802.1 Plenary – March 2019 Vancouver, Canada

Closing 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
- Sanity check – current projects
- 802 reports
- 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.

(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

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.**

    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

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

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 and 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 (61):

Assmann, Ralf

Bierschenk, Jens

Boiger, Christian

Bottorff, Paul

Canchi, Radhakrishna

Chen, David

Chen, Feng

Cheng, Weiying

Congdon, Paul

Cummings, Rodney

Dorr, Josef

Elbakoury, Hesham

Enzinger, Thomas

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

Mcmillan, Larry

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

Seewald, Maik

Specht, Johannes

Stanica, Marius

Steindl, Guenter

Unbehagen, Paul

Wang, Xinyuan

Wang, Tongtong

Wang, Hao

Weber, Karl

Weis, Brian

Winkel, Ludwig

Woods, Jordon

Yamaura, Takahiro

Yu, Xiang

Zein, Nader

The following became voting members this week:

Dorr, Josef
Enzinger, Thomas
McMillan, Larry
Seewald, Maik
Stanica, Marius
Steindl, Guenter

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

Ito, Yoshihiro

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:

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
Hemmer, David
Hotta, Yoshifumi
Kondo, Kenji
Kondo, Yoshihisa
Li, Dong
Ohori, Fumiko
Osagawa, Daisuke
Shen, Li

Sun, Wenhao
Tarui, Isao
Ting, Ao
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:

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)

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.

Future interim meetings

- May 20-24, 2019
  - Ethernet Alliance in Salt Lake City, USA
    - Hotel cutoff: April 19th; Registration deadline: April 23rd.
- September 16-20, 2019
  - ADVA Optical Networking hosting in Edinburgh
- September 23, 2019
  - Proposal: TSN interim meeting for 802.1DG hosted by GM in Detroit, prior to IEEE Ethernet/IP Automotive Tech Day
- Jan 20-24, 2020 (workshop Jan 25)
  - Proposal: 802.3/802.1/ITU-T for Geneva, CH
- May 18-22, 2020
  - Ethernet Alliance in North America
- September 2020
  - Potential Huawei proposal for China

January 2020 Interim Meeting Proposal - IEEE 802.1 and 802.3

- Hosts: International Telecommunication Union (ITU), Nokia and IEEE 802.3

- 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)

This plenary survey

- Do you like this venue?
  - Yes: 56_   No: 2_
- Did you like the social?
  - Yes: 54_   No: 0_
- Did you go to the social?
  - Yes: 58_   No: 6_

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

Promotional Activities

- TSN has been promoted through various conferences and publications
- Upcoming relevant events include:
  - ISPCS, September 22-27, 2019 in Portland, Oregon, USA
    - Contact Bob Noseworthy, Presentation
  - IEEE-SA Ethernet & IP Automotive Technology Day: September 24-25, 2019 in Detroit, MI, USA
    - Contact Mike Potts, Craig Gunther and John Messenger
  - TSN/A Conference 2019, October 8-9, 2019 in Bad Homburg, Germany.
    - Contact Craig Gunther, Presentation

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		TG ballot	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	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 approved - Feb 8		TG 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 Networks	PAR approval	PAR approved - Feb 8		TG ballot	Dec '23
802.1AE/cor1	MAC security corrigendum		PAR development		PAR approval	
802.1ABdh	LLDPv2		PAR development		PAR approval	
802.1Qdj	TSN Configuration Enhancements		PAR development		PAR approval	
802.1AEdk	Privacy enhancements for use with MACsec		PAR development		PAR approval	

802.1 plenary schedule

V2

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	MTN TG	Trk 1 & 2: TSN & 60802 / NEND ICA / ITU / Trk3 SEC	Trk 1: TSN / Trk 2: 60802	Trk 1 & 2: TSN & 60802
08:30-09:00						
09:00-09:30		EC				
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						
12:30-13:00		Lunch	Lunch (Editors' Meeting)	Lunch	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 / 802 Tutorial: Spectrum - Use it or Share it	Joint 802.24 / YANGsters / 802 NEND ICA	Break / Social event	Break	
18:30-19:00						
19:00-19:30						
19:30-20:00						
20:00-20:30						
20:30-21:00						
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
OR: OmniRAN

802 reports

- IETF SC
  - Did not meet
- JTC1 SC
- ITU SC
  - Did not meet

802 reports

- 802 Task Force
  - The 802 Task Force meetings will become teleconferences with a follow-up at SASB meetings
  - Initial call will be 28 May 2019 11am-noon ET
  - IEEE SA tools update will be given at SASB next week
  - Web conferencing: do we want to switch to WebEx?
  - Bulk Framemaker licensing will be investigated by IEEE

TG reports

- Maintenance
- Nendica
- OmniRAN
- Security
- TSN
- YANGsters

Maintenance Task Group Closing Report

March 14, 2019
Paul Congdon

Maintenance Item Status Update

- Updated maintenance sessions slides show detailed progress and status:
  - http://www.ieee802.org/1/files/public/docs2019/maint-congdon-session-0319-v02.pdf

- Progressed Summary
  - 1 technical experts review -> complete then ballot
  - 1 received -> complete then ballot
  - 4 received -> technical experts review

ISO/IEC JTC1 SC6 Status

- 28 standards currently PSDO approved
- 4 standards in PSDO adoption process
- 3 standards in PSDO 60-day pre-ballots
- 3 standards queued up to send to PSDO (already approved by WG to send)
- 1 standard to send for information
- 0 Motions for documents sent for adoption
- 2 Motions to approve liaison response to comments
  - IEEE 802c-2017 (ISO/IEC/IEEE FDIS 8802-A:2015/FDAmd 2)
  - IEEE 802.1Q (ISO/IEC/IEEE 8802-1Q:2016)
- 2 responses under development by Security TG
  - IEEE 802.1Xck-2018 – comment response
  - IEEE 802.1AE-2018– comment response

Maintenance Next Steps

- Proposing teleconferences to progress 802.1CB items and any new business:
  - 14th May 2019 at 11am EST
  - 9th July 2019 at 11am EST

- Review Security TG responses to JTC1/SC6 CN comments in May to be approved in July
  - IEEE 802.1Xck-2018
  - IEEE 802.1AE-2018

Nendica Meeting Report, March 2019

- IEEE 802 "Network Enhancements for the Next Decade" ICA
- Tuesday, 19:30-21:30, Wednesday 08:00-10:00
- Detailed agenda: 802.1-19-0024-00
- 23 people logged
- Agreed again (18/0/0) to forward the ICAID renewal request, proposing extension to March 2021
  - No changes, since no comments were received
- Agreed to initiate second FFIoT Call for Comments
  - to begin after ICAID is formally renewed
- Data Center Networks contribution presented
  - Discussion about followup; possible NANOG presentations
- 802.21 Study Group (Virtual Reality) presentation
- Scheduled teleconferences:
  - 2019-04-10 11:00 ET (Data Center Networks focus)
  - 2019-04-18 09:00 ET (FFIoT focus)
  - 2019-05-07 09:00 ET (FFIoT focus)
  - Meeting at May Wireless and May 802.1 Interim

OmniRAN closing report

OmniRAN TG Achievements

Vancouver, BC meeting, March 11th – 13th

- P802.1CF – Forwarded to REVCOM for approval on March 20th
  - Initial publicity actions planned:
    - Contribution to the IEEE beyond standards blog
    - Short notice to IEEE Communications Standards Magazine
    - Updated introductory slideset on 802.1 website
    - Full article for IEEE Communications Standards Magazine
- P802.1CQ – Local address assignment protocol
  - Potential alignment with IEEE 1722 MAAP
    - Considerations of reuse of MAAP concepts for P802.1CQ
    - Liaison to IEEE 1722 drafted to determine potential cooperation
  - ToC established
    - Unicast & multicast, stateful & stateless
  - Deployment in 802.11
    - Reviewed proposed additions to PAD
- ITU-T JCA IMT2020
  - Liaison to clean up list of 802.1 standards on ITU-T website

Looking forward to next sessions

- OmniRAN TG will not meet in May, but will progress P802.1CQ through a series of conference calls
  - Allowing all interested parties to attend and contribute
    - Interest from TSN participants, P60802 participants, and 802.11 participants
- Envisioned topics:
  - P802.1CQ
    - Create initial draft specification
    - Follow up on cooperation with IEEE 1722
    - Interaction with IEEE 802.11 on solution for WLAN

- Upcoming conference calls:
  - Apr 5th, 2019, 09:00AM ET 1.5hr
  - Apr 26th, 2019, 09:00AM ET 1.5hr
    - Mainly covering .1CQ contributions

Report – Security

1. **ISO/IEC JTC1 PSDO processing …**
   - Reviewed status, FDIS pre-ballots closed 11th March - 802.1AE-Rev, 802.1Q-Rev, 802.1Xck
   - ➤ Response to 802.1Q-Rev prepared, will be Maintenance TG motion
2. **P802E Privacy (Recommended Practice … for 802..)**
   - D1.3 Task Group ballot resolution
   - ➤ Concluded, will request 802.1 approval to go to WG ballot, resolve in July
3. **P802.1X-Rev Port-Based Network Access Control**
   - D1.0 Working Group ballot resolution (resolution not yet concluded)
   - ➤ Ballot passed, number of detailed YANG comments, there will be one or more recirculation ballots prior to the July plenary.
4. **IEEE 802.1AE—2018 Corrigenda**
   - ➤ Reviewed proposed PAR, motion to request forwarding to NesCom
5. **Traffic flow privacy**
   - …docs2019/new-fedyk-traffic-flow-security-0219.pdf
   - ➤ Discussed, Privacy enhancements for use with MACsec
6. **A.O.B.**
   - Brief review of security aspects of …docs2019/new-seaman-cut-through-scissors-0119-v01.pdf
7. **Future meetings/teleconferences**
   - ➤ Will meet during the May interim (though attendance is expected to be low)
   - ➤ Telecons to finalize 1X-Rev/D1.0 ballot resolution prior to recirculation

802.1 TSN TG Agenda

V3

IEEE 802 PLENARY SESSION
Vancouver, BC, Canada
March 10-15, 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	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, P802.1CS			
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	P802.1Qcw, 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 / YANGsters	Break				KEY:
18:30-19:00		802 Tutorial: Spectrum - Use it or Share it		Social event				KEY: 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 agenda is subject to change, e.g., depending on progress etc.
- TSN TG agenda details are available at: http://ieee802.org/1/tsn/tsn-task-group-agenda

YANGsters

- Management Address Grouping (.1Qcx) Comment discussion
  - Reviewed the current up to date proposal with the results from the email discussions
- IETF Module on Ethertypes
  - Brief recap of the issue
  - Postponed to next meeting
- IEEE Website for YANG modules
  - Discussed what is required and what is missing to set up a page for YANG modules on the IEEE 802.1 Website
  - The discussion directly tied into the next topic
- YANG Catalog Issues
  - Brief recap of the current status
  - Discussed on how to proceed with the open topics
  - Decision: process needs to be further clarified to solve the open topics for this topic as well as the Website questions
- IEEE Open Source Initiative
  - Brief recap of the topic and discussion at the last call
  - More information on the topic is currently being collected and compiled
  - Postponed to YANGsters call in April
- Future meetings/teleconferences
  - Decision: monthly teleconferences should be continued
  - New date suggested (last Tuesday of each month)
  - There will be a motion asking for authorization of the calls during the closing plenary

Liaisons

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

Outgoing liaison discussion

❑ P802.1DG eBlast (IEEE SA promotion activity)

❑ 802.1Qcp YANG Data Model press release [CA]

❑ Liaison response to ITU-T SG15 on LS176 [CA]

❑ ~~Liaison to ITU-T JCA IMT2020 on IMT2020 Roadmap~~ [CA]

❑ PSDO Comment Responses on 802c-2017 [CA]

❑ ODVA: Liaise P802.1AS-Rev latest draft (EC II)

❑ Liaison to IEEE 1914 on Category A+ [CA]

❑ Liaison to CPRI Cooperation on Category A+ [CA]

❑ Liaison to IETF LSVR WG on Link State over Ethernet [CA]

❑ Liaison response to OPC Foundation [CA]

❑ Liaison to IEEE 1722 on MAAP

EC consent agenda motions

Agenda - 1

- PARs/ICAIDs to NesCom/ICCom (ME)
  - 5.xxx P802.1AE-2018/Cor 1 PAR - Media Access Control (MAC) Security - Corrigendum 1: Tag Control Information Figure
  - 5.xxx IEEE 802 Nendica ICAID

- Drafts to Sponsor Ballot
  - 5.xxx P802.1AX-Rev: Link Aggregation revision

- External Communication (ME)
  - 7.xx 802.1Qcp YANG Data Model press release
  - 7.xx Liaison response to ITU-T SG15 on LS176
  - ~~7.xx Liaison to ITU-T JCA IMT2020 on IMT2020 Roadmap~~
  - 7.xx PSDO Comment Responses on 802c-2017

Agenda - 2

- Information Items (II)
  - 7.xx Liaison to IEEE 1914 on Category A+
  - 7.xx Liaison to CPRI Cooperation on Category A+
  - 7.xx Liaison to IETF LSVR WG on Link State over Ethernet
  - 7.xx Liaison response to OPC Foundation

802.1 Motions
2019-03

Consent Agenda

NesCom

Motion

- Approve forwarding P802.1AE-2018/Cor 1 PAR documentation in
  http://www.ieee802.org/1/files/public/docs2019/ae-cor1-draft-par-0319-v00.pdf
  to Nescom

  [Corrigendum PAR, no CSD]

- In the WG, Proposed: Seaman Second: Congdon
  - PAR (y/n/a): 43, 0, 0

- In LMSC, mover: John Messenger Second: David Law
  - (y/n/a): <y>,<n>,<a>

Motion: IEEE 802 Nendica ICAID

Approve forwarding IEEE 802 Nendica ICAID documentation in IEEE 802.1-18-0079-02
https://mentor.ieee.org/802.1/dcn/18/1-18-0079-02-ICne.docx
to ICCom

In the Working Group, Moved: Marks, Second: Congdon
Y: 43, N: 0, A: 1

In LMSC: Moved: Messenger, Second: Marks
Y: ??, N: ?, A: ?

IEEE 802 Nendica ICAID

Title

IEEE 802 "Network Enhancements for the Next Decade" Industry Connections Activity

Explanatory technical background material

The initial term of the IEEE 802 Nendica was March 2017 to March 2019. During that period, two Work Items were initiated. The Lossless Data Center Networks Work Item led to a published Nendica Report, a PAR (P802.1Qcz – Congestion Isolation), external cooperation activities, and a proposal to initiate an enhanced revision. The Flexible Factory IoT Work Item has led to a Draft Nendica Report, with comment resolution leading to a second draft. The current two-year charter of the IEEE 802 Nendica is set to expire in March 2019. Additional topics may also arise. An Industry Connections Activity can be renewed with a new ICAID. Nendica has produced a 2018 Annual Report as background information <https://mentor.ieee.org/802.1/dcn/18/1-18-0078-02-ICne.ppt> and a Nendica Status Report for ICCom <https://mentor.ieee.org/802.1/dcn/19/1-19-0015-01.pptx> .

Status

A draft ICAID proposing extension to March 2021 was circulated to 802 under the 30-day rule, along with background information.

802.1 Motions
2019-03

Consent Agenda

drafts to Sponsor ballot

Motion

- Conditionally approve sending P802.1AX-Rev D2.0 to Sponsor Ballot
  - Note: there are no CSD for this maintenance project
- P802.1AX-Rev D1.0 had 90% approval at the end of the last WG ballot
- In the WG, Proposed: János Farkas   Second: Jessy Rouyer
  - Sending draft (y/n/a): 44,0,0

- In EC, Mover: John Messenger   Second: David Law
  - (y/n/a): <y>,<n>,<a>

Supporting information P802.1AX-Rev

- WG ballot closed: 10 January 2019
- All WG ballot requirements are met
- The ballot resulted in
  - 2 outstanding Disapprove votes
  - 0 outstanding Must Be satisfied comments
- Comment resolution available here: http://www.ieee802.org/1/files/private/ax-rev-drafts/d1/802-1AX-Rev-d1-0-dis-v02.pdf
- Recirculation ballot will be conducted during March with comment resolution on the TSN TG calls. A possible final recirculation in May if required with comment resolution on the TSN TG calls and during the May Interim if required.

Ballot results:

CATEGORY	All respondents	
	TOTAL	%
Yes	17	90
No	2	10
Voting Yes or No	19	
Abs. Time	4	
Abs. Expertise	12	
Abs. Other	0	
Respondents	35	63
Voting members	56	
Non-voting commenters	0	
No. of commenters	4	
No. of comments	103	
TR	48	
T	13	
ER	11	

Supporting information P802.1AX-Rev

- Voters with outstanding Disapprove votes:
  - Cheng, Weiying
  - Seaman, Michael

- These voters have indicated that they are satisfied with the disposition of their comments, but they would like to see the next draft.

802.1 Motions
2019-03

Consent Agenda

Drafts to RevCom: None!

802.1 Motions
2019-03

Consent Agenda

Liaisons and external communications

Motion

- Approve the press release on IEEE Std 802.1Qcp in http://www.ieee802.org/1/files/public/docs2019/cp-draft-press-release-0319-v01.pdf, to be released with editorial changes as deemed necessary

- In the WG (y/n/a): 41, 0, 1
  - Proposed: Janos Farkas   Second: Jessy Rouyer

- In EC, mover: John Messenger Second: David Law
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve liaison of the following response (to LS 176) to ITU-T SG15
    - http://www.ieee802.org/1/files/public/docs2019/liaison-response-SG15-LS176-data+info-model-0319-v01.pdf
    - Granting the IEEE 802.1 WG chair (or his delegate) editorial license.
    - This approval is under LMSC OM "Procedure for public statements to government bodies"
- In the WG (y/n/a): 41, 0, 0
    - Proposed: Janos Farkas   Second: Jessy Rouyer

- In EC, mover: John Messenger,   Second: David Law
    - (y/n/a): <y>,<n>,<a>

Motion

- Approve liaison of the following comment responses to ISO/IEC JTC1/SC6 under the PSDO agreement:
  - CN.1 on IEEE 802c-2017 (ISO/IEC/IEEE FDIS 8802-A:2015/FDAmd 2)
    - http://www.ieee802.org/1/files/public/docs2019/maint-randall-SC6CommentResponse802c-v03.pdf

- In the WG, Proposed: Paul Congdon   Second: Mick Seaman
  - (y/n/a): 42, 0, 0

- In EC, mover: John Messenger   Second: David Law
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve liaison of the following response to IEEE 1914
  - http://www.ieee802.org/1/files/public/docs2019/liaison-response-1914-Category-A+-0319-v01.pdf

- In the WG (y/n/a): 41, 0, 2
  - Proposed: János Farkas   Second: Jessy Rouyer

- In EC, for information

EEE
802

Motion

- Approve liaison of the following response to CPRI Cooperation
  - http://www.ieee802.org/1/files/public/docs2019/liaison-response-CPRI-Category-Aplus-Requirement-0319-v01.pdf

- In the WG (y/n/a): 39, 0, 1
  - Proposed: János Farkas   Second: Jessy Rouyer

- In EC, for information

EEE
802

Motion

- Approve liaison of the following response to the IETF LSVR WG
  - http://www.ieee802.org/1/files/public/docs2019/liaison-response-IETF-LSVR-Link-State-over-Ethernet-0319-v01.pdf

- In the WG (y/n/a): 39, 0, 2
  - Proposed: Paul Congdon   Second: Mick Seaman

- In EC, for information

Motion

- Approve liaison of the following response to OPC Foundation
    - http://www.ieee802.org/1/files/public/docs2019/liaison-response-OPCF-0319-v01.pdf

- In the WG (y/n/a): 43, 0, 0
    - Proposed: János Farkas
    - Second: Ludwig Winkel

- In EC, for information

EC regular motions

Regular motions Agenda - 1

- External communications (ME)
  - 7.xx eBlast on P802.1DG Automotive Profile for TSN
  - 7.xx PSDO comment responses on 802.1Q-2018
  - 7.xx P802.1AX-Rev to JTC1/SC6 for information under PSDO

- Information Items (II)
  - 7.xx Liaison to IEEE 1722 on MAAP
  - 7.xx Liaise P802.1AS-Rev to ODVA SIG for Distributed Motion and Time Synchronization.
  - 7.xx Liaise P802.1AS-Rev to IEEE1588.

External Communications

IEEE 802

Motion

- Approve the eblast on the P802.1DG project in http://www.ieee802.org/1/files/public/docs2019/dg-draft-cfp-0319-v01.pdf, to be released with editorial changes as deemed necessary

- In the WG (y/n/a): 27, 0, 0
  - Proposed: János Farkas   Second: Craig Gunther

- In EC, mover: John Messenger Second: David Law
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve liaison of the following comment responses to ISO/IEC JTC1/SC6 under the PSDO agreement:
  - CN.1 on IEEE 802.1Q-2018 (revision to ISO/IEC/IEEE 8802-1Q:2016)
    - http://www.ieee802.org/1/files/public/docs2019/maint-randall-SC6Ballotresponse1Q2018-0319-v01.pdf

- In the WG, Proposed: Mick Seaman   Second: Paul Congdon
  - (y/n/a): 41, 0, 0

- In EC, mover: John Messenger   Second: David Law
  - (y/n/a): <y>,<n>,<a>

Information Items (II)

Motion

- Approve sending the following liaison to IEEE 1722
  - https://mentor.ieee.org/omniran/dcn/19/omniran-19-0018-01-00TG-802-1-liaison-to-ieee-1722.docx
  - Granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- In the WG (y/n/a): 40, 0, 0

  - Proposed: Max Riegel   Second: Roger Marks

- In EC, for information

Motion

- Liaise the latest revision of the P802.1AS-Rev draft specification to ODVA SIG for Distributed Motion and Time Synchronization.

- Proposed: Jordon Woods
- Second: Mark Hantel

- In the WG (y/n/a): 37, 0, 0
- In the LMSC: for information

WG motions

MOTION

- 802.1 approves the November 2018 (Plenary) and January 2019 (Interim) minutes:

http://ieee802.org/1/files/public/minutes/2018-11-minutes-v2.pdf

http://ieee802.org/1/files/public/minutes/2019-01-minutes-v2.pdf

Proposed: Jessy Rouyer Seconded: János Farkas

- Approved by Acclamation

MOTION

- 802.1 approves to hold an 802.1 interim session January 20-24, 2020 in Geneva, Switzerland hosted by International Telecommunication Union (ITU), Nokia and IEEE 802.3
  - Proposal in http://ieee802.org/1/files/public/docs2019/admin-ITU-jan-2020-interim-0319-v02.pdf
- 802.1 approves participation in a Joint Workshop with ITU-T SG15 and 802.3 at ITU-T Headquarters, hosted by ITU, Nokia and IEEE 802.3 in Geneva, Switzerland on January 25, 2020
- Proposed: Jessy Rouyer Seconded: János Farkas
- Y: 39 N: 0 A: 1

Maintenance TG motions

Motion

- 802.1 authorizes the Maintenance TG to hold teleconferences on May 14, 2019 and July 9, 2019 at 11:00 AM EST if necessary. Access information will be posted to the 802.1 reflector in advance.

- Proposed: Paul Congdon
- Second: Craig Gunther

- Approved by acclamation

OmniRAN TG motions

Motion

- Approve OmniRAN TG conference calls:
  - Apr 5, 2019, 09:00 AM ET 1.5hr
  - Apr 26, 2019, 09:00 AM ET 1.5hr
  - Further conference calls until the July 2019 plenary with at least 14 days prior notice to the 802.1 mailing list.
  - Agenda proposal and call-in details will be announced at least 14 days prior to the call on the 802.1 mailing list and made available on http://1.ieee802.org/omniran/

- Moved: Max Riegel, Second: Hao Wang

- Result:
- Approved by acclamation
-

Security TG motions

MOTION

- 802.1 authorizes the Security Task Group to hold teleconferences to progress P802E, P802.1X-Rev, PAR development for 802.1AE privacy enhancements, and task group matters arising:
  - Dates/times to be announced subject to notice of at least 10 days to the 802.1 email exploder

- Proposed: Congdon Second: McIntosh
- Approved by acclamation

MOTION

- 802.1 authorizes the May 2019 Interim to generate a PAR and CSD for an amendment to IEEE Std 802.1AE specifying Privacy enhancements for use with MACsec.
- Proposed: Congdon Second: McIntosh
- For: 40   Against: 0   Abstain: 1

MOTION

- 802.1 authorizes the editor of P802E (Recommended Practice for Privacy Considerations for IEEE 802 Technologies), Jerome Henry, to produce drafts for and conduct Working Group balloting.

- Proposed: Congdon Second: McIntosh
- For: 40   Against: 0   Abstain: 1

TSN TG motions

Motion

- 802.1 authorizes the TSN Task Group to hold an Interim meeting in Vienna on July 19, 2019 (i.e., the Friday after the IEEE 802 Plenary session) together with IEC 65C/MT9 to progress the IEC/IEEE 60802 Joint Project.

- Proposed: János Farkas
- Second: Ludwig Winkel

- In the WG (y/n/a): 41, 0, 1

Motion

- 802.1 authorizes Paul Unbehagen, the editor of P802.1Qcj Automatic Attachment to Provider Backbone Bridging (PBB) Services, to prepare drafts for and conduct Working Group balloting.

- Proposed: Paul Unbehagen
- Second: János Farkas

- In the WG (y/n/a): 42, 0, 0

Motion

- 802.1 authorizes Paul Congdon, the editor of P802.1Qcz Bridges and Bridged Networks Amendment: Congestion Isolation, to prepare drafts for and conduct Task Group balloting.

- Proposed: János Farkas
- Second: Rodney Cummings

- In the WG (y/n/a): 40, 0, 1

Motion

- 802.1 authorizes Christophe Mangin, the editor of P802.1CBdb Frame Replication and Elimination for Reliability Amendment: Extended Stream Identification Functions, to prepare drafts for and conduct Task Group balloting.

- Proposed: János Farkas
- Second: Craig Gunther

- In the WG (y/n/a): 40, 0, 0

Motion

- 802.1 authorizes Feng Chen, the editor of P802.1Qdd Bridges and Bridged Networks Amendment: Resource Allocation Protocol, to prepare drafts for and conduct Task Group balloting.

- Proposed: János Farkas
- Second: Ludwig Winkel

- In the WG (y/n/a): 42, 0, 0

Motion

- 802.1 authorizes János Farkas, the editor of P802.1CMde Time-Sensitive Networking for Fronthaul Amendment: Enhancements to Fronthaul Profiles to Support New Fronthaul Interface, Synchronization, and Syntonization Standards, to prepare drafts for and conduct Task Group balloting.

- Proposed: Jessy Rouyer
- Second: Tero Mustala
- In the WG (y/n/a): 42, 0, 1

Motion

- 802.1 authorizes Craig Gunther, the editor of P802.1DG Time-Sensitive Networking Profile for Automotive In-Vehicle Ethernet Communications, to prepare drafts for and conduct Task Group balloting.

- Proposed: János Farkas
- Second: Mike Potts

- In the WG (y/n/a): 43, 0, 0

Motion

- 802.1 authorizes the May 2019 Interim to generate PAR and CSD for pre-circulation to the EC for an amendment to IEEE Std 802.1AB to specify LLDPv2.

- Proposed: Paul Congdon
- Second: Mark Hantel

- In the WG (y/n/a): 42, 0, 0

Motion

- 802.1 authorizes the May 2019 Interim to generate PAR and CSD for pre-circulation to the EC for an amendment to IEEE 802.1Q to specify TSN Configuration Enhancements.

- Proposed: Stephan Kehrer
- Second: János Farkas

- In the WG (y/n/a): 37, 0, 1

Motion

- 802.1 authorizes the TSN Task Group to hold pre-meeting on the Monday morning of the July 2019 Plenary session.

- Proposed: János Farkas
- Second: Craig Gunther

- In the WG (y/n/a): 40, 0, 0

Motion

- 802.1 authorizes the TSN Task Group to hold an Interim meeting on September 23, 2019, to progress the IEEE P802.1 DG Project. The meeting is hosted by General Motors.
  - No registration fee
  - Location: General Motors VEC-East, 30400 Van Dyke, Warren, MI 48093, USA
- Proposed: Michael Potts
- Second: Craig Gunther

- In the WG (y/n/a): 40, 0, 0

Motion

- 802.1 authorizes the TSN Task Group to hold teleconferences weekly on Mondays from 11:00 AM (US-Eastern) to 1:00 PM (US-Eastern).
- Access information is posted on the http://www.ieee802.org/1/tsn page and will be updated as necessary.
- Agenda will be announced on the 802.1 email reflector at least 5 days before the call.

- Proposed: János Farkas
- Second: Craig Gunther

- Approved by acclamation.

Motion

- 802.1 authorizes the TSN Task Group to hold bi-weekly teleconferences together with IEC 65C/MT9 to progress the IEC/IEEE 60802 Joint Project on Mondays from 9:00 AM (US-Eastern) to 11:00 AM (US-Eastern), starting on March 25, 2019.
- Access information is posted on the http://www.ieee802.org/1/tsn page and will be updated as necessary.
- Agenda will be announced on the 802.1 email reflector at least 5 days before the call.

- Proposed: János Farkas
- Second: Ludwig Winkel
- Approved by acclamation.

Motion

- 802.1 authorizes the TSN Task Group to hold bi-weekly teleconferences to progress the P802.1DG project on Tuesdays from 9:00 AM (US-Eastern) to 10:00 AM (US-Eastern) starting on April 2, 2019.
- Access information is posted on the http://www.ieee802.org/1/tsn page and will be updated as necessary.
- Agenda will be announced on the 802.1 email reflector at least 5 days before the call.

- Proposed: Michael Potts
- Second: Craig Gunther
- Approved by acclamation.

YANGsters motion

Motion

- 802.1 authorizes monthly teleconferences for the YANGsters group convening on the last Tuesday of every month from 10:00 AM (US-Eastern) to 11:00 AM (US-Eastern), starting on March 26, 2019.
- Access information is posted on the https://1.ieee802.org/yangsters/yangsters-call-information/ page and will be updated as necessary.
- Agenda will be announced on the 802.1 email reflector at least 5 days before the call.

- Proposed: János Farkas
- Second: Stephan Kehrer

- Approved by acclamation.

Nendica motion

MOTION

- 802.1 Authorizes Nendica to meet in person on May 14, 2019 in Atlanta (at the Wireless interim meeting) and to hold teleconferences on April 10, 2019 (11:00 AM ET), April 18, 2019 (09:00 AM ET), and May 07, 2019 (09:00 AM ET), with additional teleconferences to be announced at least 10 days in advance.
  - Access information is posted on the https://1.ieee802.org/802-nendica page.
  - Agenda will be provided at least 5 days before the call.

- Proposed: Zein Second: Marks
- For_40_Against_0 Abstain_0_

Motion

- Liaise the latest revision of the P802.1AS-Rev draft specification to IEEE 1588 WG.

- Proposed: Rodney Cummings
- Second: Don Pannell

- In the WG (y/n/a): 24, 0, 0
- In the LMSC: for information

Motion

- Approve liaison of the following drafts to ISO/IEC JTC1/SC6 for information under the PSDO agreement at sponsor ballot time:

  - P802.1AX-Rev

- Proposed: Jessy Rouyer
- Second: Janos Farkas

- In the WG (y/n/a): 19, 0, 0
- In the LMSC: for information

Motions – Any others?