

# 802.1 Plenary – July 2019

## Vienna, Austria

### Opening Agenda

John Messenger – IEEE 802.1 acting WG Chair  
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# 802.1 plenary agenda

## **Monday opening**

- [Call for Patents](#)
- Participation [guidelines](#)
- Administrative
- Membership status
- Future Meetings
- 802 reports
- Sanity check – current projects
- Incoming Liaisons
- TG agendas

## **Thursday closing**

- [Call for Patents](#)
- Participation [guidelines](#)
- Membership status
- Future Meetings
- 802 reports
- Sanity check – current projects
- TG reports
- Outgoing Liaisons
- Motions for EC
- Motions for 802.1

# 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 WG 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 ... do formally object.

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

# Patent-related information

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

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

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

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

# Task Group Patent policy announcements

- TG Chairs please note:
  - At the start of each TG meeting, TG Chair needs to perform the Call for Patents as per the previous slides.
  - During the rest of the week, please announce each morning that the meeting is subject to the Patent Policy as read and displayed at the opening of the TG meeting.
  - If there are any responses to the call, minute it.
  - Direct attendees to the PatCom website for details of the policy:

<http://standards.ieee.org/board/pat/index.html>

and for the slide set:

<http://standards.ieee.org/board/pat/pat-slideset.ppt>



# Decorum



- ❑ Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (SASB Ops Manual 5.3.3.3)
- ❑ Photography or recording by permission only (SASB Ops Manual 5.3.3.2)
- ❑ Cell phone ringers off please

# Participation in IEEE 802 Meetings

**Participation in any IEEE 802 meeting (Sponsor, Sponsor subgroup, Working Group, Working Group subgroup, etc.) is on an individual basis**

- **Participants in the IEEE standards development individual process shall act based on their qualifications and experience. ([https://standards.ieee.org/develop/policies/bylaws/sb\\_bylaws.pdf](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) section 5.2.1)**
- **IEEE 802 Working Group membership is by individual; “Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives”. (subclause 4.2.1 “Establishment”, of the IEEE 802 LMSC Working Group Policies and Procedures)**
- **Participants have an obligation to act and vote as an individual and not under the direction of any other individual or group. A Participant’s obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.**
- **Participants shall not direct the actions or votes of any other member of an IEEE 802 Working Group or retaliate against any other member for their actions or votes within IEEE 802 Working Group meetings, see [https://standards.ieee.org/develop/policies/bylaws/sb\\_bylaws.pdf](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) section 5.2.1.3 and the IEEE 802 LMSC Working Group Policies and Procedures, subclause 3.4.1 “Chair”, list item x.**

**By participating in IEEE 802 meetings, you accept these requirements. If you do not agree to these policies then you shall not participate.**

(Latest revision of IEEE 802 LMSC Working Group Policies and Procedures: <http://www.ieee802.org/devdocs.shtml>)

# Security issues

- **Please wear your badge** when in the meeting areas of the hotel
- This will help the hotel security 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

# General information on 802.1...

- 802 - Newcomer's Session – Room 0.94/95, Monday 9AM-10AM
- 802.1 Newcomers orientation:
  - <http://www.ieee802.org/1/files/public/docs2018/tsn-farkas-intro-0318-v01.pdf>
- Procedures background :
  - <http://www.ieee802.org/1/files/public/minutes/802-1-general-info-v3.pdf>
- Minutes
  - <https://1.ieee802.org/category/current-and-former-meetings/>
- Meeting contributions
  - <http://ieee802.org/1/filenaming.html>
  - Please upload BEFORE presentation
- Meeting information and attendance:
  - Schedule: <http://schedule.802world.com/>
  - Attendance: <http://imat.ieee.org> (8 of 11 base sessions) (> 75%)

# Logistics

- Food & Beverage Mon-Friday
  - Morning Coffee/Tea: 10:00 AM to 11:00 AM
    - Foyer E and Foyer F, Level 0
  - Lunch 12:00 PM – 1:30 PM
    - Provided Monday to Friday, Main Entrance Hall, Level 0
  - Afternoon Coffee/Tea: 3:00 PM to 4:00 PM
    - Foyer E and Foyer F, level 0
- Friday: need counts for catering:
  - Morning break: 41
  - Lunch: 39
  - Afternoon break: 28
- Social Event
  - There is no social event at this meeting
- Event updates
  - Local server: <http://ieee802.linespeed.io/>
  - Twitter @IEEE802
  - Schedule: <http://schedule.802world.com/>

# 802.1 officers

## □ Officers

- (Chair: Glenn Parsons)
- Vice Chair and acting Chair: John Messenger
- Recording Secretary and acting Vice Chair: Jessy Rouyer
- Security TG Chair: Mick Seaman
- TSN TG Chair: János Farkas
  - TSN TG Vice Chair: Craig Gunther
  - TSN TG Secretary: Marina Gutiérrez
- IEC/IEEE 60802 Joint Project chair: Ludwig Winkel
  - IEC/IEEE 60802 Joint Project secretary: Josef Dorr
- OmniRAN TG Chair (retiring): Max Riegel
- Maintenance TG chair: Paul Congdon
- Nendica chair: Roger Marks
- YANGsters chair: Scott Mansfield
- Maintenance of website: Paul Unbehagen
- Maintenance of Email exploder: Hal Keen & Mark Hantel

## □ Website

- <http://www.ieee802.org/1/>

# OmniRAN is complete

- Thanks to Max Riegel and the OmniRAN participants.
- OmniRAN TG is now closed.
- 802.1CQ has transferred to TSN.

# Responding to WG ballots and E-Polls

- To retain your voting membership, you must return 2 out of the last 3 WG ballots/E-Polls.
- When you return your vote on a TG/WG ballot, you must use the correct mailing list and subject line, as specified in the email instructions.
  - If you do not, the automatic tools will not count your vote.
  - Therefore, DON'T “Reply” to the vote announcement.
- When you lose your vote this way, you lose all your qualifying attendance credit.
  - If you want to become a voter again, you have to notify the chair that you wish to become a voter again.
- Too many people are not following the instructions. 16



# The following are 802.1 voters (54):

ADEMAJ, Astrit  
Assmann, Ralf  
Bierschenk, Jens  
Boiger, Christian  
Bottorff, Paul  
Chen, Feng  
Cheng, Weiying  
Congdon, Paul  
Cummings, Rodney  
Dorr, Josef  
Elbakoury, Hesham  
Enzinger, Thomas  
Farkas, Janos  
Finn, Norman  
Garner, Geoffrey  
Gunther, Craig  
Gutierrez, Marina  
Haddock, Stephen

Hantel, Mark  
Holness, Marc  
Karl, Michael  
Kehrer, Stephan  
KOTO, Hajime  
Mangin, Christophe  
Mansfield, Scott  
Maruhashi, Kenichi  
McMillan, Larry  
Messenger, John  
Mustala, Tero  
Ohsawa, Tomoki  
ohue, hiroshi  
Pannell, Donald R  
Parsons, Glenn  
Potts, Michael  
QIU, WEI  
Randall, Karen

Riegel, Maximilian  
Rouyer, Jessy  
Sato, Atsushi  
Schewe, Frank  
Seaman, Michael  
Seewald, Maik  
Specht, Johannes  
Stanica, Marius  
Steindl, Guenter  
Wang, Xinyuan  
Wang, Tongtong  
Wang, Hao  
Weber, Karl  
Weis, Brian  
Winkel, Ludwig  
Woods, Jordon  
Yamaura, Takahiro  
Zein, Nader

The following have lost their voting membership through lack of qualifying attendance credit:

None

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

Unbehagen, Paul

YU, XIANG

Canchi, Radhakrishna

Chen, David

Itaya, Satoko

The following will become voting members when/if they show up here this week:

Fedyk, Donald

Ito, Yoshihiro

Kelsey, Randy

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

Arokkiam, Jerome	Gravel, Mark	Osagawa, Daisuke
Bechtel, Gordon	Gray, Eric	Osuga, Toru
Belliardi, Rudy	Harima, Taro	Sun, Wenhao
Chang, Xin	Hasegawa, Akio	Tarui, Isao
Chen, Lihao	Hemmer, David	Wamsser, Reiner
Chou, Vincent	Hotta, Yoshifumi	Wood, Graeme
DeLaOlivaDelgado, Antonio	KONDO, Kenji	YU, Yi
Ellegaard, Lars	Kondo, Yoshihisa	Zhang, Jiayi
Fan, Xiaojing	Lawlis, James	Zinner, Helge
Fincher, Scott	Li, Dong	Zuponcic, Steven
Fontaine, Mickael	Myers, Roy	Zweck, Harald
	Ohori, Fumiko	

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

none

# 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 from a voter who attended only 802.11 meetings.

# 802.1 website update

- WordPress on IEEE server
  - <http://1.ieee802.org>
  - Paul Unbehagen is leading
- Phase I – 2017-2019
  - consolidate all current web pages/servers
  - distribute page change control to TG chairs and project editors, but use a common style
  - deploy plugins for calendars, agenda, etc.
- Phase III – 20??
  - move document storage to (new) Mentor



# Future interim meetings

- September 16-20, 2019
  - ADVA Optical Networking hosting in Edinburgh
    - Registration cutoff: July 25<sup>th</sup> – [Register](#) and [book](#) now!
- September 23, 2019
  - TSN interim meeting for 802.1DG hosted by GM in Detroit, prior to [IEEE Ethernet/IP Automotive Tech Day](#)
    - Register by [email](#)
- Jan 20-24, 2020 (workshop Jan 25)
  - Geneva, CH, hosted by 802.3/ITU-T/Nokia
- May 18-22, 2020
  - Ethernet Alliance in North America
- September 21-25, 2020 – Stuttgart proposal

# January 2020 Interim Meeting

## IEEE 802.1 and 802.3

- Hosts: International Telecommunication Union (ITU), IEEE 802.3, Nokia
- Dates: 20-24 January 2020
- Location: ITU Headquarters (Geneva, Switzerland)
- Meeting Fee: None (but you buy your own breakfast, coffee)
- No designated meeting hotel: you are free to use:
  - Any of the ITU negotiated rates:  
<http://www.itu.int/travel/index.html>
  - Your company negotiated hotel deals
  - Your favorite travel website

# Jan 2020:

## Adjacent and Related Meetings

- Joint IEEE 802.1, 802.3 and ITU-T Study Group 15 Workshop Saturday, 25 January 2020. Topics expected to include:
  - High Speed and Long-Reach Optical Interfaces (IEEE P802.3cn, P802.3ct, ITU-T Q6/15, Q11/15)
  - Passive Optical Networking (IEEE P802.3ca, P802.3cp, P802.3cs, ITU-T Q2/15)
  - 5G Mobile Transport (IEEE 802.1CM, ITU-T Q2/15, Q11/15, Q13/15)
  - YANG and data modeling
- ITU-T Study Group 15 Plenary Meeting – 27 January-7 February 2020
- (workshop of January 2018: <https://www.itu.int/en/ITU-T/Workshops-and-Seminars/20180127/Pages/Programme.aspx>)

# Future plenaries

- November 10-15, 2019 – Waikoloa, HI, USA
  - Hilton Waikoloa Village
- 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 (to be confirmed)
- November 14-19, 2021 – Vancouver, Canada
  - Hyatt Regency Vancouver only

# 802 EC report – Plenary #122

- SA staff are available – Tom Thompson is our staff contact this week, Jodi long term
- 802 Task Force (Thurs 10:30-12:30 – Room 0.51)
  - IEEE SA Tools update - Web conferencing
  - Bulk Framemaker licenses
- P&P, OM, WG & CG change proposals
  - Update Standard Committee P&P
  - Update WG P&P
- Venues ([EC-16-66-08](#))
  - No big changes
- Treasurer ([EC-19-116](#))
  - Reserves \$1.2m, rising slowly
  - This meeting: 732 registrations, 724 paid (so far), anticipate \$280k loss.

# myProject status

- Phase I: convert myProject from PERL to Java
  - Greater effort required than anticipated
  - Completion in 2019
  - Planned cutover in September 2019 is uncertain
  - Difficult blackout period of 1 week at unknown date
- Phase II: Feature Enhancement
  - To be incorporated into scheduled maintenance releases
- Phase III: MENTOR and IMAT conversion from PERL
  - Not scheduled or budgeted at this time
  - Exploring options

# EC meetings this week

Sun 19:30-21:30 LMSC Rules review – Room 0.94/0.95

Mon 08:00-10:00 Opening Executive Committee meeting

– Hall N

Tue 13:30-15:30 802/JTC1/SC6 Standing Committee

– Room 0.49 – 0.50

~~Wed 08:00-10:00 802/ITU Standing Committee~~

Thu 07:30-08:00 Next venue space planning – Room 0.51

Thu 08:00-09:00 Future venue planning – Room 0.51

Thu 09:00-10:00 802 Chair's Open Office hour – Room 0.51

Fri 13:00-18:00 closing Executive Committee meeting – Hall N

# IEEE Open Source offering

## □ Summary

- [IEEE Open Source offering](#) (with Contribution License Agreement)
- [CAG update on open source activity](#)
- SASB open source update

## □ IEEE 802 [view](#)

- Maintain option of current process
  - i.e., source code (YANG, MIB, etc) can be developed as part of the standards process
  - [Current process](#) -- **Advocate in SASB**
- Interest with open source for normative/informative use in standards (e.g., YANG, simulations)
  - Possible interest with being part of a trial
  - But there are concerns with the proposed process (e.g., CLA)

## □ Discuss in YANGsters



# Public Review

- Since on 6 July 2015, all eligible projects where a Sponsor ballot is initiated will also have a [Public Review](https://publicreview.standards.ieee.org) period initiated simultaneously.
  - <https://publicreview.standards.ieee.org>
  - Staff will transfer any comments to myBallot
- Status
  - No comments yet
  - Open public review
    - P802.1AX-Rev (closes July 24<sup>th</sup>)
- Questions? [FAQ](#)

# Email ballots (ePoll)

- None

# PARs this week

## □ 802.1 PARs

- 802.1ABdh – Amendment - Support for Multiframe Protocol Data Units, [PAR](#) and [CSD](#)
- 802.1Qdj – Amendment - Configuration Enhancements, [PAR](#) and [CSD](#)
- 802.1Qcj – Amendment - Automatic Attachment to Provider Backbone Bridging (PBB) services, [PAR extension](#)
- P802.1AS-Rev – Timing and Synchronization for Time-Sensitive Applications, [PAR Extension](#)
- P802E – Privacy, [PAR Extension](#)

# PARs this week – 2/2

- Other WG PARs:
  - 802.15.9ma- Standard, Transport of Key Management Protocol (KMP) Datagram, [PAR](#) and [CSD](#)

# 802 Industry Connections

- IEEE 802 Network Enhancements for the Next Decade
  - **NENDICA**
  - Authorized until March 2021
  - This group is being run as a [subgroup](#) of 802.1
  - The chair of this Industry Connections activity is
    - Roger Marks
  - Renewed by SASB on March 21<sup>st</sup>, 2019
- Scope
  - This activity will assess emerging requirements for IEEE 802 based communication infrastructures, identify commonalities, gaps, and trends not currently addressed by IEEE 802 standards and projects, and facilitate building industry consensus towards proposals to initiate new standards development efforts.

# Tutorials - Monday

There are no tutorials

# Liaisons within 802

- Joint meetings
  - Tues 19:30 – 21:30 – 802.1 TSN, 802.11 TGbe
- YANGsters
  - Monday 18:00 – 19:30 – Room 0.94/0.95
- IEEE 802 JTC1 standing committee meetings [report](#)
  - Tuesday 13:30 – 15:30 - Room 0.94/0.95
- IEEE 802 IETF standing committee [report](#)
  - Not meeting this week
    - <https://www.iab.org/activities/joint-activities/iab-ieee-coordination/>
- IEEE 802 ITU standing committee no report
  - Not meeting this week

# Incoming Liaisons

## □ TSN

- [LNI4.0](#) – Liaison establishment with IEC SC 65C/WG9
- [IEEE 1722](#) – Reply to 802.1 liaison on address assignment protocol
- [MEF](#) – Amendment to MEF 22.3 – Transport for 5G Mobile Networks
- [3GPP SA2](#) – 5G System support for integration with IEEE TSN networks
- [ITU-T Q13/15](#) – Sync requirements and G.8271.1

## □ YANGSTERS

- [ITU-T Q14/15](#) – Coordination on information and data modelling with comments on 802.1Q (also of interest to TSN)



# Sanity check – current workload

Project	Subject	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1AE/cor1	MAC security corrigendum	PAR approval	PAR approved - May 21		WG ballot	Dec '23
802.1CMde	Enhancements for Fronthaul Interface	TG Ballot	TG Ballot	D0.2	WG ballot	Dec '23
802.1DF	TSN Profile for Service Provider Networks	PAR approval	PAR approved - Feb 8		Editor's draft	Dec '23
802.1DG	TSN Profile for Automotive In-Vehicle Ethernet Com.	TG Ballot	Editor's draft	D0.1	TG ballot	Dec '23
60802 (DA)	TSN Profile for Industrial Automation	TG Ballot	TG Ballot	D1.0	TG ballot	Dec '22
802.1CBcv	FRER YANG & MIB	TG Ballot	PAR Approved		Editor's draft	Dec '22
802.1CBdb	FRER (CBcv) extensions	TG Ballot	TG Ballot	D0.1	TG ballot	Dec '22
802.1DC	QoS provision by network systems	TG Ballot	Editor's draft	D1.0	TG ballot	Dec '22
802.1Qcz	Congestion Isolation	TG Ballot	Editor's draft	D0.1	TG ballot	Dec '22
802.1Qdd	Resource Allocation Protocol	PAR approval	PAR approved - Sep 27		TG ballot	Dec '22
802.1X-REV	Port Access Control	WG ballot	WG ballot	D1.4	Sponsor Ballot	Dec '22
802.1ABcu	LLDP YANG	TG Ballot	TG Ballot	D0.6	WG ballot	Dec '21
802.1ACct	support for 802.15.3	PAR approval	PAR Approved		Editor's draft	Dec '21
802.1CS	LRP	WG ballot	WG ballot	D2.2	PAR modification	Dec '21
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	TG Ballot	TG Ballot	D0.4	WG ballot	Dec '21
802.1Qcx	CFM YANG	WG Ballot	WG Ballot	D1.2	Sponsor Ballot - conditional	Dec '21
802.1AX-REV	Link Aggregation	Sponsor Ballot - cond	Sponsor Ballot	D2.0	RevCom conditional	Dec '20
802.1CQ	Multicast and Local Address Assignment	PAR approval	Editor's draft	D0.2	TG ballot	Dec '20
802.1Qcr	Asynchronous Traffic Shaping	WG ballot	WG ballot	D1.1	WG Ballot recirculation	Dec '20
802.1AS-REV	Time synch enhancements	Sponsor ballot	Sponsor Ballot	D8.0	RevCom conditional, PAR Extension	Dec '19
802.1Qcj	Auto Attach to PBB	WG ballot	WG ballot	D1.0	PAR extension	Dec '19
802E	Privacy	WG ballot	WG ballot	D1.4	PAR Extension, WG Ballot	Dec '19
802.1ABdh	LLDPv2	PAR development	PAR development		PAR approval	
802.1AEdk	MAC Privacy enhancements		PAR development		PAR development	
802.1Qdj	TSN Configuration Enhancements	PAR development	PAR development		PAR approval	

# Promotion

- IEEE-SA marketing collateral
  - [TSN automotive](#), [TSN industrial](#)
  - Others?
- Issue press releases or eBlasts
  - Start of PAR, Final approval
  - Editors are asked to propose...
  - Next: 802.1ABdh (November?)
- Presence at Industry Events
  - IEEE Communications Standards Magazine, June 2018
    - [TSN Feature Topic](#)
    - [Introduction](#) to 7 articles in the feature topic
  - [TSN/A](#) – Bad Homburg, 8-9 October 2019
    - Several presentations and booth
  - ISPCS? – 22-27 September 2019 – Bob Noseworthy

# IEEE-SA Awards

- Standards Medallion
  - For major contributions to standards development, e.g., leadership in standardization of new technologies, achievement of standards development goals, identification of opportunities to better serve the needs of standards users.
- International Award
  - For an individual IEEE and IEEE-SA member who has made an extraordinary contribution to establishing the IEEE-SA as a world-class leader in standardization.
- Emerging Technology Award
  - For an individual, working group, or company that has initiated or advanced a new technology within the IEEE-SA standards development process and has produced a balloted standards document that has market relevance.
- Distinguished Service Award
  - For present and past members of the IEEE-SA Standards Board for meritorious and distinguished service to the IEEE-SA Standards Board and its programs
- Standards Education Award
  - This award is jointly sponsored by the IEEE Educational Activities Board and the IEEE Standards Association. For an individual, company, or organization who has made significant contributions in the area of education about standards.
- Lifetime Achievement Award
  - Presented to an individual whose achievements include:
    - Significant technical contributions to, and an extraordinary career in their field of interest
    - Outstanding service to the IEEE-SA, enabling achievement of its objectives
    - Demonstrated commitment to standards development for at least 15 years

# Standards Project Awards

- Offered to the chairs, Editor and significant contributors after publication
  - New process resulting from GDPR
- Up Next
  - 802.1CM-2018
  - 802.1Q-2018
  - 802.1Qcc-2018
  - 802.1Qcp-2018
  - 802.1AR-2018
  - 802.1Xck-2018
  - 802.1AE-2018
  - 802.1CF-2019
  - 802.1Qcy-2019

# Motions for EC Consent Agenda

- For motions requiring EC action
  - PARs to NesCom
  - Drafts to Sponsor ballot
  - Drafts to RevCom
- EC required supporting material must be sent to the WG chair before the motion is considered
  - Preferably in the motion slides

# Motions for EC Consent Agenda

- [Motion Template](#)
- [Liaison Template](#)
- [Requesting Consent Agenda Items](#)
  - Must be sent to EC by noon Wednesday
    - 802.1X-Rev (Port Access Control) to Sponsor
    - 802.1Qcj (PBB Auto-attach) PAR extension to NesCom
    - 802.1AS-Rev PAR Extension to NesCom
    - 802E PAR extension to NesCom
    - 802.1ABdh (LLDPv2) PAR to NesCom
    - 802.1Qdj (TSN Config enhancements) to NesCom
    - 802.1Qcx (CFM YANG) to Sponsor ballot (conditional)
    - 802.1AX-Rev (Link Aggregation) to RevCom (conditional)
    - 802.1AS-Rev (Timing and Synchronisation) to RevCom (conditional)
    - Liaisons (if available)
    - Items to PSDO for information
    - Items to PSDO for adoption
    - Ballot comment responses to PSDO

# 802.1 plenary schedule

V4	IEEE 802 PLENARY SESSION Vienna, Austria July 15-19, 2019																					
	802.1 Tracks and Times																					
	SUN	MONDAY				TUESDAY				WEDNESDAY				THURSDAY				FRIDAY				
07:00-07:30																						
07:30-08:00														SP								
08:00-08:30																						
08:30-09:00		TSN			EC	MTN TG				TSN & 60802					ITU		TSN	60802	NENDI CA			
09:00-09:30																					TSN & 60802	
09:30-10:00																						
10:00-10:30		Break				Break				Break				Break				Break				
10:30-11:00																						
11:00-11:30		Opening 802.1 plenary				TSN				SEC	TSN	60802			SEC	TSN	60802				802 Task Force	TSN & 60802
11:30-12:00																						
12:00-12:30																						
12:30-13:00		Lunch				Lunch (TG Chairs Meeting)				Lunch				Lunch				Lunch				
13:00-13:30																						
13:30-14:00																						
14:00-14:30		TSN			SEC	TSN			JTC1	SEC	TSN	60802		SEC	Closing 802.1 plenary				TSN & 60802	Closing 802 EC		
14:30-15:00																						
15:00-15:30																						
15:30-16:00		Break				Break				Break				Break				Break				
16:00-16:30																						
16:30-17:00		TSN			SEC	TSN			SEC	TSN	60802		SEC	Closing 802.1 plenary				TSN & 60802				
17:00-17:30																						
17:30-18:00																						
18:00-18:30																						
18:30-19:00	TG Chairs Mtg				YANGsters																	
19:00-19:30																						
19:30-20:00																						
20:00-20:30																						
20:30-21:00	Rules	802 NENDICA								Joint 802.1 & 802.11 Tgbe				No social event								
21:00-21:30																						
21:30-22:00																						
22:00-22:30																						

**KEY:**  
 TSN: Time Sensitive Netw'kg  
 60802: IEC/IEEE 60802 JP  
 MTN TG: Maintenance TG  
 SEC: Security

# 802.1 Management meetings

- Sunday – 6:30pm – 802.1 management meeting - TG chairs
  - Agenda finalization for Monday (including TG agendas)
  - Insanity slides update
  - EC Consent agenda motion development and finalization (NesCom, RevCom, Sponsor Ballot, SC6 – all with supporting information)
  
- Tuesday – 12:30pm – 802.1 management meeting – TG chairs + optionally editors
  - Agenda finalization for Thursday (including TG reports)
  - EC regular motion finalization (liaisons, other)
  - WG motions (calls, meetings, minutes, TG/WG ballots)
  - PAR issues



# Sub group agendas

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

# YANGsters meeting

- YANG across IEEE 802
  - Communication, Coordination, Mentoring
  - Point of Contact/Center of Expertise for IEEE 802
- July Agenda: meeting #23
  - Monday 18:00 - 19:30 – Room 0.94/0.95
  - IPR Call
  - IEEE YANG Work
  - YANG Catalog GithubUpdate
  - Git Commands
  - YANG Catalog Meta-Data Update
  - EthertypeDiscussion
  - Administrative
  - AoB

# Agenda – Security

1. **[Respond to ISO/IEC JTC1 FDIS pre-ballot comments on IEEE Std 802.1AE-2018 and 802.1Xck-2018](#)**
  - Draft responses at:  
[http://www.ieee802.org/1/files/public/docs2019/maint-randall-SC6CommentResp1AE-0719\\_v02.pdf](http://www.ieee802.org/1/files/public/docs2019/maint-randall-SC6CommentResp1AE-0719_v02.pdf)  
<http://www.ieee802.org/1/files/public/docs2019/maint-randall-SC6CommentResponse8021Xck-v00.pdf>
  - **Monday 2.00 pm, for review in the Maintenance TG and ISO/IEC SC on Tuesday**
2. **[P802E Privacy \(Recommended Practice ... for 802..\), D1.4 Working Group ballot resolution](#)**
  - Ballot passed 92% Approve, will need Working Group recirculation ballot
  - Will need PAR extension
  - **Tuesday 10.30 am, following maintenance, possibly Wednesday**
3. **[P802.1X-Rev Port-Based Network Access Control D1.4, forward to Sponsor Ballot](#)**
  - Working Group ballot recirculation closed with 100% Approval. No other work at this meeting
4. **[IEEE 802.1AE—2018 Corrigenda](#)**
  - PAR approved, request authorization to prepare drafts for WG balloting. No other work at this meeting
5. **[MACsec Privacy Protection \(formerly Traffic flow privacy\)](#)**
  - Continue pre-PAR goals discussion, including YANG model for 802.1AE as base, summary of proposed work at  
<http://www.ieee802.org/1/files/public/docs2019/new-seaman-mac-privacy-summary-0519-v00.txt>  
will request permission to develop PAR and CSD in September interim, preliminary draft at  
<http://www.ieee802.org/1/files/public/docs2019/dk-seaman-mac-privacy-protection-draft-par-0519-v00.pdf>
  - **Monday pm, Tuesday pm if P802E concluded, Wednesday**
6. **[A.O.B.](#)**
7. **[Future meetings/teleconferences](#)**
  - Will meet during the September interim (though attendance is expected to be low)
  - Teleconferences for .1X-Rev sponsor ballot resolution prior to recirculation, P802.1AE Cor1 WG ballot resolution, P802E WG recirculation ballot resolution, MACsec Privacy Protection discussion

# 802.1 TSN TG Agenda

V2	IEEE 802 PLENARY SESSION Vienna, Austria July 15-19, 2019							
	802.1 Time-Sensitive Networking (TSN) TG							
	SUN	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY		
07:00-07:30								
07:30-08:00								
08:00-08:30		P802.1Qcx, P802.1Qcw, P802.1ABcu	MTN	Whole TSN IEC/IEEE 60802 JP		Whole TSN IEC/IEEE 60802 JP		
08:30-09:00								
09:00-09:30								
09:30-10:00								
10:00-10:30	Break			Break	Break			
10:30-11:00		Opening 802.1 plenary	P802.1AX-Rev	Trk A: 60802 JP	Trk B: PARs: Qcj, ABdh, Qdj	Trk A: 60802 JP  Trk B: P802.1DG, P802.1DF, overflow, new work		
11:00-11:30								
11:30-12:00								
12:00-12:30								
12:30-13:00	Lunch	Lunch (Chairs meeting)	Lunch		Lunch	Lunch		
13:00-13:30								
13:30-14:00		liaisons, motions, AS-Rev PAR ext., P802.1ABcu, P802.1Qcr, P802.1CS	P802.1Qcr,, P802.1CBdb, P802.1Qdd, P802.1CBcv, P802.1ABdh	Trk A: 60802 JP	Trk B: P802.1CMde, P802.1DC, P802.1Qcz	Closing 802.1 plenary	Whole TSN IEC/IEEE 60802 JP	
14:00-14:30								
14:30-15:00								
15:00-15:30				Break	Break			
15:30-16:00						Trk B: P802.1CQ		Closing 802.1 plenary
16:00-16:30								
16:30-17:00								
17:00-17:30								
17:30-18:00								
18:00-18:30		YANGsters	Dinner Break	No social event				
18:30-19:00	Chairs Mtg							
19:00-19:30		802 NEND ICA	802.11be - 802.1 TSN	No social event		KEY: TSN: Time-Sensitive Ntwking IEC/IEEE 60802 MTN: Maintenance TG		
19:30-20:00								
20:00-20:30								
20:30-21:00								
21:00-21:30								
21:30-22:00								
22:00-22:30								

- Note that the TSN TG agenda is subject to change, e.g., depending on progress etc.
- TSN TG agenda details are available at: <http://www.ieee802.org/1/tsn-task-group-agenda>

# Maintenance Task Group Meeting

## July 16, 2019 – 8AM – 0.31/32 Level 0

### Agenda

- Patents and Guidelines
- Attendees
- Document Vehicle Status
- Existing Maintenance items
- New Maintenance items
- Comment resolution
  - None
- Liaisons
  - None
- SC6 comment resolution
  - Review JTC1/SC6 pre-ballot comment responses for IEEE 802.1AE and IEEE 802.1Xck
  - [http://www.ieee802.org/1/files/public/docs2019/maint-randall-SC6CommentResp1AE-0719\\_v02.pdf](http://www.ieee802.org/1/files/public/docs2019/maint-randall-SC6CommentResp1AE-0719_v02.pdf)
  - <http://www.ieee802.org/1/files/public/docs2019/maint-randall-SC6CommentResponse8021Xck-v00.pdf>
- What are EPD and LPD? – Roger Marks
  - <http://www.ieee802.org/1/files/public/docs2019/maint-Marks-epd-lpd-0719-v02.pdf>
- SC6 status

# Nendica Meeting Agenda, July 2019

- IEEE 802 “Network Enhancements for the Next Decade” ICA
- Monday, 19:30-21:30 (0.94/95), Thursday 08:00-10:00 (-2.61/62)
- [Detailed draft agenda](#)
- Flexible Factory IoT (FFIOT)
  - Brief report (comment resolution already completed) [Monday]
  - Agree to third round of Call for Comments [Thursday]
- Data Center Networks contributions
  - NANOG76 report (Congdon) [Monday or Thursday]
  - “Strategies to drastically improve congestion control in high performance data centers: next steps for RDMA” (802.1-19-0052, Escudero-Sahuquillo) [Thurs.]
  - “Lossless Network for RDMA in ODCC” and “Testing Lossless Network for RDMA” (Guo, Open Data Center Committee) [Monday]
- New proposal
  - “New Network Requirements for Service Provider Managed-LAN” (802.1-19-0051, Qiu) [Monday]
- Next face-to-face meeting: Edinburgh (802 wireless remotely)
- Schedule teleconferences

*Any other business?*