19

- 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

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 2022, Sante Fe, NM, USA
    - Defer hosting confirmation to November plenary

Straw Polls

- What week do you prefer for the IEEE 802.1 January 2022 Interim Electronic Meeting?
  - January 17 - January 21, 2022
  - January 24 - January 28, 2022
- Will you be able to attend the May 2022 interim meeting if it is held in-person?
  - Yes, No, Don’t Know

802 EC report – Plenary Session #127

Electronic plenary session #4

- Mixed mode meetings (EC-21-157)
  - EC mixed mode adhoc starts July 27th
  - Experiment for closing EC with 802 chair, staff and others at IEEE HQ
- Computer Society SAB
  - Coordinating LMSC and SMSC to differentiate scopes of IEEE/IEC P60802 and P2971/P2972
  - Study Group recommended to be setup to allow joint discussion
- 802 Task Force (EC-21-123)
  - Update on tools project (document management and attendance - replacement of Mentor/IMAT)
- Future Venues (EC-21-90)
  - Vancouver – Nov 2021 (EC-21-153) - Decision deferred to Sept 7th
  - Orlando – Mar 2022 – Decision on Nov 2nd
- Treasurer (EC-21-155)
  - 2021 loss projected at $23k, reserves now $900k ($600k cash, $300k committed)
  - Penalties for cancelled meetings so far = $0 -- Mar 2022 penalty greater than reserves
- SA President Townhall for LMSC (EC-21-156)
  - Proposed for the week of August 9th

LMSC restructuring adhoc

- Restructuring objective – increase efficiency and responsiveness of 802 LMSC
  - Consider more autonomy for WGs and TAGs, while maintaining 802 brand identity, high quality standards and cross group collaboration/coordination
  - Possibly re-charter the 802 Executive Committee
- Monthly meetings
  - Jun 15 – slides & minutes
  - Next: 20Jul, 17Aug, 21Sep, 19Oct, 16Nov, 21Dec
- Focus areas
  - Operational Efficiency (Area for Improvement) -BenR
  - Quality Standards (Maintain Good Performance) GeoffT & ApurvaM - Completed
  - External Influence (Maintain Good Performance) TuncerB
  - Strategic Planning. PaulN
  - Maintain and enhance “technical coherence” and coordination across groups. GlennP, RogerM
  - Hybrid Meeting Evaluation. GeorgeZ
  - Revise 802 Scope. RogerM

LMSC Mission Statement

- For inclusion in the 802 Chair's Guideline
- June Rules proposal (see slide 3)
- Current Proposal for agreement at EC

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

(1) Protocols, developed by Working Groups responsible for medium access control, are specified for transmission of frames within an access domain with sufficient detail to allow multivendor interoperability across the interfaces to the communication medium.

(2) Interoperability is also specified for transmission of frames via a network of such access domains, including bridging.

Supplementary specifications detail related functionality, including control, management, discovery, synchronization, security, channel coexistence, and power distribution. Supporting outputs include future-looking documentation, standards body interactions, and regulatory contributions.

- Several EC comments suggest deleting all but the first sentence
- Final agreement meeting may be scheduled after Plenary

LMSC Architecture

- EC "Technical Coherence" sub ad hoc is discussing how to revise IEEE Std 802
- Discussing value of a detailed specification of the 802 architecture
- Suggestions to clearly document the bounds of the revision in advance
- Study Group is possible, but unlikely before late 2021
  - venue for Study Group and project is unsettled
  - ad hoc notified that Nendica may open a Study Item before then

Straw polls for closing plenary

- When do you expect the next in-person 802.1 session will be?
  - November 2021
  - March 2022
  - May 2022
  - July 2022
  - Sept 2022
  - Nov 2022
  - 2023 or later
- 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/No

802 plenary session meetings

IEEE 802 LMSC July 2021 Plenary Session Overview all times EDT (UTC -4:00)

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	
Opening 802 EC 15:00-17:00											802 restructure ad hoc 13:00-14:00			Closing 802 EC 14:00-18:00
			dot 1 WG plen 9:00-11:00								dot 1 WG plen 9:00-12:00			
			dot 3 WG plen 10:00-12:00			dot 3 WG plen 10:00-12:00							dot 3 WG plen 10:00-12:00	
			dot 11 WG plen 9:00-11:00							CAC 11:15-1:15	dot 11 WG plen 9:00-12:00			
				dot 15 WG plen 9:00-11:00									dot 15 WG plen 9:00-11:00	
						dot 18 TAG plen 15:00-16:00							dot 18 TAG plen 15:00-16:00	
			dot 19 WG plen 16:00-18:00			dot 19 WG plen 16:00-18:00								
										dot 24 TAG plen 16:00-18:00				
				802/JTC1 16:00-19:00								802 PV 15:00-16:00 802/ITU 16:00-17:00	Chair's Open Office 9:00-10:00	

IEEE 802 LMSC July 2021 Plenary Session Overview all times EDT (UTC -4:00)

Meeting logistics available on 802 calendar

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
  - Current public review
    - P802.1ABcu

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
  - Draft 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
  - Draft 802.1 comments

Notable pre-PAR activity (i.e., study groups)

- 802.3 Enhancements to Single Pair Ethernet
  1. Support Time-Sensitive Networking (TSN) P802.3de
  2. Support increasing traffic and speed needs with long reach point-to-point higher-speed single-pair PHYs
- 802.15.6 enhanced dependability
  - SG to work with 802.1 WG for methods combining MAC reliability with deterministic behavior. P802.15.6a

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"

EtherTypes

- Chair requests RA EtherType assignments for standards
  - Form completion has been inconsistent
- IEEE RAC EtherType adhoc is reviewing the public listing
- IEEE 802.1 assignments should be cleaned up
  - Assignee – IEEE 802.1 WG
  - Contact – 802.1 Chair
  - Protocol – protocol name (acronym) as defined in IEEE Std
- Chair will make request to RA administrator

Assignment	REVISED Protocol
22EA	Stream Reservation Protocol (SRP) defined in IEEE Std 802.1Q
88CC	Link Layer Discovery Protocol (LLDP) defined in IEEE Std 802.1AB
8940	Edge Control Protocol (ECP) defined in IEEE Std 802.1Q for use with IEEE Std 802.1BR
88F5	Multiple VLAN Registration Protocol (MVRP) defined in IEEE Std 802.1Q
88B6	Local Experimental EtherType 2 as defined in IEEE Std 802. This EtherType value is available for public use and for prototype and vendor-specific protocol development.
8870	LLC encapsulation as defined by IEEE Std 802.1AC.
8929	Multiple I-SID Registration Protocol (MIRP) as defined in IEEE Std 802.1Q
894B	flow filtering tag (F-TAG) as defined in IEEE Std 802.1Q
88B5	Local Experimental EtherType 1 as defined in IEEE Std 802. This EtherType value is available for public use and for prototype and vendor-specific protocol development.
8952	Distributed Relay Control Protocol (DRCP) as defined in IEEE Std 802.1AX
88A8	Service VLAN Tag (S-TAG) or Backbone VLAN Tag (B-TAG) as defined in IEEE Std 802.1Q
888E	Port Access Entity (PAE) for Ethernet Access Protocol (EAP) over LAN (EAPOL) as defined in IEEE Std 802.1X
22E9	Congestion Notification Tag (CN-TAG) as defined in IEEE Std 802.1Q
22E7	Congestion Notification Message (CNM) as defined in IEEE Std 802.1Q
F1C1	Redundancy tag (R-TAG) as defined in IEEE Std 802.1CB
88B7	OUI Extended EtherType as defined in IEEE Std 802. This EtherType value is available for public use and for prototype and vendor-specific protocol development.
8100	Customer VLAN Tag (C-TAG) as defined in IEEE Std 802.1Q
88F6	Multiple MAC Registration Protocol (MMRP) as defined in IEEE Std 802.1Q
22E2	MAC Status Protocol (MSP) as defined in IEEE Std 802.1Q
893F	Bridge Port Extension tag (E-TAG) as defined in IEEE Std 802.1BR
C9D1	Legacy assignment (use 8870 instead) - LLC encapsulation as defined by IEEE Std 802.1AC-2016.
8902	Connectivity Fault Management (CFM) Protocol Data Unit (PDU) Encapsulation as defined in IEEE 802.1Q
89A2	Congestion Isolation Message (CIM) as defined in IEEE 802.1Qcz amendment to IEEE Std 802.1Q
88E5	Media Access Control (MAC) Security tag as defined in IEEE Std 802.1AE
88E7	Backbone Service Instance Tag (I-TAG) as defined in IEEE Std 802.1Q

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

802.1 Public Visibility Messaging

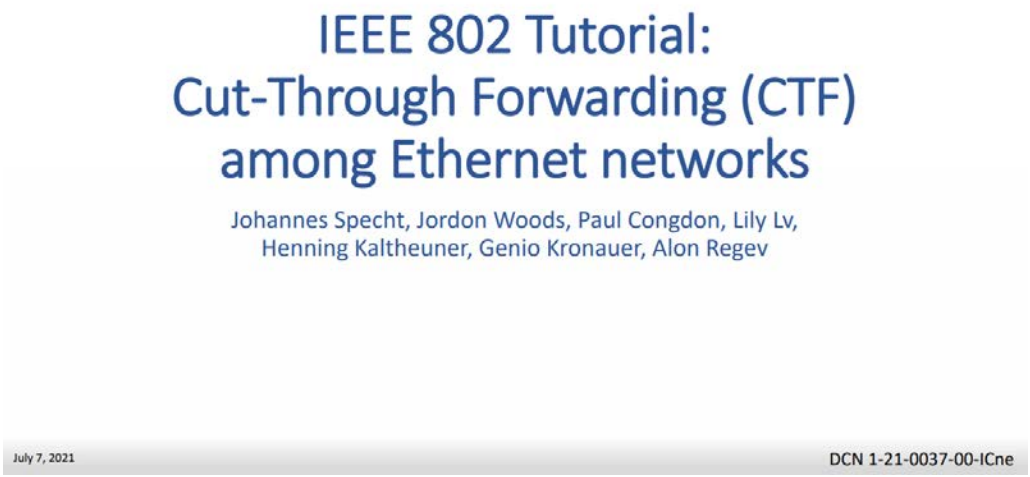
- **Coordinating with IEEE 802 Public Visibility Standing Committee**
  - Chair: John D'Ambrosia
  - 802.1 coordinator: Roger Marks
  - Status – Twitter, LinkedIn followers up
- **Maintaining web page**
  - https://1.ieee802.org/visibility/
  - tracking topics and status
  - drafting tweets for John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

IEEE 802 Public Visibility Standing Committee

- John D'Ambrosia, Chair (jdambrosia@ieee.org)
- Scope - To raise industry awareness in timely fashion of IEEE 802 WG / TAG activities. Develop social media content
- Key Outreach effort – IEEE Educational Activities "Tech Talks"
  - IEEE Educational Activities IEEE 802 Networking Family of Standards
  - 9 topics – approximately 1500 views
  - Recordings - https://innovationatwork.ieee.org/events/techtalk-panel-802/
- Preparations underway to start new series in fall on 802 next Gen Efforts. Volunteers / topics needed.

CTF Tutorial

- 802 plenary tutorial - July 7th
  - Developed by Nendica
  - Over 130 attendees
  - Follow-up at Aug 5th Nendica meeting
  - Recording failed for technical reasons
    - Consulting with staff to re-record and distribute



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

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

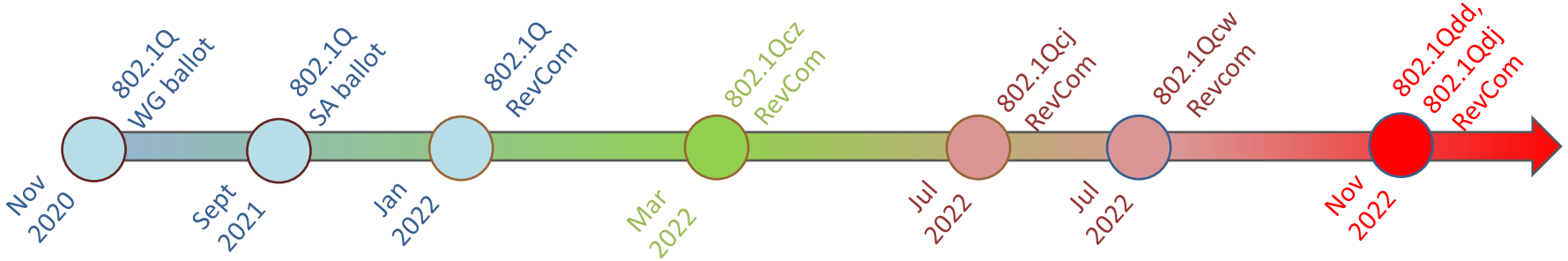
P802.1Qcj
- WG ballot

P802.1Qcw
- WG ballot

P802.1Qdd
- TG 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

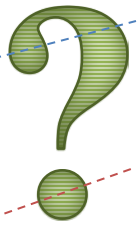
Exceptional

- WG ePoll
- EC monthly meeting motion

- Options before Oct 18th 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 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		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		Mainte-nance		TSN		TSN	YANGsters	Mainte-nance		11:00	20:00	03:00	TSN	Mainte-nance	
14:30	15:00	TSN									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 Management meetings

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

Logistics Orientation

- July 12th 13:30 ET

- Agenda
  - WG structure
  - Participants
  - Documents
  - Schedules & Attendance
  - Agendas & Minutes
  - Voting

Practice Voting

Subgroup agendas

- Maintenance TG
- Security TG
- TSN TG
- Nendica – Network Enhancements for the Next Decade Industry Connections Activity
- YANGsters

Maintenance TG meeting agenda

13th, 16th & 19th July, 2021 – 14:00 ET

- Tuesday , 13th
  - Review Maintenance motions – Paul Congdon
  - Status of 802.1D Withdrawal Actions – Paul Congdon
  - Response to 802 PARs under consideration – Paul Congdon
  - P802.1ASdr Editor's Update – Silvana Rodrigues
  - P802.1BA-Rev/D1.0 Comment Resolution – David McCall
  - P802.1Q-Rev/D0.5 Comment Resolution – Mick Seaman
  - Document Vehicle Status
  - New Maintenance Requests
  - Existing Maintenance Requests to discuss
  - Any Other Business
- Wednesday , 16th
  - SC6 Status – Karen Randall
  - Incoming Liaisons
    - **ITU-T SG2**: LS190 LS response on IEEE Std 802.1D-2004 withdrawal (NR)
    - **ITU-T SG5**: LS219 LS response on use of inclusive language in 3GPP (NR)
    - **ITU-T SG9**: LS141 LS response on IEEE Std 802.1D-2004 withdrawal (NR)
  - Outgoing Liaisons
    - Response to "LS 186: Liaison response on the withdrawal of IEEE Std 802.1D-2004" – Karen Randall
  - P802.1Q-Rev/d0.5 Comment Resolution – Mick Seaman
  - New Maintenance Requests
  - Existing Maintenance Requests to discuss
  - Any Other Business
- Monday, 19th
  - P802.1Q-Rev/d0.5 Comment Resolution – Mick Seaman
  - Any Other Business

Online Detailed Agenda

Agenda – Security TG

1. Meeting introduction
2. Approval of agenda
3. P802.1AEdk MACsec Privacy Protection
   - Task Group ballot (D0.7) resolution & Draft development
   - **Tuesday 11:00-13:00, Thursday 11:00-13:00, Friday 11:00-13:00 [Eastern Time]**
4. A.O.B.
   - Review IETF draft (last call) on YANG model for keystore (references 802.1AR-2009) https://datatracker.ietf.org/doc/draft-ietf-netconf-keystore/
5. Future meetings/teleconferences

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** Contributions, e.g.: Application of ATS	**TSN** Qcz timing, *Comment resolution: P802.1ABcu*	**TSN - IEC/IEEE 60802** Network sizes, Sync reqs	**TSN** 10BASE-T1S -> AS, Config for WTSN, Liaison out *Comment resolution: CBdb, ABcu, ASdm*	**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** PFC headrm, *Comment resolution: P802.1ASdm*	**TSN - IEC/IEEE 60802** VLAN config, CFM, Overflow	**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, Status updates	**TSN - IEC/IEEE 60802** Editor's report, Time sync simulation results	**TSN - P802.1DP** Contributions, e.g.: draft outline		**TSN - IEC/IEEE 60802** Bridged end station, LNI 4.0, Network config entity	**TSN** P802.1Qdd: Editor's update, TSpec types, opt. BMCA & Domain 0 Liaison out		8:30	17:30	0:30	**TSN** P802.1CQ update, multi-domain, overflow, *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	recess		
14:00	14:30			**TSN** P802.1Qdj: Editor's update, UNI of CNC		**TSN** *Comment resolution: P802.1ASdm*			11:00	20:00	3:00	**TSN** overflow, *Comment resolution: P802.1ASdm*		
14:30	15:00	**TSN** liaisons, motions, *Comment resolution: P802.1CBdb, P802.1ASdm*							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			

- 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 Plan

- **Thu 15 July, 09:00-11:00 ET**
- **Detailed agenda:**
  - **https://1.ieee802.org/agenda-nendica-plenary/**
- **Key meeting topics:**
  - **ICAID extension**
    - **respond to comments on proposed ICAID renewal**
    - **comments due 14 July AoE: 2 hours before Nendica meeting**
    - **will seek 802.1 motion at WG Closing Plenary**
  - **Cut-Through Forwarding (CTF) Study Item**
    - **https://1.ieee802.org/nendica-ctf/**
    - **discussion of IEEE 802 tutorial of 8 July**
    - **plan follow-up meeting, 5 August**
  - **Potential new Study Item topics**
    - **proposal on 802 architecture (if time allows)**

YANGsters Agenda
July 2021 802.1 Plenary Session

- Meeting introduction (Templates)
  - Read latest version of admin-prepar-intro slides
  - IMAT
- Approval of agenda
- Introduction to YANGsters
- Review of discussions since last plenary
- Review of YANG issues from recent ballots
- Issues List
  - https://1.ieee802.org/yangsters/yangsters-issue-list/
- Next Calls
- Any Other Business

Any other business?