802.1 Plenary – March 2019 Vancouver, BC, Canada

Opening Agenda

John Messenger – IEEE 802.1 acting WG Chair
JMessenger@advaoptical.com

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](#)
- 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.

02 January 2018

◈IEEE

(Optional to be shown)

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

IEEE

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

IEEE

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.**

  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

◆ IEEE

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

IEEE

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 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 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 – HRV 4th floor Balmoral, 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
    - http://www.ieee802.org/1/pages/minutes.html

- 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   (9 of 12? (75%))

Logistics

- Food & Beverage <mark>Mon-Thur</mark>
  - Continental Breakfast: 7:30 AM to 8:30 AM
    - British Columbia Foyer, Conference level, Fairmont Hotel Vancouver (FHV)
  - Morning Coffee/Tea: 10:00 AM to 11:00 AM
    - British Columbia Foyer, Conference level, Fairmont Hotel Vancouver (FHV)
  - Lunch   12:30 PM – 1:30 PM
    - Not provided – You Are On Your Own
  - Afternoon Coffee/Tea: 3:00 PM to 4:00 PM
    - British Columbia Foyer, Conference level, Fairmont Hotel Vancouver (FHV)
- Social Event
  - Hyatt Regency Vancouver (655 Burrard), 34th Floor
  - Wednesday 6:30pm – 9:00pm
- FRIDAY MEETINGS will be at Hyatt Regency Vancouver
- 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 Secretary: Craig Gunther
  - IEC/IEEE 60802 Joint Project chair: Ludwig Winkel
    - IEC/IEEE 60802 Joint Project secretary: Josef Dorr
  - OmniRAN TG Chair: Max Riegel
  - Maintenance TG chair: Paul Congdon
  - NEND ICA 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/

The following are 802.1 voters (55):

Assmann, Ralf
Bierschenk, Jens
Boiger, Christian
Bottorff, Paul
Canchi, Radhakrishna
Chen, David
Chen, Feng
Cheng, Weiying
Congdon, Paul
Cummings, Rodney
Elbakoury, Hesham
Farkas, Janos
Finn, Norman
Garner, Geoffrey
Gray, Eric
Gunther, Craig
Gutierrez, Marina
Haddock, Stephen
Hantel, Mark
Holness, Marc

Itaya, Satoko
Karl, Michael
Kehrer, Stephan
Koto, Hajime
Mangin, Christophe
Mansfield, Scott
Maruhashi, Kenichi
McIntosh, James
Messenger, John
Mustala, Tero
Ohsawa, Tomoki
Ohue, Hiroshi
Pannell, Donald R
Parsons, Glenn
Pienciak, Walter
Potts, Michael
Qiu, Wei
Randall, Karen

Riegel, Maximilian
Rouyer, Jessy
Sato, Atsushi
Schewe, Frank
Seaman, Michael
Specht, Johannes
Unbehagen, Paul
Wang, Hao
Wang, Tongtong
Wang, Xinyuan
Weber, Karl
Weis, Brian
Winkel, Ludwig
Woods, Jordon
Yamaura, Takahiro
Yu, Xiang
Zein, Nader

The following have <u>lost</u> their voting membership through lack of qualifying attendance credit:

None

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

None (but warnings will be issued)

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

Steindl, Guenter
Ito, Yoshihiro
Seewald, Maik

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

Dorr, Josef
Enzinger, Thomas
Bechtel, Gordon
Belliardi, Rudy
Chang, Xin
Chen, Lihao
Chou, Vincent
DeLaOlivaDelgado, Antonio
Ellegaard, Lars
Fan, Xiaojing

Fang, Yonggang
Fontaine, Mickael
Gravel, Mark
Harima, Taro
Hasegawa, Akio
Hotta, Yoshifumi
Kondo, Yoshihisa
Li, Dong
Ohori, Fumiko
Osagawa, Daisuke
Shen, Li
Stanica, Marius

Sun, Wenhao
Tarui, Isao
Ting, Ao
Varga, Balazs
Wamsser, Reiner
Wood, Graeme
YU, Yi
Zhang, Jiayi
Zuponcic, Steven

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

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 – 2019?

- move document storage to (new) Mentor

Future interim meetings

- May 20-24, 2019
  - [Ethernet Alliance](#) in [Salt Lake City](#), USA
    - Hotel cutoff: April 19th; Registration deadline: April 23rd.
- Sept 2019
  - ADVA Optical Networking hosting in Edinburgh
- Jan 20-24, 2020 (workshop Jan 25)
  - Proposal: 802.3/802.1/ITU-T for Geneva, CH
- May 2020
  - Ethernet Alliance in North America
- September 2020
  - Potential Huawei proposal for China

January 2020 Interim Meeting Proposal - IEEE 802.1 and 802.3

- Host: International Telecommunication Union (ITU)
- 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: Meeting Rooms Provided

□ IEEE 802.1
  – Tower Room C1 (108 seats)
  – Montbrillant Room H1 (50 seats)
  – Montbrillant Rooms L1 (30 seats)

□ IEEE 802.3
  – Tower Room A (82 seats)
  – Tower Rooms Popov 1 (124 seats) and Popov 2 (124 seats) (combine for 248 seats)
  – Tower Room C2 (108 seats)
  – Montbrillant Room H2 (50 seats)
  – Montbrillant Rooms K1 (50 seats) and K2 (50 seats) (combine for 100 seats)
  – Montbrillant Room L2 (30 seats)
  – Montbrillant Rooms M1 (30 seats) and M2 (30 seats) (combine for 60 seats)

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

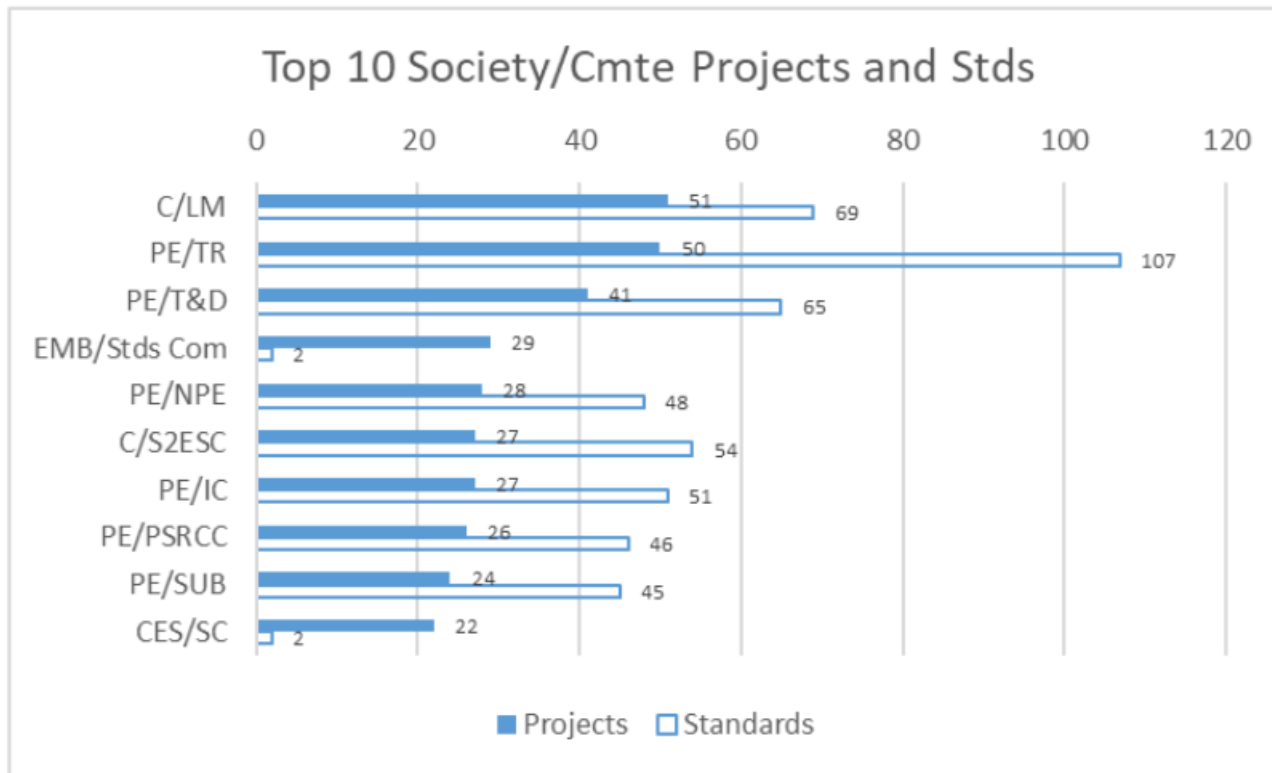- July 14-19, 2019 – Vienna, Austria
  - Austria Congress Centre
- November 10-15, 2019 – Waikoloa, HI, USA
  - Hilton Waikoloa Village

- 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

802 EC report – Plenary #121

- SA staff are available – Jodi Haasz is our new staff contact
- 802 Task Force (Thurs 10:30-12:30 - Oxford - HRV 3rd Floor)
  - IEEE SA Tools update   - Web conferencing
  - Bulk Framemaker licenses
- P&P, OM, WG & CG change proposals (EC-19-37)
  - Update Standard Committee P&P
  - Update WG P&P
- Venues (EC-16-66-07)
  - Bangkok was popular
- Treasurer (EC-19-35)
  - Nov 2018: $44k surplus with larger attendance
  - 2019 projected loss: $500k (reducing reserves to $1M)

Chair's Closing Remarks
802 (C/LM) Projects and Standards vs other Sponsors

Top 10 Society/Cmte Projects and Stds

Committee	Projects	Standards
C/LM	51	69
PE/TR	50	107
PE/T&D	41	65
EMB/Stds Com	2	29
PE/NPE	28	48
C/S2ESC	27	54
PE/IC	27	51
PE/PSRCC	26	46
PE/SUB	24	45
CES/SC	2	22

■ Projects □ Standards

To everyone that has contributed to 802 Standards over almost four decades – well done!

EC meetings this week

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

Tue 13:30-15:30 802/JTC1/SC6 Standing Committee
– Oxford - HRV 3rd Floor

~~Wed 08:00-10:00 802/ITU Standing Committee~~
– ~~Galiano - FHV Discovery Level~~

Thu 07:30-08:00 Next venue space planning

Thu 08:00-09:00 Future venue planning

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

Thu 10:30-12:30pm IEEE 802 Task Force

Fri 13:00-18:00 closing Executive Committee meeting

myProject status unchanged

- Phase I: convert myProject from PERL
  - Greater effort required than anticipated
  - Completion in 2019 ?
- 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

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 period initiated simultaneously.
  - https://publicreview.standards.ieee.org
  - Staff will transfer any comments to myBallot
- Status
  - No comments yet
  - Open public review
    - P802.1AS-Rev (closes March 29th)
- Questions? **FAQ**

Email ballots (ePoll)

- None

PARs this week

- 802.1 PARs
  - P802.1AE-2018/Cor-1 MAC Security Corrigendum
    - Maintenance PAR under 48-hour rule
    - Maintenance issue 0228
    - PAR

- 802.1 ICAIDs
  - 802.1 Industry Connections: Nendica
    - ICAID Extension and background

PARs this week – 2/2

- Other WG PARs:
  - 802.3cu - Amendment, 100 Gb/s and 400 Gb/s Operation over Single-Mode Fiber, PAR and CSD
  - 802.11be - Amendment, Enhancements for Extremely High Throughput (EHT), PAR and CSD

802 Industry Connections

- IEEE 802 network enhancements for the next decade
  - Authorized until March 2019
  - This group is being run as a subgroup of 802.1
  - The chair of this Industry Connections activity is
    - Roger Marks
  - Up for renewal at this meeting
- 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

Tutorial #1 (6:30–7:50 pm):
Spectrum - Use it or Share it

- [Presentation](#)
- Apurva N. Mody, National Spectrum Consortium, WhiteSpace Alliance, BAE Systems
- Julie Knapp, Chief, Office of Engineering and Technology, Federal Communications Commission
- Jeff Evans, Georgia Tech Research Institute, National Spectrum Consortium
- Sumit Roy, U. of Washington, National Spectrum Consortium
- Oliver Holland, Advanced Wireless Technology Group Ltd., UK.
- Jay Holcomb, Chair, IEEE 802.18 Task Group, Itron

Sponsored by Apurva N. Mody, IEEE 802.22 WG Chair

Location: HRV Regency C/D

Liaisons within 802

- Joint meetings
  - Tues 18:00 – 18:30 – 802.1 TSN, 802.24
  - Tues 18:30 – 19:30 – 802.1, 802.15
- IEEE 802 JTC1 standing committee meetings   report
  - Tuesday 13:30 – 15:30 - Oxford: HRV 3rd floor
- 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
- IEEE 802 task force
  - Thursday 10:30am

Incoming Liaisons

- TSN

  - [CPRI Cooperation](#) – Category A+ requirement
  - [IEEE 1914 -](#) Extension of P1914.3 Radio over Ethernet Encapsulations and Mappings
  - [IETF LSVR](#) [–](#) Link State over Ethernet
  - [ITU-T SG15 LS 176](#) – Coordination of Ethernet information and data modelling

Sanity check – current workload

Project	Subject	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1Qcc	SRP enhancements & performance improvements	RevCom conditional	Published - Oct 31	D2.3		Dec '19
802.1CF	Access network (OmniRAN)	RevCom conditional	RevCom	D3.1	RevCom - Mar 20	Dec '20
802.1AS-REV	Time synch enhancements	Sponsor ballot	Sponsor Ballot	D8.0	Sponsor Ballot recirc	Dec '19
802.1Qcj	Auto Attach to PBB	TG Ballot	TG Ballot	D0.4	WG ballot	Dec '19
802.1Xck	802.1X YANG data model	RevCom conditional	Published - Dec 21	D2.2		Dec '19
802.1CM	Profile for Fronthaul	RevCom conditional	Published - Jun 8	D2.2		Dec '19
802.1Qcy	EVB VDP extension	RevCom	RevCom	D2.5	Approval - Mar 20	Dec '19
802.1Qcp	802.1Q YANG data model	Sponsor Ballot - cond	Published - Sep 14	D2.2		Dec '19
802E	Privacy	TG ballot	TG ballot	D1.3	WG Ballot	Dec '19
802.1CQ	Multicast and Local Address Protocol	PAR approved	Editor's draft	D0.1	Editor's draft	Dec '20
802.1Qcr	Asynchronous Traffic Shaping	WG ballot	TG ballot	D0.5	WG Ballot initiation	Dec '20
802.1CS	LRP	WG ballot	WG ballot	D2.1	WG Ballot recirc	Dec '21
802.1AX-REV	Link Aggregation	WG ballot	WG ballot	D1.0	Sponsor Ballot - conditional	Dec '20
802.1AR-REV	Secure Device Identity	RevCom	Published - Aug 2	D2.6		Dec '21
802.1Q-REV	Bridges and Bridged Networks	RevCom	Published - Jul 6	D2.2		Dec '20
802.1AE-REV	MAC security	RevCom	Published - Dec 26	D1.3		Dec '21
802.1ACct	support for 802.15.3	PAR approval	PAR Approved		Editor's draft	Dec '21
802.1ABcu	LLDP YANG	TG Ballot	TG Ballot	D0.6	TG ballot	Dec '21
802.1CBcv	FRER YANG & MIB	TG Ballot	PAR Approved - May 14		Editor's draft	Dec '22
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	TG Ballot	TG Ballot	D0.2	TG ballot	Dec '21
802.1Qcx	CFM YANG	WG Ballot	WG Ballot	D1.0	WG Ballot recirc	Dec '21
802.1AC/cor1	MAC Service	RevCom	Published - Nov 9	D1.2		Dec '21
802.1Qcz	Congestion Isolation	PAR approval	PAR approved - Sep 27		TG ballot	Dec '22
802.1CBdb	FRER (CBcv) extensions	PAR approval	PAR Approved - May 14		Editor's draft	Dec '22
60802 (DA)	Profile for Industrial Automation	TG Ballot	TG Ballot	D1.0	TG ballot	Dec '22
802.1DC	QOS provision by network systems	TG Ballot	Editor's draft	D0.1	TG ballot	Dec '22
802.1X-REV	Port Access Control	WG ballot	WG ballot	D1.0	Sponsor Ballot - conditional	Dec '22
802.1Qdd	Resource Allocation Protocol	PAR approval	PAR approved - Sep 27		TG ballot	Dec '22
802.1CMde	Enhancements for Fronthaul Interface	PAR approval	PAR approval - Feb 8		TG ballot	Dec '23
802.1DF	TSN Profile for Service Provider Networks	PAR approval	PAR approval - Feb 8		Editor's draft	Dec '23
802.1DG	TSN Profile for Automotive Networks	PAR approval	PAR approval - Feb 8		TG ballot	Dec '23
P802.1AE/cor1	MAC security corrigendum		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…
  - This time: 802.1Qcp press release (TSN Mon PM)

- Presence at Industry Events
  - IEEE Communications Standards Magazine, June 2018
    - TSN Feature Topic
    - Introduction to 7 articles in the feature topic
  - TSN/A – Stuttgart, September 2018
    - Several presentations and booth

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

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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

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
    - 802.1AX-Rev to Sponsor – conditional
    - 802.1X-Rev to Sponsor ?
    - 802.1AE-2018/Cor-1 to NesCom (48hr rule)
    - Nendica ICAID renewal
    - Liaisons (if available)
    - Items to PSDO for information
    - Items to PSDO for adoption
    - Ballot comment responses to PSDO

802.1 plenary schedule

		V1	IEEE 802 PLENARY SESSION Vancouver, BC, Canada March 10-15, 2019			

802.1 tracks and times

	SUN	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
07:00-07:30						
07:30-08:00						
08:00-08:30		Trk 1: TSN / EC	MTN TG	Trk 1 & 2: TSN & 60802 / NEND ICA / ITU	Trk 1: TSN / Trk 2: 60802	Trk 1 & 2: TSN & 60802
08:30-09:00						
09:00-09:30				Trk3 SEC		
09:30-10:00						
10:00-10:30		Break	Break	Break	Break	Break
10:30-11:00		Opening 802.1 plenary	Trk 1: TSN / Trk 4: SEC	Trk 1: TSN / Trk 2: 60802 / Trk 4: SEC	Trk 1: TSN / Trk 2: 60802	Trk 1 & 2: TSN & 60802
11:00-11:30						
11:30-12:00						
12:00-12:30						Lunch
12:30-13:00		Lunch	Lunch (Editors' Meeting)	Lunch	Lunch	
13:00-13:30						
13:30-14:00		Trk 1: TSN / Trk 3: OR / Trk 4: SEC	Trk 1: TSN / Trk 3: OR / Trk 4: SEC	Trk 1: TSN / Trk 2: 60802 / Trk 3: OR / Trk 4: SEC	Closing 802.1 plenary	Trk 1 & 2: TSN & 60802
14:00-14:30						
14:30-15:00						Closing 802 EC
15:00-15:30						
15:30-16:00		Break	Break	Break	Break	
16:00-16:30		Trk 1: TSN / Trk 4: SEC	Trk 1: TSN / Trk 4: SEC	Trk 1: TSN / Trk 2: 60802 / Trk 4: SEC	Closing 802.1 plenary	
16:30-17:00						
17:00-17:30						
17:30-18:00						
18:00-18:30	TG Chairs Mtg	Break	Joint 802.24	Break	Break	KEY:
18:30-19:00		802 Tutorial: Spectrum - Use it or Share it	Joint 802.1 & 802.15 / YANGsters	Social event		TSN: Time Sensitive Netw'kg
19:00-19:30						60802: IEC/IEEE 60802 JP
19:30-20:00			802 NEND ICA			MTN TG: Maintenance TG
20:00-20:30						SEC: Security
20:30-21:00						OR: OmniRAN
21:00-21:30						
21:30-22:00						
22:00-22:30						

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802.1 Management meetings

- Sunday – 6pm – 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
- OmniRAN TG
- Maintenance TG
- 802 Network Enhancements IC

YANGsters meetings

- YANG across IEEE 802
  - Communication, Coordination, Mentoring
  - Point of Contact/Center of Expertise for IEEE 802

- Tuesday agenda (6-7:30pm, Balmoral: HRV 3rd Floor) – Stephan Kehrer presiding
  - Management Address Grouping (.1Qcx)
  - IETF Module on Ethertypes
  - IEEE website for YANG modules
  - YANG catalog
  - Review Open Source Actions
  - Any Other Business
  - Administrative

Agenda – Security

1. ## ISO/IEC JTC1 PSDO processing …
   - Status update … IEEE Std 802.1Xck-2018 (?)
   - ➢ Monday 2.00 pm, for review in the Maintenance TG and ISO/IEC SC on Tuesday
2. ## P802E Privacy (Recommended Practice ... for 802..)
   - D1.3 Task Group ballot resolution
   - ➢ Tuesday 10.30 am (following Maintenance TG), 2.00 pm
3. ## P802.1X-Rev Port-Based Network Access Control
   - D1.0 Working Group ballot resolution
   - ➢ Wednesday 9.00 am
4. ## IEEE 802.1AE—2018 Corrigenda
   - ➢ Monday pm, and in Maintenance TG on Tuesday
5. ## Traffic flow privacy
   - …docs2019/new-fedyk-traffic-flow-security-0219.pdf
   - ➢ Tuesday (time permitting), Wednesday
6. ## A.O.B.
7. ## Future meetings/teleconferences

[Draft agenda online at https://1.ieee802.org/security/security-task-group-agenda/]

802.1 TSN TG Agenda

V2	IEEE 802 PLENARY SESSION Vancouver, BC, Canada March 10-15, 2019				
	802.1 Time-Sensitive Networking (TSN) TG				
	SUN	**MONDAY**	**TUESDAY**	**WEDNESDAY**	**THURSDAY**	**FRIDAY**

	SUN	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
07:00-07:30						
07:30-08:00						
08:00-08:30		**P802.1Qcx**	**MTN**	**Whole TSN IEC/IEEE 60802 JP**	**Trk A: 60802 JP** / **Trk B:** P802.1DG, P802.1AS-Rev	**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**	**P802.1CQ, P802.1AS-rev**	**Trk A: 60802 JP** / **Trk B:** P802.1Qcj		
11:00-11:30						
11:30-12:00						
12:00-12:30						
12:30-13:00		Lunch	Lunch (Editors' meeting)	Lunch	Lunch	Lunch
13:00-13:30						
13:30-14:00		**liaisons, motions, P802.1AS-Rev**	**P802.1Qcx, P802.1Qcw, P802.1Qcr, TSN Configuration, Flexible Factory**	**Trk A: 60802 JP** / **Trk B:** P802.1CS, P802.1Qdd, P802.1Qcz, P802.1CBdb	**Closing 802.1 plenary**	**Whole TSN IEC/IEEE 60802 JP**
14:00-14:30						
14:30-15:00						
15:00-15:30						
15:30-16:00						
16:00-16:30						
16:30-17:00						
17:00-17:30						
17:30-18:00						
18:00-18:30	TG Chairs Mtg	Break	.24 - TSN 802.1 - 802.15 / YANGsters	Break		KEY:
18:30-19:00		**802 Tutorial: Spectrum - Use it or Share it**		**Social event**		TSN: Time-Sensitive Ntwking IEC/IEEE 60802 MTN: Maintenance TG
19:00-19:30						
19:30-20:00			**802 NEND ICA**			
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

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OmniRAN Agenda for March 2019

- Review of minutes
- Reports
- IEEE 802.1CF socialization activities
- P802.1CQ contributions and discussions
  - P802.1CQ ToC and specification text contributions
- Potential new project for OmniRAN TG
- Conference calls until July 2019 F2F
- Status report to IEEE 802 WGs
- Liaisons
- Next meeting
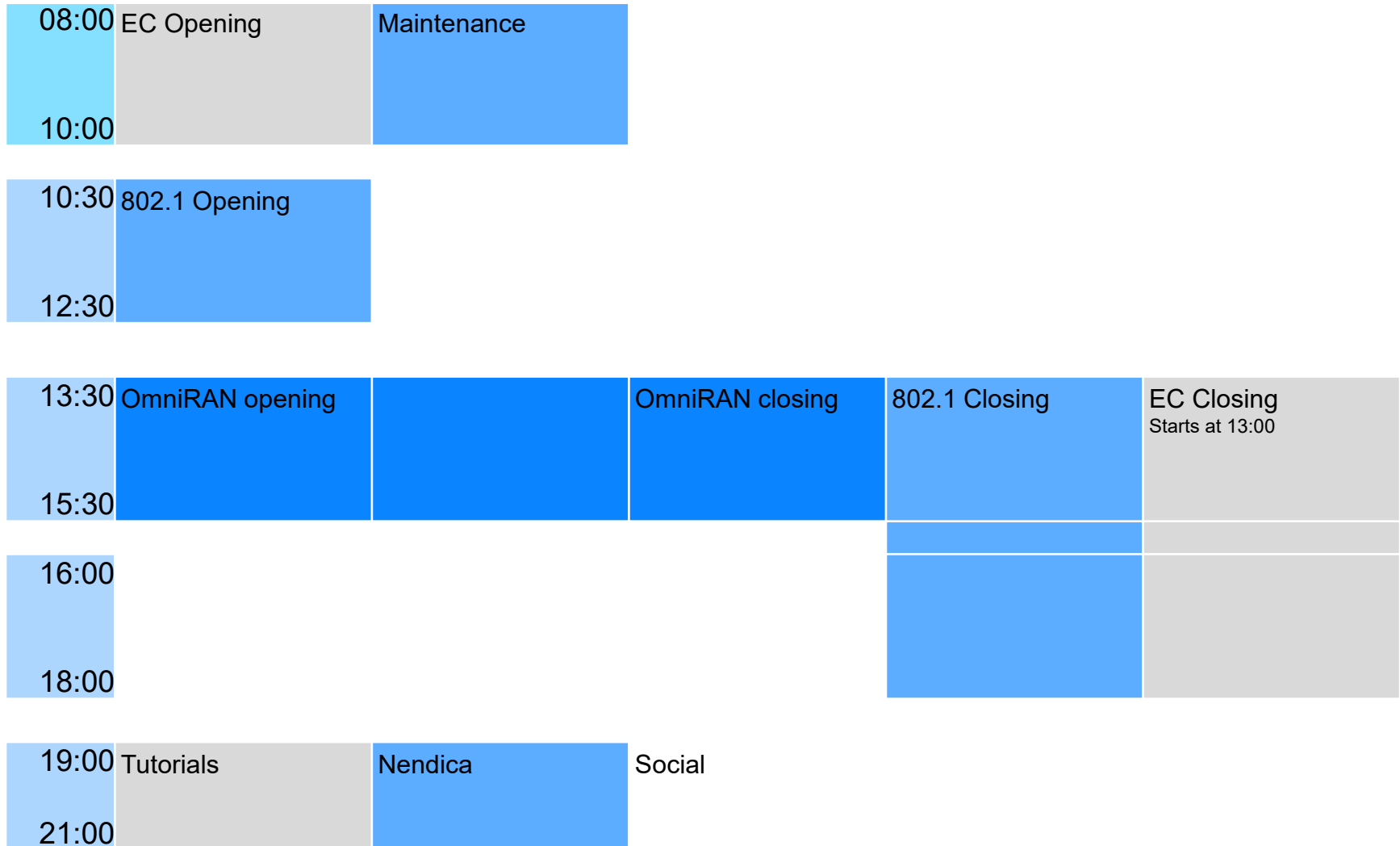- AOB

OmniRAN March 2019 Agenda Graphics

	Mon 3/11	Tue 3/12	Wed 3/13	Thu 3/14	Fri 3/15
08:00 – 10:00	EC Opening	Maintenance			
10:30 – 12:30	802.1 Opening				
13:30 – 15:30	OmniRAN opening		OmniRAN closing	802.1 Closing	EC Closing Starts at 13:00
16:00 – 18:00					
19:00 – 21:00	Tutorials	Nendica	Social		

Maintenance meeting Mar 12th, 2019 Agenda

- Patents and Guidelines

- Attendees

- Document Vehicle Status

- Existing Maintenance items

- New Maintenance items

- Comment resolution
  - None

- Liaisons
  - SG15 LS172 OTNT

- SC6 comment resolution
  - Discuss draft response to CN.1 on IEEE 802c-2017 (ISO/IEC/IEEE FDIS 8802-A:2015/FDAmd 2)

- SC6 status

Nendica Plan

- Tuesday, 19:30-22:30; Wednesday 08:00-10:00
- Detailed agenda:
  - http://1.ieee802.org/802-nendica/agenda-ieee-802-nendica-meeting/
- Key meeting topics:
  - Address any comments on ICAID renewal
  - Work Item: Flexible Factory IoT
    - Prepare for recirculation
  - Work Item: Lossless Network for Data Centers
    - Discuss possible revision activity
    - Possible coordinated track at NANOG meeting, 2019-06
  - Future meetings
    - Teleconferences
    - May meetings
      - Wireless interim (Atlanta, week of 2019-05-13) and
      - 802.1 interim (Salt Lake City, 2019-05-20)

Virtual Reality in 802.21

- https://mentor.ieee.org/802.21/dcn/19/21-19-0023-00-0000-the-network-relevance-in-vr.pptx

Any other business?