802.1 Plenary – November 2019 Waikoloa, Hawaii, USA

Closing Agenda

Glenn Parsons – IEEE 802.1 WG Chair
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http://join.me/ieee802.1

802.1 plenary agenda

Monday opening

- Call for Patents & Copyright
- Participation guidelines
- Administrative
- Membership status
- Future Meetings
- 802 reports
- Elections
- Sanity check – current projects
- Incoming Liaisons
- TG agendas

Thursday closing

- Call for Patents & Copyright
- Participation guidelines
- Membership status
- Future Meetings
- Elections
- 802 reports
- Sanity check – current projects
- TG reports
- Outgoing Liaisons
- Motions for EC
- Motions for 802.1

802.1 plenary schedule

V1

IEEE 802 PLENARY SESSION
Waikoloa, HI, USA
November 10-15, 2019

802.1 tracks and times

Time	SUNDAY	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 & 3: TSN & 60802 / Trk2 SEC	Trk 1: TSN / Trk 3: 60802 / 802 NENDICA	Trk 1 & 3: TSN & 60802
08:30-09:00						
09:00-09:30						
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 2: SEC	Trk 1: TSN / Trk 3: 60802 / Trk 2: SEC	Trk 1: TSN / Trk 3: 60802	Trk 1 & 3: TSN & 60802
11:00-11:30						
11:30-12:00						
12:00-12:30						Lunch
12:30-13:00		Lunch	Lunch (Chairs' Meeting)	Lunch	Lunch	
13:00-13:30						
13:30-14:00		Trk 1: TSN / Trk 2: SEC	Trk 1: TSN / Trk 2: SEC / JTC1 adhoc	Trk 1: TSN / Trk 3: 60802 / Trk 2: SEC	Closing 802.1 plenary	Trk 1 & 3: 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	Break
16:00-16:30		Trk 1: TSN / Trk 2: SEC	Trk 1: TSN / Trk 2: SEC / ITU SC	Trk 1: TSN / Trk 3: 60802 / Trk 2: SEC	Closing 802.1 plenary	Trk 1 & 3: TSN & 60802
16:30-17:00						
17:00-17:30						
17:30-18:00						
18:00-18:30	802.1 TG Chairs meeting	Break	Break	Break	Break	
18:30-19:00			YANGSTERS	Social event		KEY:
19:00-19:30						TSN: Time Sensitive Netw'kg
19:30-20:00	LMSC rules review		802 NENDICA			60802: IEC/IEEE 60802 JP
20:00-20:30						MTN TG: Maintenance TG
20:30-21:00						SEC: Security
21:00-21:30						
21:30-22:00						
22:00-22:30						

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.

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(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

<u>**Slide #1**</u>

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

<u>**Slide #3**</u>

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

Instructions for Chairs of standards development activities

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

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

IEEE SA Copyright Policy

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

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

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

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

IEEE SA Copyright Policy

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

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

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

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

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

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

- All participants in IEEE-SA activities are expected to adhere to the core principles underlying the:
  - IEEE Code of Ethics
  - IEEE Code of Conduct

- The core principles of the IEEE Codes of Ethics & Conduct are to:
  - *Uphold the highest standards of integrity, responsible behavior, and ethical and professional conduct*
  - *Treat people fairly and with respect, to not engage in harassment, discrimination, or retaliation, and to protect people's privacy.*
  - *Avoid injuring others, their property, reputation, or employment by false or malicious action*

- The most recent versions of these Codes are available at http://www.ieee.org/about/corporate/governance

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

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

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

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

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

- The IEEE-SA Standards Board Bylaws (clause 5.2.1.3) specifies that *"the standards development process shall not be dominated by any single interest category, individual, or organization"*

  - This means no participant may exercise *"authority, leadership, or influence by reason of superior leverage, strength, or representation to the exclusion of fair and equitable consideration of other viewpoints"* or *"to hinder the progress of the standards development activity"*

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

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

Decorum

- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (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 : John Messenger
  - Recording Secretary: Jessy Rouyer
  - Security TG Chair: Mick Seaman
    - Security TG Vice Chair: Karen Randall
  - TSN TG Chair: János Farkas
    - TSN TG Vice Chair: Craig Gunther
    - TSN TG Secretary: Marina Gutiérrez
  - IEC/IEEE 60802 Joint Project chair: Ludwig Winkel
    - IEC/IEEE 60802 Joint Project secretary: Josef Dorr
  - Maintenance TG chair: Paul Congdon
  - Nendica chair: Roger Marks
  - YANGsters chair: Scott Mansfield
    - YANGsters vice-chair and secretary: Stephan Kehrer
  - Maintenance of website: Paul Unbehagen
  - Maintenance of Email exploder: Hal Keen & Mark Hantel
- Website
  - http://www.ieee802.org/1/

Affiliation

☐ You must declare your affiliation(s) which includes employer(s)
  - In meetings
    - F2F meeting registration system
    - myProject system for IMAT attendance
    - Conference call (e.g., join.me) participant list
    - First time you speak in a session
  - When balloting
    - 802.1 ballot email responses for TG & WG ballots
    - myProject system for SA ballot

☐ Please keep the information up-to-date

SASB Bylaws 5.1.2.5   SASB OpsMan 5.1.2.3

The following are 802.1 voters (69):

Ademaj, Astrit
Assmann, Ralf
Bierschenk, Jens
Boiger, Christian
Bottorff, Paul
Canchi, Radhakrishna
Chen, Feng
Cheng, Weiying
Congdon, Paul
Cummings, Rodney
Dorr, Josef
Elbakoury, Hesham
Enzinger, Thomas
Farkas, Janos
Fedyk, Donald
Finn, Norman
Garner, Geoffrey
Gunther, Craig
Gutierrez, Marina
Haddock, Stephen
Hantel, Mark
Holness, Marc
Itaya, Satoko
Ito, Yoshihiro

Karl, Michael
Kehrer, Stephan
Kelsey, Randy
Koto, Hajime
Lawlis, James
Mangin, Christophe
Mansfield, Scott
Maruhashi, Kenichi
McCall, David
McMillan, Larry
Messenger, John
Mustala, Tero
Myers, Roy
Nakano, Hiroki
Noseworthy, Bob
Ohsawa, Tomoki
Ohue, Hiroshi
Pannell, Donald R
Parsons, Glenn
Potts, Michael
Proell, Dieter
Qiu, Wei
Randall, Karen
Riegel, Maximilian

Rouyer, Jessy V
Sato, Atsushi
Schewe, Frank
Seaman, Michael
Seewald, Maik
Specht, Johannes
Stanica, Marius
Steindl, Guenter
Traore, Karim
Wang, Xinyuan
Wang, Tongtong
Wang, Hao
Weber, Karl
Weis, Brian
Winkel, Ludwig
Woods, Jordon
Yamaura, Takahiro
Zein, Nader
Zhao, William
Zinner, Helge
Zweck, Harald

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The following became voting members this week:

Canchi, Radhakrishna
McCall, David
Nakano, Hiroki
Noseworthy, Bob
Proell, Dieter
Traore, Karim
Zhao, William

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:

Anderson, Ben
Arokkiam, Jerome
Chang, Xin
Chen, David
Chen, Lihao
Chou, Vincent
DeLaOlivaDelgado, Antonio
Ellegaard, Lars
Fincher, Scott
Gravel, Mark
Gray, Eric W
Harima, Taro

Hasegawa, Akio
Hemmer, David
Hopf, Daniel
Hotta, Yoshifumi
Joung, Jinoo
Katsalis, Kostas
Kim, Ryangsoo
Kondo, Kenji
Kondo, Yoshihisa
Natarajan, Sriram
Osagawa, Daisuke
Osuga, Toru
Petre, Razvan

Sivakolundu, Ramesh
Soeda, Tatsuo
Tarui, Isao
Wamsser, Reiner
Wood, Graeme
Yoo, Hark
Yu, Xiang
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

☐ Jan 20-24, 2020 (workshop Jan 25)
  – Geneva, CH, hosted by 802.3/ITU-T/Nokia

☐ May 18-22, 2020
  – Pasadena, CA, USA hosted by Ethernet Alliance

☐ September 21-25, 2020
  – Stuttgart proposal

☐ 2021 proposals welcome
  – Sept 2021 in York with 802.3
    • Proposed by John Messenger
  – May 2021 in Albuquerque (6 in straw poll) or Santa Fe (18 in straw poll)
    • Proposed by Jordon Woods

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)
  - There is a registration link to get an access badge
  - An ITU account is required

- No designated meeting hotel: You may use
  - The ITU negotiated rates
  - Your company negotiated hotels
  - Your favorite travel website

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Jan 2020:
Workshop with ITU-T SG15

- Joint IEEE 802.1, 802.3 and ITU-T Study Group 15 Workshop Saturday, 25 January 2020. Topics expected to include:
  - New High-Speed and Long-Reach Optical Interfaces (P802.3ct, P802.3cu, P802.3cw, BWA Part II, NEA beyond 400G, Q6/G.698.2, Q11)
  - Passive Optical Networking - PON (P802.3ca, P802.3cp, P802.3cs, Q2/15)
  - 5G Mobile Transport (IEEE 802.1CM, P802.3cx, ITU-T Q2/15, Q11/15, Q12/15, Q13/15)
    - 802.1 champion: Janos Farkas
  - - YANG and data modeling
    - 802.1 champions: Scott Mansfield and Marc Holness
- ITU-T Study Group 15 Plenary Meeting – 27 January-7 February 2020

Future plenaries

- 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

This plenary survey

- Would you like to come back to this venue? (Do you like this venue?)
  - Yes: _35_   No: _21_

- Did you go to the Social?
  - Y – 45 / N - 11
- Did you like the Social?
  - Y – 42 / N - 3

LMSC elections

☐ March 2020

– All 802 leadership positions open

☐ Candidates

– 802 chair will stand for re-election

- appointments may change
  Vice chairs, Secretary, Treasurer, Exec Secretary
- Talk to the 802 chair if you are interested

– 802.1 chair and vice-chair will stand for re-election

- Appointments may change
  executive secretary, marketing, webmaster, etc.
- Talk to the 802.1 chair if you are interested

802 reports

- IETF SC
  - Did not meet
- JTC1 SC
- ITU SC
- 802 Task Force
  - Did not meet

Sanity check – current workload

Project	Short Title	Last Motion	Status	Draft	Next Action
60802	TSN for Industrial Automation	TG Ballot	TG Ballot	D1.1	TG Ballot
802.1ABcu	LLDP YANG	WG Ballot	TG Ballot	D0.6	WG Ballot
802.1ABdh	LLDPv2	NesCom	PAR Approved		EditorsDraft
802.1ACct	Support of 802.15.3	TG Ballot	PAR Approved		TG Ballot
802.1AE-2018/Cor-1	TCI Figure	WG Ballot	WG Ballot	D1.0	SA Ballot
802.1AS-REV	Time synch enhancements	PAR Modification	SA Ballot	D8.3	RevCom
802.1AX-REV	Link Aggregation	SA Ballot Conditional	SA Ballot	D2.1	RevCom
802.1CBcv	FRER YANG & MIB	TG Ballot	EditorsDraft	D0.1	TG Ballot
802.1CBdb	FRER Extended Stream-ID	TG Ballot	TG Ballot	D0.3	TG Ballot
802.1CMde	TSN for Fronthaul - Enhancements	WG Ballot	WG Ballot	D1.2	SA Ballot
802.1CQ	Local Address protocol	TG Ballot	EditorsDraft	D0.3	TG Ballot
802.1CS	LRP	PAR Modification	WG Ballot	D2.4	WG Ballot
802.1DC	QoS for non-bridges	TG Ballot	TG Ballot	D1.1	TG Ballot
802.1DF	TSN Profile for Service Provider Networks	NesCom	PAR Approved		EditorsDraft
802.1DG	TSN Profile for Automotive	TG Ballot	EditorsDraft	D1.1	TG Ballot
802.1Qcj	Auto Attach to PBB	WG Ballot	WG Ballot	D1.1	WG Ballot
802.1Qcr	Asynchronous Traffic Shaping	PAR Modification	WG Ballot	D1.3	SA Ballot
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	WG Ballot	TG Ballot	D0.4	WG Ballot
802.1Qcx	CFM YANG	WG Ballot	WG Ballot	D1.5	SA Ballot
802.1Qcz	Congestion Isolation	TG Ballot	TG Ballot	D0.3	WG Ballot
802.1Qdd	Resource Allocation Protocol	TG Ballot	TG Ballot	D0.1	TG Ballot
802.1Qdj	TSN configuration enhancements	NesCom	ParApproved		EditorsDraft
802.1X-REV	Port-based Network Access Control	SA Ballot	SA Ballot	D1.5	RevCom
802E	Privacy	WG Ballot	WG Ballot	D1.6	SA Ballot
802.1AEdk	MAC Privacy protection	PAR Development	PAR Development		NesCom
802f	EtherType YANG	PAR Development	PAR Development		NesCom

TG reports

- Maintenance
- Security
- YANGsters
- Nendica
- TSN

Maintenance Session Summary

- Updated maintenance sessions slides show detailed progress and status:
  - http://www.ieee802.org/1/files/public/docs2019/maint-congdon-session-1119-v02.pdf

- Progressed 10 maintenance items
  - 4 complete then ballot -> balloting
  - 3 received -> complete then ballot
  - 1 received -> technical experts review
  - 2 new received item (after session)

- Created two liaison responses
  - ITU-T SG15 OTNT - http://www.ieee802.org/1/files/public/docs2019/liaison-response-SG15-OTNT-1119-v01.pdf
  - ITU-T JCA IMT-2020 - http://www.ieee802.org/1/files/public/docs2019/liaison-ITU-T-JCA-IMT-2020-1119-v01.pdf

- Continued discussions on inconsistencies with EPD and LPD – maintenance proposal TBD

ISO/IEC JTC1 SC6 Status

- 30 standards currently PSDO approved
- 4 standards in PSDO adoption process
- 0 standards in PSDO 60-day pre-ballots
- 3 standards queued up to send to PSDO (already approved by WG to send)
- 4 standards to send for information

- Motion for documents sent for information
  - P802.1CMde
- Motion for documents sent for adoption
  - IEEE 802.1AS
  - IEEE 802.1AX

Maintenance Next Steps

- Proposing teleconferences to progress new business:
  - 14th January 2020 at 11am EST
  - 10th March 2020 at 11am EST
- Maintenance TG will meet F2F in Geneva, 21st January 2020

Security TG Report

1. **P802.1X-Rev Port-Based Network Access Control, D1.5 Sponsor recirc ballot resolution**
   - Reviewed and confirmed SA recirculation (100% Approve) ballot responses at:
   http://www.ieee802.org/1/files/private/x-rev-drafts/d1/802-1X-Rev-d1-5-sponsor-recirc-dis.pdf
   Proceeding to RevCom

2. P802.1AE-2018-Cor1
   - Reviewed and confirmed WG ballot results (100% Approve), Disposition of comments is at:
   http://www.ieee802.org/1/files/private/x-rev-drafts/d1/802-1X-Rev-d1-5-sponsor-recirc-dis.pdf
   Proceeding to SA Ballot

3. MACsec Privacy Protection (proposed P802.1AEdk)
   - Responded to PAR comments from 802.11 and 802.3, Responses, updated PAR, unchanged CSD at:
   - http://www.ieee802.org/1/files/public/docs2019/dk-PAR-CSD-comments-1119-v00.pdf
   - http://www.ieee802.org/1/files/public/docs2019/dk-security-mac-privacy-PAR-0919-v03.pdf
   http://www.ieee802.org/1/files/public/docs2019/dk-security-mac-privacy-CSD-0919-v01.pdf
   Proceeding to NesCom
   Continued discussion of YANG modelling, statistics, basic ideas (developing mutual understanding)

4. P802E Privacy (Recommended Practice ... for 802..), D1.6 Working Group recirc resolution
   - Discussed and refined WG recirculation ballot responses, final version is at:
   http://www.ieee802.org/1/files/private/802-e-drafts/d1/802E-d1-6-dis01.pdf
   Ballot passed 97% Approve, 1 outstanding Disapprove
   Worked with IEEE Staff on MEC
   Proceeding to SA ballot

5. A.O.B.
   - None

6. Future meetings/teleconferences
   - Will meet during the January 2020 interim
   - Teleconferences for P802E SA recirculation ballot resolution, P802.1AEdk MACsec Privacy Protection discussion

YANGsters Summary
Meeting #29

- Tuesday 18:00 – 19:00 – Room Kona 2
- IPR Call
- Ethertypes PAR/CSD
  - Issues around PAR/CSD phrasing discussed with the RAC Chair
  - Agreement was found on how to proceed with the PAR/CSD
  - PAR/CSD updated in 802.1 TSN session
- Units
  - Overview over the current state of discussion
  - Discussion on next steps for YANGsters
    - YANGsters page will be updated with guidance for editors on how to name units
    - This will be coordinated with IEEE editorial staff

YANGsters Summary
Meeting #29

- Meta-Data
  - Brief update on the current status
- Discussion on Constraint Checking in YANG
  - Postponed to next e-meeting
- More YANGsters calls motion in Hawaii
  - Discussed and agreed
  - Due to heavy workload YANGsters will ask for weekly e-meetings
- AoB
  - 2 items added to the agenda but postponed to next e-meeting
    - Collective maintenance issue on 802.1Qcp-2018 modules
    - Syntax highlighting

Nendica Summary

- Met Tue, 19:30-22:30 & Thurs 08:00-10:00
- Detailed agenda:
  - http://1.ieee802.org/802-nendica/agenda-ieee-802-nendica-meeting/
- Key meeting outcomes:
  - Agreed on update of procedures
  - Approved of Flexible Factory IoT report, pending confirmation
  - Discussed Study Item: Managed LAN as a Service
  - Lossless Network for Data Centers: possible revision
    - 4 contributions
  - Contributions toward potential new Work Item topics:
    - Deterministic Wireless
    - HPC Ethernet
  - Future meetings
    - Teleconference 2019-12-12, 09:00 ET
    - January meetings
      - 802.1 interim (Geneva)
      - Wireless interim (Irvine) possible

Nendica Work Item Schedule (updated)

Stage	LLDCN	FFIoT	MLaaS
	Lossless Data Center Networks	Flexible Factory IoT	Managed LAN as a Service
Study Item Proposal	-	-	2019-07-18
Study Item initiation	-	-	2019-07-18
Proposed Work Item, submitted to 802.1 WG for confiration	-	-	**2020-02-14?**
Work Item Initiated	-	-	**2020-03-19?**
First Editor's Draft	2017-11-07	2018-01-10	
Final Editor's Draft	2018-02-28	2018-07-12	
Draft Nendica Report	2018-04-11	2018-08-03 2019-03-20 2019-07-17	
Call for Comments	2018-04-13	2018-08-03 2019-07-19	
Call for Comments completed	2018-05-13	2019-08-18	
Draft Nendica Report agreed by Nendica vote	2018-05-24	2019-08-28	
Draft Nendica Report, submitted to 802.1 for confiration		2019-10-31	
Draft Nendica Report, approved by 802.1 WG vote		**2019-11-14?**	
Published Nendica Report	2018-08-17	**2019-11-22?**	

802.1 TSN TG Agenda

V4	IEEE 802 PLENARY SESSION Waikoloa, HI, USA November 11-15, 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		**P802.1AS-Rev**	**MTN**	**Whole TSN IEC/IEEE 60802 JP**	**Trk A: 60802 JP**	**Trk B:** P802.1DG, STSBT	**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**	**P802.1Qcr**	**Trk A: 60802 JP**	**Trk B:** P802.1CS PAR, P802f PAR		
11:00-11:30							
11:30-12:00							
12:00-12:30							Lunch
12:30-13:00		Lunch	Lunch (Chairs' meeting)	Lunch	Lunch		
13:00-13:30							
13:30-14:00		**P802.3cx PAR, P802.1Qcx, liaisons, motions**	**P802.1CS, P802.1ABdh eBlast P802.1CBdb, TSN Domain def**	**Trk A: 60802 JP**	**Trk B:** P802.1DC, P802.1Qdd, P802.1CQ, P802.1CBcv, P802.1Qcz, MCQF for DF, CB issues	**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	Chairs' mtg						
18:00-18:30		**Ad-hoc contrib to IEC/IEEE 60802**	802.24	Break			
18:30-19:00			**YANGsters**	**Social event**			KEY:
19:00-19:30							TSN: Time-Sensitive Ntwking
19:30-20:00			**802 NEND ICA**				60802 JP: IEC/IEEE 60802
20:00-20:30							MTN: Maintenance TG
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 via: http://www.ieee802.org/1/tsn-task-group-agenda

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Liaisons

Incoming Liaisons

☐ TSN

- LNI 4.0 – MSRP enhancement
- LNI 4.0 – Stream reservation
- LNI 4.0 – draft sharing
- ITU-T SG15 – P802.1Qcx modelling

☐ Maintenance

- ITU-T SG15 – OTNT workplan

Draft Sharing Liaisons

▫ Previously approved liaisons that were not sent due to draft sharing issues, and may need updating

▫ Draft sharing requires organizations to be on IEEE-SA approved draft sharing list

▫ Shared drafts require a custom cover page including:

– Name of the Liaison Organization

– Liaison Organization Contact Person

– Group within the Liaison Organization (if applicable)

– Physical address of the Liaison Organization here

– Purpose: Request for comments <u>or</u> Technical coordination

Outgoing Liaison Discussion

☐ Maintenance

- ITU-T SG15 on OTNT Standardization workplan
- ITU-T JCA IMT-2020 on roadmap

☐ TSN

- ITU-T Q14/15 – Coordination on information and data modelling with comments on 802.1Q
- ITU-T SG15 and CPRI Cooperation on Fronthaul Sync Requirements
- ITU-T SG15 on 802.1CMde draft sharing
- eblast on the P802.1ABdh project
- LNI 4.0 on draft sharing
- Avnu alliance on P802.1DG
- AUTOSAR on P802.1DG
- JASPAR on P802.1DG

EC consent agenda motions

802.1 consent agenda items for LMSC Closing Plenary

November 2019, Waikoloa

(V4 – 802.1 version #)

Agenda

- PARs to NesCom
  - 5.xxx P802.1CS PAR Modification to NesCom
  - 5.xxx P802f PAR to NesCom
  - 5.xxx P802.1AEdk PAR to NesCom
- Drafts to SA Ballot
  - 5.xxx 802.1CMde to SA ballot
  - 5.xxx 802.1Qcr to SA ballot
  - 5.xxx 802.1Qcx conditional to SA ballot
  - 5.xxx P802.1AE-2018/Cor-1 to SA ballot
  - 5.xxx 802E to SA ballot
- Drafts to RevCom
  - 5.xxx 802.1AS-REV to RevCom
  - 5.xxx 802.1AX-REV to RevCom
  - 5.xxx 802.1X-REV to RevCom

Agenda (contd…)

- External communications (ME)
  - 7.xxx Approve communication from 802.1 to ITU-T SG15 and CPRI Cooperation on Fronthaul Sync Requirements
  - 7.xxx Approve communication from 802.1 to ITU-T SG15 on 802.1CMde draft sharing
  - 7.xxx Approve communication from 802.1 to ITU-T SG15 on OTNT Standardization workplan
  - 7.xxx Approve communication from 802.1 to ITU-T JCA IMT-2020 on roadmap
  - 7.xxx Approve eblast on the P802.1ABdh project
  - 7.xxx Approve submission of 802.1AS and 802.1AX to ISO/IEC JTC1/SC6 for adoption under the PSDO agreement, once approved and published
  - 7.xxx Approve submission of 802.1CMde to ISO/IEC JTC1/SC6 for information under the PSDO agreement

802.1 Motions
2019-11

Consent Agenda

NesCom

Motion

- Approve forwarding P802.1CS PAR modification in http://www.ieee802.org/1/files/public/docs2019/cs-PAR-modification-0919-v01.pdf to NesCom

- Approve (unmodified) CSD documentation in https://mentor.ieee.org/802-ec/dcn/16/ec-16-0215-00-ACSD-802-1cs.pdf

- In the WG, Proposed: Norman Finn, Second: Steve Haddock
  - PAR (y/n/a): 38, 0, 2
  - CSD (y/n/a): 40, 0, 0

- In EC, mover: Glenn Parsons, Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve forwarding P802f PAR documentation in http://www.ieee802.org/1/files/public/docs2019/802f-PAR-1119-v01.pdf to NesCom

- Approve CSD documentation in http://www.ieee802.org/1/files/public/docs2019/802f-CSD-1119-v01.pdf

- In the WG, Proposed: Stephan Kehrer, Second: Mick Seaman
  - PAR (y/n/a): 41, 0, 2
  - CSD (y/n/a): 41, 0, 1

- In EC, mover: Glenn Parsons, Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

MOTION

- Approve forwarding P802.1AEdk PAR documentation in
  http://www.ieee802.org/1/files/public/docs2019/dk-security-mac-privacy-PAR-0919-v03.pdf
  to NesCom

- Approve CSD documentation in
  http://www.ieee802.org/1/files/public/docs2019/dk-security-mac-privacy-CSD-0919-v01.pdf

- In the WG, Proposed: Mick Seaman Second: Don Fedyk
  - PAR (y/n/a): 42, 0, 2
  - CSD (y/n/a): 42, 0, 0

- In the EC, mover: Glenn Parsons Second: Roger Marks
  - (y/n/a): <y> , <n> , <a>

802.1 Motions
2019-11

Consent Agenda

drafts to SA ballot

Motion

- Approve sending P802.1CMde D2.0 to Standards Association ballot
- Confirm the CSD for P802.1CMde in https://mentor.ieee.org/802-ec/dcn/18/ec-18-0240-00-ACSD-p802-1cmde.pdf

- In the WG, Proposed: János Farkas,   Second: Jessy Rouyer
  - Sending draft (y/n/a): 43, 0, 1
  - CSD (y/n/a): 45, 0, 0
- In EC, mover: Glenn Parsons, Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

Supporting information P802.1CMde

- WG ballot closed: 7 September 2019
- All WG ballot requirements are met
- 100% approval
- No comments
- Ballot results are available here: http://www.ieee802.org/1/files/private/de-drafts/d1/802-1CMde-d1-2-dis-v02.pdf

Ballot results:

CATEGORY	All respondents	
	TOTAL	%
Yes	30	100
No	0	0
Voting Yes or No	30	100
Abs. Time	0	
Abs. Expertise	20	
Abs. Other	0	
Respondents	50	81
Voting members	62	
Non-voting commenters	0	
No. of commenters	0	
No. of comments	0	
TR	0	
T	0	
ER	0	

Motion

- Approve sending P802.1Qcr D2.0 to Standards Association ballot
- Confirm the CSD for P802.1Qcr in https://mentor.ieee.org/802-ec/dcn/16/ec-16-0056-00-ACSD-802-1qcr.pdf

- In the WG, Proposed: Mike Potts   Second: Craig Gunther
  - Sending draft (y/n/a): 42, 0, 2
  - CSD (y/n/a): 45, 0, 1
- In EC, mover: Glenn Parsons, Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

Supporting information P802.1Qcr

- WG ballot closed: 4 November 2019
- All WG ballot requirements are met
- The ballot resulted in
  - 0 outstanding Disapprove votes
  - 0 outstanding Must Be satisfied comments
- Ballot results are available here: http://www.ieee802.org/1/files/private/cr-drafts/d1/802-1Qcr-d1-3-dis-v02.pdf

Ballot results:

CATEGORY	All respondents	
	TOTAL	%
Yes	40	100.00%[a]
No	0	0.00%
Voting Yes or No	40	83.00%
Abs. Time	1	2.08%
Abs. Expertise	7	14.58%
Abs. Other	0	0.0%
Respondents	48	80.00%[b]
Voting members	60	
Non-voting commenters	0	
No. of commenters	4	
No. of comments	24	

Motion

- Conditionally approve sending P802.1Qcx D2.0 to Standards Association ballot
- Confirm the CSD for P802.1Qcx in https://mentor.ieee.org/802-ec/dcn/17/ec-17-0159-00-ACSD-802-1qcx.pdf

- In the WG, Proposed: John Messenger   Second: Jessy Rouyer
  - Sending draft (y/n/a): 45, 0, 3
  - CSD (y/n/a): 47, 0, 1
- In EC, mover: Glenn Parsons, Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

Supporting information P802.1Qcx

- WG ballot closed: 25 October 2019
- All WG ballot requirements are met
- The ballot resulted in
  - 1 outstanding Disapprove votes
  - 1 outstanding Must Be Satisfied (MBS) comments
- Comment resolution available here: http://www.ieee802.org/1/files/private/cx-drafts/d1/802-1Qcx-d1-5-dis-v02.pdf
- Recirculation ballot will be conducted during November/December with comment resolution on the TSN TG calls. A possible final recirculation in December/January if required with comment resolution on the January Interim.

Ballot results:

CATEGORY	All respondents	
	TOTAL	%
Yes	26	96.3%
No	1	3.7%
Voting Yes or No	27	
Abs. Time	5	
Abs. Expertise	21	
Abs. Other	4	
Voting Members	57	
Respondents (Voting)	48	84.2%
Respondents (non-Voting)	9	
Liaisons responding		
No. of commenters	2	
No. of comments	4	
T	0	0.0%
TR	1	25.0%
E/ER	3	75.0%

Supporting information P802.1Qcx

- Voters with outstanding Disapprove votes with outstanding MBS comment:
  - Christian Boiger

Supporting information P802.1Qcx

Outstanding Must Be Satisfied Comments

CI **48**   *SC* **48.5**   *P* **13**   *L* **54**   # 1

Boiger, Christian   b-plus GmbH

Comment Type   **ER**   *Comment Status* **A**

The way the "Insert" instruction is used in this document seems to be inappropriate. For example in subclause 48.5 the instruction "Insert the contents of subclause 48.6.1" is used. The text itself is not shown. There is a subclause 48.6.1 in the document. It says, "Insert the contents of 48.6.3.1 (Definition for the ieee802-types YANG module)" with no additional text. There is no subclause 48.6.3.1 in the document.

I assume that it is intended to say that the referenced subclause of the current 802.1Q standard is inserted in these places. Even with a reference to .1Q this seems to be inappropriate. There are 7 "Insert the contents of" instructions.

SuggestedRemedy

Do not use the "Insert the contents of" instructions. Insert the text in the document.

Response   *Response Status* **U**

ACCEPT IN PRINCIPLE.
1) Change editorial instructions of form "Insert the contents of <clause> Definition for the <yang module> YANG module)" to "Insert the contents of <clause> Definition for the <yang module> YANG module) from IEEE Std 802.1Qcp-2018"
2) Add a normative reference (clause 2) to IEEE 802.1Qcp-2018
The changes are applicable to unmodified YANG source listings and unmodified YANG ASCII trees from 802.1Qcp-2018

Note for the record:
This approach has been confirmed by the IEEE editorial staff (Catherine Berger) to be appropriate.

EEE 802

MOTION

- Approve sending P802.1AE-2018-Cor1-D1.0 to Standards Association Ballot

  [Maintenance PAR, no CSD]

  - IEEE Std 802.1AE-2018 Media Access Control (MAC) Security

- In the WG, Proposed: Mick Seaman Second: Don Fedyk

  - Sending draft (y/n/a): 48 , 0 , 1

- In the EC, mover: Glenn Parsons Second: Roger Marks

  - (y/n/a): <y> , <n> , <a>

Supporting information P802.1AE-2018-Cor1

- ## WG ballot closed:
  19 September 2019

Ballot results		
Category	Total	Percentage
Yes	37	100
No	0	0
Abstain	11	
No. of Voters	64	
Voters responding	48	75

- ## Ballot result:
  - 0 outstanding Disapprove votes
  - 0 outstanding Must Be Satisfied comments

- ## Disposition is available here:
  http://www.ieee802.org/1/files/private/ae-2018-cor-1-drafts/d1/802-1AE-2018-Cor1-d1-0-dis.pdf

MOTION

- Approve sending P802E-D1.6 to Standards Association Ballot
  - P802E Recommended Practice for Privacy Considerations for IEEE 802 Technologies
- Confirm the CSD for P802E in
  https://mentor.ieee.org/privecsg/dcn/15/privecsg-15-0029-00-0000-privacy-ec-sg-csd-proposal.docx

- In the WG, Proposed: Mick Seaman Second: Don Fedyk
  - Sending draft (y/n/a):   42   , 0   , 5
  - CSD: 40, 0, 6

- In the EC, mover: Glenn Parsons Second: Roger Marks
  - (y/n/a): <y> , <n>   , <a>

Supporting information P802E

- WG ballot recirc closed: 3 September 2019

- The ballot resulted in
  - 1 Disapprove votes Max Riegel
  - 4 Must Be Satisfied comments

- Ballot response details available here

    http://www.ieee802.org/1/files/private/802-e-drafts/d1/802E-d1-6-dis.pdf

Ballot results		
Category	Total	Percentage
Yes (all voters)	30	97 % Approval
No (all voters)	1	0
No. of 802.1 Voters	60	
802.1 Voters responding	42	70 % Participation

Supporting information P802E
Outstanding Must Be Satisfied Comments

CI **Content** SC **Contents**   P **17**   L **5**   # 392

Riegel, Maximilien   Nokia

Comment Type **TR**   Comment Status **R**

The scope of the document states that the document specifies a privacy threat model for IEEE 802 technologies and provides recommendations on how to protect against privacy threats.
While the second part of the scope can easily be determined in the ToC, it is completely unclear where the document provides the privacy threat model.

SuggestedRemedy

Insert a level-1 headline 'Privacy threat model' pointing to the related content in the document.

Response   Response Status **C**

REJECT.
The group discussed this issue numerous times, and concluded that the recommended practice describes throughout a threat model and recommended remediation practices. The threat model is not a single (level 1 or other) component. The details on how the threat model is exposed in the recommended practice was clarified and expanded in clause 1.3 upon the same previous comment from the same commenter.

CI **6**   SC **6**   P **28**   L **12**   # 395

Riegel, Maximilien   Nokia

Comment Type **TR**   Comment Status **R**

The statement indicates that information security would only target integrity and confidentiality missing the aspects of availability and non-repudiation.

SuggestedRemedy

Amend sentence also mentioning availability and non-repudiation.

Response   Response Status **C**

REJECT.
The group discussed this issue at length, and concluded that this sentence aimed at providing a reminder about general security concepts (and highlight that they were not always sufficient to endure privacy), not to provide a full overview of 802 security. Previous version that included additional details and qualifiers were found confusing by many readers, and the group found that a better approach was to limit the reminder to integrity and encryption.

Supporting information P802E
Outstanding Must Be Satisfied Comments

CI **3**   SC **3**   P **24**   L **31**   # 393

Riegel, Maximilien   Nokia

Comment Type **TR**   Comment Status **R**

In the scope of IEEE 802, a personal device not necessarily allows for identification of a particular user or group. If the recommendation provides sound recommendations, the identity of a person or group is undistinguishable from an IEEE 802 perspective.

SuggestedRemedy

Remove second part of definition starting from ", such that identification of ..."

Response   Response Status **C**

REJECT.
IEEE Std802.1AR-2018 is the only standard defining a personal device, with the definition: A device used by an individual or a small group of people, such that identification of the device or its network activity implies the location or activity of that individual or a group member.
In the context of this recommended practice, the issue is not only location or activity, but association with the user. In general, the size of the group is not relevant, what matters is the possibility to correlate with a user.

CI **4**   SC **4**   P **26**   L **3**   # 394

Riegel, Maximilien   Nokia

Comment Type **TR**   Comment Status **R**

The term access point (AP) is used in IEEE 802 not only in IEEE Std 802.11, but also in specifications of IEEE 802.15.

SuggestedRemedy

Remove (IEEE Std 802.11 Wireless)

Response   Response Status **C**

REJECT.
802.15 always uses qualifiers (e.g. service access point) and not 'AP' as a standalone term, so AP in this context is 802.11-centric. Additionally, the examples provided in the recommended practice where the acronym is used apply to 802.11, but not to 802.15.

802.1 Motions
2019-11

Consent Agenda

Drafts to RevCom

EEE
802

Motion

- Approve sending P802.1AX-Rev to RevCom
  - Note: there are no CSD for this maintenance project

- P802.1AX-Rev D2.1 had 100% approval at the end of the last Standards Association recirculation ballot

- In the WG, Proposed: János Farkas,   Second: Steve Haddock
  - Sending draft (y/n/a): 48, 0, 1

- In EC, Mover: Glenn Parsons,   Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

Supporting information P802.1AX-Rev

- Standards Association ballot closed: 2 September 2019
- Ballot result:
  - 100% approval
  - No comments

- Disposition is available here: http://www.ieee802.org/1/files/private/ax-rev-drafts/d2/802-1AX-Rev-d2-0-dis-v02.pdf

Ballot results:

Recirculation #1 Initial Ballot

Ballot Open Date:	23-Aug-2019
Ballot Close Date:	02-Sep-2019
Type:	Revision
Draft #:	2.1
Ballots Received:	8
Vote Changes:	3

RESPONSE RATE

This ballot has met the 75% returned ballot requirement.

96 eligible people in this ballot group.

- 74 affirmative votes
- 0 total negative votes with comments
- 0 negative votes with new comments
- 1 negative votes without comments
- 5 abstention votes: (Lack of expertise: 2, Lack of time: 2, Other: 1)

80 votes received = 83% returned

6% abstention

APPROVAL RATE

The 75% affirmation requirement is being met.

- 74 affirmative votes
- 0 negative votes with comments

74 votes = 100% affirmative

Motion

- Approve sending P802.1AS-Rev to RevCom
- Approve CSD documentation in https://mentor.ieee.org/802-ec/dcn/18/ec-18-0243-00-ACSD-p802-1as.pdf

- P802.1AS-Rev D8.3 had 100% approval at the end of the last Standards Association recirculation ballot

- In the WG, Proposed: Geoff Garner, Second: János Farkas
  - Sending draft (y/n/a): 48, 0, 1
  - CSD (y/n/a): 47, 0 , 1

- In EC, mover: Glenn Parsons,   Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

Supporting information P802.1AS-Rev

- Sponsor ballot closed: 1 November 2019
- Ballot result after ballot comment resolution:
  - 0 outstanding Disapprove votes
  - 0 outstanding Must Be Satisfied (MBS) comments
- Disposition is available here: http://www.ieee802.org/1/files/private/as-rev-drafts/d8/802-1AS-Rev-d8-3-dis-v00.pdf

Ballot results:

Recirculation #2 Recirculation #1 Initial Ballot

Ballot Open Date:	09-Oct-2019
Ballot Close Date:	01-Nov-2019
Type:	Revision
Draft #:	8.3
Ballots Received:	5
Vote Changes:	4
Comments:	1

RESPONSE RATE

This ballot has met the 75% returned ballot requirement.

162 eligible people in this ballot group.

122 affirmative votes

0 total negative votes with comments

0 negative votes with new comments

0 negative votes without comments

7 abstention votes: (Lack of expertise: 2, Lack of time: 4, Other: 1)

129 votes received = 79% returned

5% abstention

MOTION

- ## Approve sending P802.1X-Rev-D1.5 to RevCom
  [Maintenance PAR, no CSD]
    - IEEE Std 802.1X Port-Based Network Access Control

- ## P802.1X-Rev-D1.5 had 100% approval at the end of the last Standards Association recirculation ballot

- ## In the WG, Proposed: Mick Seaman Second: Don Fedyk
    - ### Sending draft (y/n/a): 46 , 0   , 2

- ## In the EC, mover: Glenn Parsons Second: Roger Marks
    - ### (y/n/a): <y>, <n>, <a>

Supporting information P802.1X-Rev

- **Ballot closed:**
  20 October 2019

- **Ballot result:**
  - 0 outstanding Disapprove votes
  - 0 outstanding Must Be Satisfied comments

Recirculation #1 Initial Ballot
Ballot Open Date: 10-Oct-2019
Ballot Close Date: 20-Oct-2019
Type: Revision
Draft #: 1.5
Ballots Received: 3
Vote Changes: 2
Comments: 3

RESPONSE RATE
This ballot has met the 75% returned ballot requirement.

88 eligible people in this ballot group.

72 affirmative votes
0 total negative votes with comments
0 negative votes with new comments
0 negative votes without comments
3 abstention votes: (Lack of expertise: 2, Other: 1)
=====
75 votes received = 85% returned
4% abstention

APPROVAL RATE
The 75% affirmation requirement is being met.
72 affirmative votes
0 negative votes with comments
=====
72 votes = 100% affirmative

- **Disposition is available here:**

http://www.ieee802.org/1/files/private/x-rev-drafts/d1/802-1X-Rev-d1-5-sponsor-recirc-dis.pdf

EEE 802

802.1 Motions
2019-11

Consent Agenda

Liaisons and external communications

Motion

- Approve
  http://www.ieee802.org/1/files/public/docs2019/liaison-response-SG15-LS187-clarifications-on-fronthaul-sync-requirements-1119-v01.pdf as communication to ITU-T SG15 and CPRI Cooperation, 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): 44, 0, 2
  - Proposed: János Farkas,   Second: Jessy Rouyer

- In EC, mover: Glenn Parsons, Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve
  http://www.ieee802.org/1/files/public/docs2019/liaison-response-SG15-LS187-CMde-draft-sharing-1119-v01.pdf
  as communication to ITU-T SG15, 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): 43, 0 , 2
  - Proposed: János Farkas,   Second: Jessy Rouyer

- In EC, mover: Glenn Parsons, Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve
  http://ieee802.org/1/files/public/docs2019/liaison-response-SG15-OTNT-1119-v01.pdf as communication to ITU-T SG15 on OTNT Standardization workplan, 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, Proposed: Paul Congdon   Second: János Farkas
  - Sending draft (y/n/a): 45, 0, 3

- In EC, mover: Glenn Parsons   Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve http://ieee802.org/1/files/public/docs2019/liaison-ITU-T-JCA-IMT-2020-1119-v01.pdf as communication to ITU-T JCA IMT-2020, 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, Proposed: Paul Congdon   Second: János Farkas
  - Sending draft (y/n/a): 45, 0, 1

- In EC, mover: Glenn Parsons   Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve the eblast on the P802.1ABdh project in http://ieee802.org/1/files/public/docs2019/dh-draft-cfp-1119-v01.pdf , to be released with editorial changes as deemed necessary

- In the WG (y/n/a):   45, 0, 1

- Proposed: Craig Gunther   Second: János Farkas

- In EC, mover: Glenn Parsons   Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve submission of the following standard(s) to ISO/IEC JTC1/SC6 for adoption under the PSDO agreement, once approved and published.
  - IEEE 802.1AS
  - IEEE 802.1AX

- In the WG, Proposed: Paul Congdon   Second: János Farkas
  - Sending draft (y/n/a): 46, 0, 1

- In EC, mover: Glenn Parsons   Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

EEE
802

Motion

- Approve submission of the following draft(s) to ISO/IEC JTC1/SC6 for information under the PSDO agreement
    - P802.1CMde

- In the WG, Proposed: Paul Congdon   Second: János Farkas
    - Sending draft (y/n/a): 46, 0, 1

- In EC, mover: Glenn Parsons   Second: Roger Marks
    - (y/n/a): <y>,<n>,<a>

EEE
802

EC regular agenda motions

802.1 Motions for LMSC agenda, including supporting material

Closing IEEE 802 LMSC
November 2019, Waikoloa

V1 (internal version #)

Agenda

- External communications (ME)
  - 7.xxx Approve communication from 802.1 to ITU-T SG15 on YANG

EEE
802

External Communications (ME)

EEE
802

Motion

- Approve http://www.ieee802.org/1/files/public/docs2019/liaison-response-SG15-LS217-modelling-1119-v01.pdf as communication to ITU-T SG15, 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): 47, 0, 0
  - Proposed: Norm Finn,   Second: Karl Weber

- In EC, mover: Glenn Parsons, Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

802.1 Internal motions

Motion

- 802.1 approves the July 2019 (Plenary) and September 2019 (Interims) minutes:
  - http://www.ieee802.org/1/files/public/minutes/2019-07-minutes-v2.pdf
  - http://www.ieee802.org/1/files/public/minutes/2019-09-minutes-v2.pdf
  - http://www.ieee802.org/1/files/public/minutes/2019-09-23-TSN-minutes-v1.pdf
- Proposed: Jessy Rouyer
- Seconded: Marina Gutiérrez
- Approved by Acclamation

Motion

- 802.1 approves the IEC/IEEE 60802 Joint Project minutes for March 2019 (Plenary), May 2019 (Interim), July 2019 (Plenary) and September 2019 (Interim):
    - http://www.ieee802.org/1/files/public/60802/2019-03-60802-minutes-v1.pdf
    - http://www.ieee802.org/1/files/public/60802/2019-05-60802-meeting-v1.pdf
    - http://www.ieee802.org/1/files/public/60802/2019-07-60802-meeting-v1.pdf
    - http://www.ieee802.org/1/files/public/60802/2019-09-60802-meeting-v2.pdf
- Proposed: Jessy Rouyer   Seconded: János Farkas
- Approved by Acclamation

Motion

- 802.1 approves to hold an 802.1 interim session September 21-25, 2020 in Stuttgart, Germany hosted by Hirschmann Automation and Control GmbH
- Proposal in http://www.ieee802.org/1/files/public/docs2019/admin-kehrer-sep2020-interim-proposal-1119-v01.pdf
- Proposed: Stephan Kehrer Seconded: Jessy Rouyer
- Yes: 43 No: 0 Abstain: 3

Nendica motions

Motion

- 802.1 confirms the approval of "Flexible Factory IoT: Use Cases and Communication Requirements for Wired and Wireless Bridged Networks" ([802.1.19-0026-03-ICne](#)) as a Nendica Report.

- *Upon approval it will be processed by IEEE-SA editorial staff for publication, subject to editorial revision.*

- Moved: Roger Marks
- Second: Nader Zein

- Motion Withdrawn

Maintenance TG motions

Motion

- 802.1 authorizes the Maintenance TG to hold teleconferences on 14th January 2020 and 10th March 2020 at 11am EST if necessary. Access information will be posted to the 802.1 reflector in advance.

- Proposed: Paul Congdon
- Second: Jessy Rouyer

- Approved by acclamation

Security TG motions

MOTION

- Authorize the editor of P802.1AEdk, Don Fedyk, to prepare drafts for Task Group balloting following approval of the PAR

- Proposed: Mick Seaman Second: Randy Kelsey
- For: 45   Against: 0   Abstain: 1

MOTION

- Authorize the Security Task Group to hold teleconferences to progress P802E, P802.1AEdk MACsec Privacy Protection 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: Mick Seaman Second: Don Fedyk
- Approve by acclamation

TSN TG motions

Motion

- 802.1 authorizes Scott Fincher, the Editor of P802.1Qcj Bridges and Bridged Networks — Amendment: Automatic Attachment to Provider Bridged Networks to prepare drafts for and conduct Working Group balloting.

- Proposed: János Farkas
- Second: Craig Gunther

- In the WG (y/n/a):   45, 0, 1

Motion

- 802.1 authorizes Norman Finn, the Editor of P802.1DC *QoS Provision by Network Systems* to prepare drafts for and conduct Working Group balloting.

- Proposed: Norm Finn
- Second: Ludwig Winkel

- In the WG (y/n/a): 20, 6, 20
- Motion passes

Motion

- 802.1 authorizes Stephan Kehrer, the Editor of P802.1Qdj Bridges and Bridged Networks Amendment: Configuration Enhancements for Time-Sensitive Networking to prepare drafts for and conduct Task Group balloting.

- Proposed: János Farkas
- Second: Craig Gunther

- In the WG (y/n/a): 44, 0, 3

Motion

- 802.1 authorizes the January 2020 Interim to generate PAR and CSD for pre-circulation to the EC for an amendment to IEEE 802.1AS to specify hot standby redundancy.

- Proposed: Rodney Cummings
- Second: János Farkas

- In the WG (y/n/a):   45, 0, 2

Motion

- 802.1 authorizes the January 2020 Interim to generate PAR and CSD for pre-circulation to the EC for an amendment to IEEE 802.1Q to add specification in support of the configuration for Scheduling of Time-Sensitive and Bursty Traffic (STSBT) operation.

- Proposed: Nader Zein
- Second: Kenichi Maruhashi

- In the WG (y/n/a): 12, 22, 9
- Motion fails

Motion

- 802.1 authorizes the TSN Task Group to hold pre-meeting on the Monday morning of the March 2020 Plenary session.

- Proposed: János Farkas
- Second: Don Pannell

- Approve by acclamation

Motion

- 802.1 authorizes the TSN Task Group to hold an Interim meeting on March 20, 2020 (i.e., the Friday after the IEEE 802.1 Closing Plenary) together with IEC 65C/WG9 to progress the IEC/IEEE 60802 Joint Project and other TSN TG work.

- Proposed: János Farkas
- Second: Ludwig Winkel

- Approve by acclamation

Motion

- 802.1 authorizes the TSN Task Group to hold teleconferences weekly on Mondays from 11AM (US-Eastern) to 1PM (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: Mark Hantel

- Approve 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 9AM (US-Eastern) to 11AM (US-Eastern); starting with November 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
- Approve by acclamation

Motion

- 802.1 authorizes the TSN Task Group to hold bi-weekly teleconferences to progress the P802.1DG project on Tuesdays from 9AM (US-Eastern) to 10AM (US-Eastern) starting with November 26, 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: Don Pannell
- Second: János Farkas
- Approve by acclamation
-

Motion

- 802.1 authorizes weekly teleconferences for the YANGsters group on Tuesdays from 10AM (US-Eastern) to 11AM (US-Eastern).

- Access information is posted on the https://1.ieee802.org/yangsters/yangsters-call-information/ page and will be updated as necessary.

- Proposed: Stephan Kehrer
- Second: János Farkas

- Approve by acclamation

Motion

- Approve http://www.ieee802.org/1/files/public/docs2019/liaison-Avnu-Automotive-1119-v01.pdf as communication to Avnu Alliance, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- Proposed: Mike Potts
- Second: János Farkas

- In the WG (y/n/a): 39, 0, 2

Motion

- Approve http://www.ieee802.org/1/files/public/docs2019/liaison-AUTOSAR-1119-v01.pdf as communication to AUTOSAR, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- Proposed: Don Pannell
- Second: János Farkas

- In the WG (y/n/a): 38, 0, 2

Motion

- Approve http://www.ieee802.org/1/files/public/docs2019/liaison-JASPAR-1119-v01.pdf as communication to JASPAR, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- Proposed: Mike Potts
- Second: János Farkas

- In the WG (y/n/a): 38, 0, 2

Motion

- Approve
  http://www.ieee802.org/1/files/public/docs2019/liaison-response-LNI-4-0-draft-sharing-1119-v01.pdf
  as communication to LNI 4.0, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- Proposed: Josef Dorr
- Second: Jordon Woods

- In the WG (y/n/a): 37, 0, 3

Any other business?

MOTION

- Authorize Nendica to hold teleconferences to progress work items and matters arising:

  - Dates/times to be announced subject to notice of at least 10 days to the 802.1 email exploder and website

- Proposed: Roger Marks Second: Don Pannell

- Approve by acclamation