

802.1 Plenary – July 2018

San Diego, CA, USA

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
- 802.11aq/RAC issue
- 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 shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
- Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

**Early identification of holders of potential
Essential Patent Claims is encouraged**

Ways to inform IEEE

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

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

Other guidelines for IEEE WG meetings

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

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 Secretary: Craig Gunther
- IEC/IEEE 60802 Joint Project chair: Ludwig Winkel
 - IEC/IEEE 60802 Joint Project secretary: Josef Dorr
- OmniRAN TG Chair: Max Riegel
- Acting Maintenance TG chair: Paul Congdon
- NEND ICA chair: Roger Marks
- Maintenance of website: Paul Unbehagen
- Maintenance of Email exploder: Hal Keen (**volunteer needed**)

□ Website

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

The following are 802.1 voters (56):

Assmann, Ralf	Haddock, Stephen	Riegel, Maximilian
Bao, Shenghua	Hantel, Mark	Rouyer, Jessy
Bierschenk, Jens	Holness, Marc	Sato, Atsushi
Bjornstad, Steinar	Kabra, Lokesh	Schewe, Frank
Boiger, Christian	Karl, Michael	Seaman, Michael
Bottorff, Paul	Kehrer, Stephan	Specht, Johannes
Canchi, Radhakrishna	KOTO, Hajime	Thaler, Patricia
Chen, David	Mangin, Christophe	Unbehagen, Paul
Chen, Feng	Mansfield, Scott	Wang, Xinyuan
Cheng, Weiying	McIntosh, James	Wang, Tongtong
Congdon, Paul	Messenger, John	Wang, Hao
Cummings, Rodney	Mustala, Tero	Weber, Karl
Elbakoury, Hesham	Ohsawa, Tomoki	Weis, Brian
Farkas, Janos	Pannell, Donald R	Winkel, Ludwig
Finn, Norman	Parsons, Glenn	Woods, Jordon
Garner, Geoffrey	Pienciak, Walter	Yamaura, Takahiro
Gray, Eric	Potts, Michael	YU, XIANG
Gunther, Craig	QIU, WEI	Zein, Nader
Gutierrez, Marina	Randall, Karen	

The following became voting
members this week:

Winkel, Ludwig

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

Bechtel, Gordon
DeLaOlivaDelgado,
Antonio
Ellegard, Lars
Fang, Yonggang
Fontaine, Mickael
Geilhardt, Frank
Gravel, Mark
Harima, Taro
Hasegawa, Akio
Hotta, Yoshifumi
Hung, Soar

Itaya, Satoko
Kojima, Fumihide
Maruhashi, Kenichi
Ohue, Hiroshi
Osagawa, Daisuke
Shen, Li
Sun, Wenhao
Tarui, Isao
Ting, Ao
Yin, Yue

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

Schewe, Frank

The following have requested to
move to observer status:

None

802.11 Reciprocal credit

- 802.1 voters may get credit for attending any 802.11
- 802.1 voting members who are also 802.11 voting members may get a popup in IMAT each time they register attendance to ask which group they are accumulating credit for this plenary.
- 802.1 attendance credit will not be granted from a voter who attended only 802.11 meetings.

802.1 website update

- WordPress on IEEE server
 - <http://1.ieee802.org>
 - Paul Unbehagen is leading, other volunteers welcome
- Phase I - now
 - consolidate all current web pages/servers
 - distribute page change control to TG chairs and project editors
- Phase II – 2018-2019
 - move document storage to (new) Mentor
- This week
 - TG chairs and editors met to plan updates

Future interim meetings

- July 24-26, 2018
 - IEC/IEEE 60802 Joint Project interim hosted by DKE in Frankfurt am Main, Germany
- September 10-14, 2018
 - [Transpacket](#) in Oslo, Norway
- Jan 14-18, 2019
 - [FFPA](#) in Hiroshima, Japan
- May 20-24, 2019
 - [Ethernet Alliance](#) in North America
- Sept 2019
 - Potential ADVA Optical Networking proposal
- Jan 2020
 - Geneva?
- May 2020
 - Ethernet Alliance [proposal](#)

This plenary

- Do you like this venue?
 - Yes: 54_ No: _0_
- Did you like the social?
 - Yes: _33 No: _18
- Did you go to the social?
 - Yes: _51 No: _12

Future plenaries

- November 12-16, 2018 – Bangkok, Thailand
 - Marriott Marquis Queen's Park
- March 10-15, 2019 – Vancouver, BC, Canada
 - Hyatt Regency Vancouver and Fairmont Hotel Vancouver
- 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 Centre Montreal
- November 8-13, 2020 – Bangkok, Thailand
 - Marriott Marquis Queen's Park

Sanity check – current workload

Project	Subject	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1Qcc	SRP enhancements & performance improvements	RevCom conditional	Approved - Jun 14	D2.3	Publication	Dec '19
802.1CF	Access network (OmniRAN)	WG ballot	WG ballot	D2.1	Sponsor Ballot and PAR extension	Dec '18
802.1AS-REV	Time synch enhancements	PAR modification	WG ballot	D7.0	Sponsor Ballot (conditional)	Dec '19
802.1Qcj	Auto Attach to PBB	TG Ballot	TG Ballot	D0.2	WG ballot	Dec '19
802.1Xck	802.1X YANG data model	Sponsor Ballot	Sponsor Ballot	D2.2	RevCom conditional	Dec '19
802.1CM	Profile for Fronthaul	RevCom conditional	Published - Jun 8	D2.2		Dec '19
802.1Qcy	EVb VDP extension	Sponsor Ballot	Sponsor Ballot	D2.3	RevCom conditional	Dec '19
802.1Qcp	802.1Q YANG data model	Sponsor Ballot - cond	Approved - Jun 14	D2.3	Publication	Dec '19
802E	Privacy	TG ballot	TG ballot	D1.0	TG Ballot	Dec '19
802.1CQ	Local Address protocol	PAR approved	Editor's draft	D0.1	Editor's draft	Dec '20
802.1Qcr	Asynchronous Traffic Shaping	TG ballot	TG ballot	D0.5	PAR modification - YANG, WG	Dec '20
802.1CS	LRP	TG ballot	TG ballot	D1.5	TG ballot	Dec '21
802.1AX-REV	Link Aggregation	WG ballot	TG ballot	D0.3	WG Ballot	Dec '20
802.1AR-REV	Secure Device Identity	RevCom	Approved - Jun 14	D2.6	Publication	Dec '21
802.1Q-REV	Bridges and Bridged Networks	RevCom	Published - Jul 6	D2.2		Dec '20
802.1AE-REV	MAC security	Sponsor Ballot	Sponsor Ballot	D1.3	RevCom	Dec '21
802.1ACct	support for 802.15.3	PAR approval	PAR Approved		Editor's draft	Dec '21
802.1ABcu	LLDP YANG	TG Ballot	Editor's draft	D0.0	TG ballot	Dec '21
802.1CBcv	FRER YANG & MIB	PAR approval	PAR Approved - May 14		Editor's draft	Dec '22
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	TG Ballot	PAR Approved	D0.0	TG ballot	Dec '21
802.1Qcx	CFM YANG	TG Ballot	Editor's draft	D0.3	TG ballot	Dec '21
802.1AC/cor1	MAC Service	Sponsor Ballot	Sponsor Ballot	D1.2	RevCom	Dec '21
802.1Qcz	Congestion Isolation	PAR development	PAR development		PAR approval	
802.1CBdb	FRER (CBcv) extensions	PAR approval	PAR Approved - May 14		Editor's draft	Dec '22
60802 (DA)	Profile for Industrial Automation	PAR approval	PAR Approved - May 14		TG ballot	Dec '22
802.1DC	Queuing for non-bridges	PAR approval	PAR Approved - May 14		Editor's draft	Dec '22
802.1X-REV	Port Access Control	PAR approval	PAR Approved - Jun 14		WG ballot	
802.1Qdd	Resource Allocation Protocol	PAR development	PAR development		PAR approval	

802.1 plenary schedule

V2	IEEE 802 PLENARY SESSION San Diego, California July 8-13, 2018												
	802.1 tracks and times												
	SUN	MONDAY			TUESDAY			WEDNESDAY			THURSDAY		
07:00-07:30													
07:30-08:00													
08:00-08:30				EC	MTN TG			Trk 1 & 2: TSN & 60802			Trk 1: TSN	Trk 2: 60802	
08:30-09:00		Trk 1: TSN											
09:00-09:30									Trk4 SEC				
09:30-10:00													
10:00-10:30		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	
11:00-11:30													
11:30-12:00											Trk 3: OR		
12:00-12:30													
12:30-13:00		Lunch			Lunch (Editors' Meeting)			Lunch			Lunch		
13:00-13:30													
13:30-14:00		Trk 1: TSN		Trk 3: OR	Trk 4: SEC	Trk 1: TSN		Trk 3: OR	Trk 4: SEC		Closing 802.1 plenary		
14:00-14:30													
14:30-15:00													
15:00-15:30													
15:30-16:00		Break			Break			Break			Break		
16:00-16:30		Trk 1: TSN		Trk 3: OR	Trk 4: SEC	Trk 1: TSN		Trk 4: SEC	Trk 1: TSN	Trk 2: 60802		Trk 4: SEC	
16:30-17:00											Closing 802.1 plenary		
17:00-17:30													
17:30-18:00													
18:00-18:30	TG				Break			Break			Break		
18:30-19:00	Chairs	YANGsters			Joint 802.1 & 802.15			Social event					
19:00-19:30	Mtg												
19:30-20:00													
20:00-20:30		802 NEND ICA			802 NEND ICA								
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 (update)
- ITU SC – did not meet
- 802 TF
 - myProject
 - Legal update

myProject status

- Revision of the myProject tool is under active development
 - 802 will remain on current tools through 2018
 - Mentor and IMAT will be considered in a separate later project/phase
- EC volunteers will review the requirements and initial demonstration code.
- Transition/data migration planning will be started around fall 2018.
- Anticipating transition in maybe Q2 2019

IEEE Open Source offering

□ Summary with CLA

- <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0103-00-00SA-ieee-open-source-offering.pdf>
- <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0172-00-00EC-ieee-sa-update-on-open-source-activity.pdf>

□ IEEE 802 [view](#)

- Maintain option of current process
 - i.e., source code (YANG, MIB, etc) can be developed as part of the standards process
- Interest with open source for normative/informative use in standards (notably for YANG)
 - [Questionnaire](#) completed to join trial, but staff advice that only open source license available for trial

□ Continue discussion in YANGsters on open source

TG reports

- Security
- TSN
- OmniRAN
- Maintenance
- YANGsters
- NENDica

Security

Task Group Report – Security

1. [P802.1Xck Port-Based Network Access Control - YANG Data model](#)
 - Agreed Sponsor Ballot responses and conditional to RevCom plan
2. [P802.1AE-Rev MAC Security](#)
 - Reaffirmed sending to RevCom
 - Reviewed potential (minor) maintenance item
3. [P802E Privacy \(Recommended Practice ... for 802..\)](#)
 - Detailed text discussion, working documents posted
 - TG ballot following this meeting, to be open during Oslo interim
 - Some further discussion of privacy considerations for 802.1 standards
4. [A.O.B.](#)
 - None
5. [Future meetings/teleconferences](#)
 - Telecons as needed for P802.1Xck sponsor ballot recirculation resolution
 - P802E ballot resolution by telecom, next face to face in Bangkok
 - Limited work in Oslo

802.1 TSN TG Agenda

V7	IEEE 802 PLENARY SESSION San Diego, California, USA July 9-13, 2018									
802.1 Time-Sesnsitive Networking (TSN) TG										
	SUN	MONDAY	TUESDAY	WEDNESDAY		THURSDAY		FRIDAY		
07:00-07:30										
07:30-08:00										
08:00-08:30		P802.1CS, P802.1Qcz	MTN	Whole TSN with IEC/IEEE 60802 JP		Trk A: 60802 JP	Trk B: AX-Rev	Whole TSN with IEC/IEEE 60802 JP		
08:30-09:00										
09:00-09:30										
09:30-10:00										
10:00-10:30		Break	Break	Break		Break				
10:30-11:00		Opening 802.1 plenary	P802.1Qcr, P802.1Qcz	Trk A: 60802 JP	Trk B: PARs, liaisons		Trk B: AX-Rev			
11:00-11:30										
11:30-12:00										
12:00-12:30										
12:30-13:00		Lunch	Lunch (Editors' meeting)	Lunch (web page meeting)		Lunch		Lunch		
13:00-13:30										
13:30-14:00		liaisons, input to motions, P802.1Qcy, P802.1Qcr	P802.1Qcr, new profiles, P802.1Qcx, P802.1Qcw	Whole TSN with IEC/IEEE 60802 JP		Closing 802.1 plenary		Whole TSN with 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			.1 TSN - .24 joint							
18:00-18:30	TG	YANGsters	Break	Break		Break				
18:30-19:00	Chairs		802.1 - 802.15 joint					KEY: TSN: Time-Sensitive Networking IEC/IEEE 60802 JP MTN: Maintenance TG		
19:00-19:30	Mtg									
19:30-20:00		802 NEND ICA	802 NEND ICA	Social event						
20:00-20:30										
20:30-21:00										
21:00-21:30										
21:30-22:00										
22:00-22:30										

- Note that the TSN TG agenda is subject to change, e.g., depending on progress etc.

OmniRAN

OmniRAN TG Achievements

San Diego, CA meeting, July 9th – 12th

- Progressing P802.1CF
 - D2.1 WG ballot recirculation resulted in 100% approval
 - 10 editorial comments received
 - Comment resolution led to a few editorial corrections to the text
 - D2.2 WG ballot recirculation during July
 - Conference call planned on July 30th to resolve received comments – if any
 - Motion to EC to forward D2.2 to sponsor ballot after successful completion of recirculation
 - Sponsor ballot may start about Aug 1st with closure to allow to start comment resolution at the upcoming Oslo interim meeting.
- Progressing P802.1CQ
 - 2 contributions reviewed
 - Dynamic assignment of MAC addresses to 802.11 STAs using 802.11aq (PAD)
 - Structured assignment of MAC addresses within data centers
 - Discussions started to collect scenarios, use-cases and requirements in scope of initial version of P802.1CQ
 - Agreement to create document on scenarios and use-cases
- Discussion of contributions to NEND ICA
 - Review of application of P802.1CF NRM within FFloT report
- Initial thoughts on follow-on specification work to P802.1CF

Looking forward to next session in Oslo, Norway, September 10-13, 2018

- Envisioned topics:
 - Comment resolution of sponsor comments on P802.1CF D2.2
 - Contributions on P802.1CQ scenarios, use-cases, requirements
 - Potentially, review P802.1CF related content of submissions to NEND ICA
 - Continue thoughts on follow-on work to P802.1CF
- Upcoming conference calls:
 - July 30th , 09:30 AM ET, 1hr
 - 1CF recirculation comment resolution, if needed
 - Decision about forwarding P802.1CF/D2.2 to sponsor ballot
 - 1CQ discussions depending on input
 - September 13th, 08:00 – 11:00 AM CET
 - 1CQ discussions at the Oslo interim meeting
 - WebEX session for remote participation from the wireless interim meeting in Waikoloa, Hawaii (08:00 – 11:00 PM HST)

Maintenance

Maintenance Item Status Update

- Updated maintenance sessions slides show detailed progressed status:
 - <http://www.ieee802.org/1/files/public/docs2018/maint-congdon-session-0718-v3.pdf>
- Progressed Summary
 - 15 approved items -> closed due to 802.1Q-2018 publication
 - 4 new items -> balloting due to 802.1Xck sponsor recirc
 - 1 technical review item -> complete then ballot due to solution in AS-rev
- Action on unchanged items
 - 1 email request sent to submitter for status update on next step action

ISO/IEC JTC1 SC6 Status

- 23 standards currently PSDO approved
- 5 standards in PSDO approval process
- Motion for 9 documents sent for adoption
 - 802.1CM-2018 (*)
 - 802.1Q-2018 (*)
 - 802.1Qcc-2018 (**)
 - 802.1Qcp-2018 (**)
 - 802.1AR-2018 (**)
 - 802.1AC-2016/Cor-1 (***)
 - 802.1Qcy-2018
 - 802.1Xck-2018
 - 802.1AE-2018
- 2 Motions to approve liaison for information and response to comments
 - P802.1AS-Rev - information
 - IEEE 802.1AEcg – comment response

Note: *published; **approved; ***under corrigendum process

YANGsters Update

San Diego

- | Documenting the use of the YANG Catalog (in support of open source pilot)
- | Defined and Agreed on structure of GitHub for YANG with 802.1, 802.3, and 802.11
- | Defined the YANG module naming guidelines with .1/.3/.11
- | Continue the YANGsters calls

Nendica Meeting Report, July 2018

- IEEE 802 “Network Enhancements for the Next Decade” ICA
- Monday and Tuesday, 19:30-21:30, Seaport F
- Detailed agenda: <https://tinyurl.com/yaszjwqe>
- About 40 people
- Main meeting topics:
 - Work Item: Lossless Network for Data Centers
 - Final editorial review completed; publication soon
 - Work Item: Flexible Factory IoT
 - Editor hopes to start Call for Comments in August
 - Issues regarding possible new topics
 - IEEE Std 802.1CM-2018 review by János Farkas
 - Liaison from TIA on TIA Smart Buildings Program
 - Meeting Plans
 - Teleconference 2018-08-02, 20:00 ET
 - September meeting 2018-09-11, 19:30 Waikoloa
 - Support IETF/802.1 Data Center Workshop 2018-11-10

Liaisons

Incoming Liaisons

□ TSN

- ITU-T on 802.1CM TSN for Fronthaul
<http://ieee802.org/1/files/public/docs2018/liaison-SG15-LS125-TSN-fronthaul-0718.pdf>
- ITU-T on 802.1 CFM OAM (LS123)
<http://ieee802.org/1/files/public/docs2018/liaison-SG15-LS123-CFM-Data-Models-0718.pdf>
- OPC Foundation on 60802
<http://www.ieee802.org/1/files/public/docs2018/liaison-OPCF-liaison-and-drafts-0718-v01.pdf>

Outgoing liaison discussion

- ❑ Liaison to 3GPP RAN3 on P802.1CM TSN for Fronthaul
- ❑ Liaison to MEF Forum on MEF CFM YANG
- ❑ Liaison to OPC Foundation on IEC/IEEE 60802 Joint Project
- ❑ Liaison response to ITU-T SG15 on CFM Data Models (re: LS123)

External communications

- Press release on 802.1CM-2018 publication
- eBlast on IEC/IEEE 60802 Joint Project – TSN Industrial Profile

EC consent agenda motions

Agenda - 1

❑ PARs to NesCom (ME)

- ❑ P802.1CF PAR extension: Recommended Practice for Network Reference Model and Functional Description of IEEE 802 Access Network
- ❑ P802.1Qcr PAR modification – Amendment: Asynchronous Traffic Shaping
- ❑ P802.1Qcz PAR – Amendment: Congestion Isolation
- ❑ P802.1Qdd PAR - Amendment: Resource Allocation Protocol

❑ Drafts to Sponsor ballot (ME)

- ❑ IEEE P802.1CF - Recommended Practice for Network Reference Model and Functional Description of IEEE 802 Access Network
- ❑ IEEE P802.1AS-Rev - Timing and Synchronization for Time-Sensitive Applications

Agenda - 2

- ❑ Drafts to RevCom (ME)
 - ❑ P802.1AE-Rev – Media Access Control (MAC) Security
 - ❑ P802.1Xck - Port-Based Network Access Control Amendment: YANG Data Model
 - ❑ P802.1AC-2016/Cor 1 - Media Access Control (MAC) Service Definition - Corrigendum 1: Logical Link Control (LLC) Encapsulation EtherType
 - ❑ P802.1Qcy - Amendment: Virtual Station Interface (VSI) Discovery and Configuration Protocol (VDP) Extension to Support Network Virtualization Overlays Over Layer 3 (NVO3)

Agenda - 3

- ❑ Liaisons (II)
 - ❑ Liaison to 3GPP RAN3 on P802.1CM TSN for Fronthaul
 - ❑ Liaison to MEF Forum on MEF CFM YANG
 - ❑ Liaison to OPC Foundation on IEC/IEEE 60802 Joint Project
- ❑ Liaisons (ME)
 - ❑ Liaison response to ITU-T SG15 on CFM Data Models (re: LS123)
- ❑ External Communications (ME)
 - ❑ Press release on 802.1CM-2018 publication
 - ❑ eBlast on IEC/IEEE 60802 Joint Project – TSN Industrial Profile
- ❑ Items to SC6 (ME)
 - ❑ Drafts to SC6 for information under the PSDO: P802.1AS-Rev
 - ❑ Standards to SC6 for adoption under the PSDO:
 - ❑ 802.1CM-2018, 802.1Q-2018, 802.1Qcc-2018, 802.1Qcp-2018, 802.1AR-2018, 802.1AC-2016/Cor-1, 802.1Qcy-2018, 802.1Xck-2018, 802.1AE-2018

PARS TO NESCOM

Motion

- Approve forwarding P802.1CF PAR extension in <http://ieee802.org/1/files/public/docs2018/cf-messenger-1st-par-extension-v1.pdf> to Nescom
 - This PAR introduces no new functionality and is exempt from the CSD requirement (OM 9.2)
- In the WG (y/n/a): 38, 1,0
 - Proposed: Max Riegel Second: Hao Wang
- In EC, mover: John Messenger Second: David Law
 - (y/n/a): <y>, <n>, <a>

Motion

- Approve forwarding P802.1Qcr PAR modification in <http://www.ieee802.org/1/files/public/docs2018/cr-PAR-modification-0718-v01.pdf> to NesCom
- Approve CSD documentation in <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0056-00-ACSD-802-1qcr.pdf>
- In the WG (y/n/a): 40, 0, 0
 - Proposed: Johannes Specht Second: János Farkas
- In EC, mover: John Messenger Second: David Law
 - (y/n/a): <y>, <n>, <a>

Motion

- Approve forwarding P802.1Qcz PAR documentation in <http://ieee802.org/1/files/public/docs2018/cz-PAR-0718-v01.pdf> to NesCom
- Approve CSD documentation in <http://www.ieee802.org/1/files/public/docs2018/cz-CSD-0718-v01.pdf>
- In the WG (y/n/a): 35, 0, 5
 - Proposed: Paul Congdon Second: Geoff Garner
- In EC, mover: John Messenger Second: David Law
 - (y/n/a): <y>, <n>, <a>

Motion

- Approve forwarding P802.1Qdd PAR documentation in <http://www.ieee802.org/1/files/public/docs2018/dd-PAR-0718-v01.pdf> to NesCom
- Approve CSD documentation in <http://www.ieee802.org/1/files/public/docs2018/dd-CSD-0718-v01.pdf>
- In the WG (y/n/a): 40, 0, 0
 - Proposed: Feng Chen Second: Mike Potts
- In EC, mover: John Messenger Second: David Law
 - (y/n/a): <y>, <n>, <a>

DRAFTS TO SPONSOR BALLOT

MOTION

- Conditionally approve sending P802.1CF/D2.2 to Sponsor Ballot
- Confirm the CSD for P802.1CF in <https://mentor.ieee.org/omniran/dcn/13/omniran-13-0086-00-ecsg-proposed-par-and-5c.docx>
- In the WG, mover: Max Riegel Second: Hao Wang
 - Forwarding draft (y/n/a): 36, 0, 2
 - Confirm the CSD (y/n/a): 38, 0, 2
- In the EC, mover: John Messenger Second: David Law
 - (y/n/a): , ,

Supporting information P802.1CF

□ Last WG recirculation on D2.1 closed July 5th

- 100% approval (> 75%),
- 80% response rate (> 50%),
- no technical,
no technical required,
no editorial required
comments.
- no unresolved comments
- no DISAPPROVE vote

CATEGORY	All responses	
	Total	%
YES	22	100%
NO	0	
ABSTAIN	23	
No. of voting members	55	
Voters responding	44	80%
Ex officio votes	1	
No of comments	10	
TR	0	
T	0	
ER	0	

□ D2.0 comment resolution:

- <http://www.ieee802.org/1/files/private/cf-drafts/d2/802-1cf-d2-0-dis.pdf>

□ D2.1 comment resolution:

- <http://www.ieee802.org/1/files/private/cf-drafts/d2/802-1cf-d2-1-dis.pdf>

□ WG Recirculation ballot in July; comment resolution July 30th concall

□ Possible second recirculation ballot in August with comment resolution at the September interim meeting if required.

Motion

- Conditionally approve sending P802.1AS-Rev D8.0 to Sponsor Ballot
- Confirm the CSD for P802.1AS-Rev in <http://www.ieee802.org/1/files/public/docs2014/new-802-1AS-rev-draft-csd-1114-v2.pptx>
- P802.1AS-Rev D7.0 had 88% approval at the end of the last WG ballot
 - In the WG (y/n/a): 38, 0, 1
 - Proposed: János Farkas Second: Geoff Garner
 - In EC, mover: John Messenger Second: David Law
 - (y/n/a): <y>,<n>,<a>

Supporting information P802.1AS-Rev

- WG ballot closed: 7 May 2018
- 1 vote changed during the ballot comment resolution, resulting in
 - 4 outstanding Disapprove votes
 - 0 outstanding Must Be satisfied comments
- Response rate requirement met (75% > 50%)
- Comment resolution available here:
<http://www.ieee802.org/1/files/private/as-rev-drafts/d7/802-1AS-rev-d7-0-dis-v01.pdf>
- Recirculation ballot will be conducted during August with comment resolution during the September Interim and on the TSN TG calls. A possible final recirculation in September if required with comment resolution on the TSN TG calls.

Ballot results:

Category	Total	Percentage
Yes	29	88%
No	4	12%
Abstain	8	20%
No. of Voters	55	100%
Voters responding	41	75%

Supporting information

P802.1AS-Rev

- Voters with outstanding Disapprove votes:
 - Boiger, Christian
 - Cummings, Rodney
 - Gunther, Craig
 - Pannell, Don

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

DRAFTS TO REVCOM

Motion

- Approve sending P802.1AE-Rev D1.3 to RevCom
 - This maintenance PAR has no CSD.
 - P802.1AE-Rev D1.3 had 98% approval at the end of the last sponsor recirculation ballot
- In the WG (y/n/a): 39, 0, 0
 - Proposed: Weis Second: McIntosh
- In EC, mover: John Messenger Second: David Law
 - (y/n/a): <y>,<n>,<a>

Supporting information for P802.1AE-Rev to RevCom

See

<http://www.ieee802.org/1/files/private/ae-rev-drafts/d1/802-1AE-rev-d1-3-dis.pdf>

for supporting
documentation.

1 outstanding Disapprove
with 4 Must Be Satisfied
comments on initial Sponsor
Ballot.

P802.1AE Standard for Local and Metropolitan Area Networks: Media Access Control (MAC) Security

Recirculation #1 Initial Ballot

Ballot Open Date: 30-May-2018

Ballot Close Date: 13-Jun-2018

Type: Revision

Draft #: 1.3

Ballots Received: 3

Vote Changes: 1

RESPONSE RATE

This ballot has met the 75% returned ballot requirement.

81 eligible people in this ballot group.

61 affirmative votes

1 total negative votes with comments

0 negative votes with new comments

0 negative votes without comments

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

68 votes received = 83% returned

8% abstention

APPROVAL RATE

The 75% affirmation requirement is being met.

61 affirmative votes

1 negative votes with comments

62 votes = 98% affirmative

P802.1AE-REV outstanding comments (1)

Cl 10	SC 10.10	P 86	L 2	# i-1
Bush, Stephen		General Electric		
Comment Type	TR	Comment Status	A	
Table 10-3: Does not provide enough detail to address timing and jitter for time-sensitive networking				
<i>SuggestedRemedy</i>				
Either tighten requirements or require more detailed statistical performance requirements; users would like to attach different ciphers to different queues based on statistical performance for TSN				
Response		Response Status	O	
ACCEPT IN PRINCIPLE. The specification of performance (delay/delay variance/jitter) requirements and the way in which they are to be described belongs in the relevant time-sensitive networking (TSN) standards or profiles that make use of those standards, not in this standard. Experience is that delay/jitter characteristics are not a direct function of a Cipher Suite but rather of their implementation (e.g. some TSN friendly implementations have constant delaycharacteristics). Delay variance/jitter requirements can also depend on other implementation characteristics entirely outside the scope of this standard (e.g. the implentation of two-step time synchronization support and packet transmission timing recording as specified in IEEE Std 802.1AS). The suggested remedy does not provide sufficient detail for the ballot resolution committee to determine changes to the draft that would meet the stated objectives. The draft (and the previously approved base text) does not permit more than one Cipher Suite to support a given CA . The following text has been added after the Table. "Time-sensitive networking (TSN) applications can benefit from or further constrain delays and delay variances experienced by relayed and transmitted frames (see IEEE Std 802.1AS, IEEE Std 802.1Q)." It is beyond the scope of this draft to add to the TSN specifications in those standards.				

P802.1AE-REV outstanding comments (2)

Cl 13	SC 13.60	P 107	L 1	# i-2
Bush, Stephen		General Electric		
Comment Type	TR	Comment Status	R	
2. Clause 13.6: Standard should include a YANG model in addition to the SNMP MIB				
SuggestedRemedy				
Add a corresponding YANG model				
Response	Response Status O			
REJECT.				
The comment is a proposal for a not insignificant project. It does not include a suggested change that can be applied to the draft or that the ballot resolution committee can use to determine the change.				

Cl 10	SC 10.10	P 104	L 1	# i-4
Bush, Stephen		General Electric		
Comment Type	TR	Comment Status	R	
There is no provision for quantum key distribution				
SuggestedRemedy				
Add a YANG leaf (and MIB object) such as 'secylfQkdEnable' to indicate quantum key generation capability, as this entails useful information about eavesdropping protection that we would want to use.				
Response	Response Status O			
REJECT.				
This is a forward looking requirement. At this time we do not know precisely what quantum key support would require, and so cannot make a change that we can be sure would be useful.				

P802.1AE-REV outstanding comments (3)

Cl 10	SC 10.10	P 145	L 2	#	i-3
Bush, Stephen		General Electric			
Comment Type	TR	Comment Status	R		
Default cipher suite should be AES-256 to address quantum computing threat; AES-128 will soon no longer be secure against quantum computing					
<i>Suggested Remedy</i>					
Change default cipher suite should be AES-256 to address quantum computing threat					
Response		Response Status	O		
REJECT. The mandatory to implement "Default Cipher Suite" is specified only to facilitate interoperability. Current implementations are free to implement AES-256 in addition to AES-128. Ongoing public Cipher Suite development (e.g. the CAESAR competition) is likely to produce other default Cipher Suite candidates with additional desirable characteristics (e.g. lower power consumption, initialization vector misuse resistance) before the quantum computing threat is encountered, and frequent change to the "default" would impact its interoperability characteristic.					

Motion

- Conditionally approve sending P802.1Xck D2.2 to RevCom
- Approve CSD documentation in <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0070-00-ACSD-802-1xck.docx>
-
- In the WG Proposed: Seaman Second: Weis
 - Forwarding draft to RevCom (y/n/a): 39, 0, 1
 - CSD (y/n/a): 38, 0, 1
- In EC, mover: John Messenger Second: David Law
 - (y/n/a): <y>,<n>,<a>

Supporting Information for P802.1Xck to RevCom

- Ballot closed: 5 July 2018
- No Disapprove votes
- 2 Must Be Satisfied comments (MEC)
(no other comments)
- Comment resolution available here:
<http://www.ieee802.org/1/files/private/xck-drafts/d2/802-1Xck-d2-1-dis-v01.pdf>
- Recirculation ballot will start immediately following this plenary meeting with resolution on the Security TG calls and a further recirculation if necessary.

P802.1Xck Standard for Local and Metropolitan Area Networks - 1

Recirculation #1 Initial Ballot

Ballot Open Date:	25-Jun-2018
Ballot Close Date:	05-Jul-2018
Type:	New
Draft #:	D2.1
Ballots Received:	5
Comments:	2
Must Be Satisfied Comments:	2

RESPONSE RATE

This ballot has met the 75% returned ballot requirement.

78 eligible people in this ballot group.

60 affirmative votes
0 total negative votes with comments
0 negative votes with new comments
0 negative votes without comments
4 abstention votes: (Lack of expertise: 2, Lack of time: 2)

64 votes received = 82% returned
6% abstention

APPROVAL RATE

The 75% affirmation requirement is being met.

60 affirmative votes
0 negative votes with comments

60 votes = 100% affirmative

P802.1Xck outstanding comments

Metropolitan Area Networks - Port Based Network Access

Cl 1	SC 1.3	P 3	L 13	# r01-2
------	--------	-----	------	---------

Gibbons, Patrick

Comment Type ER *Comment Status* A

It looks like you might be citing IETF RFC 7268 normatively, but it does not appear in Clause 2.

SuggestedRemedy

If you are citing IETF RFC 7268 normatively, list it in Clause 2. If you are citing it informatively, include the bibliographic number [B26].

Response *Response Status* C

ACCEPT IN PRINCIPLE.

* The reference to IEEE RFC 7268 is Informative, so [B26] has been added after the reference.

Cl 2	SC 2	P 5	L 18	# r01-1
------	------	-----	------	---------

Gibbons, Patrick

Comment Type ER *Comment Status* R

You have added IEEE Std 802 to the normative references but do not cite it normatively. (It IS cited informatively in the note in 11.1.

SuggestedRemedy

Either cite IEEE Std 802 in normative text or move it back to the Bibliography.

Response *Response Status* C

REJECT.

* IEEE Std 802 is referenced (normatively) by clauses 9.7, 11.1.4, and 11.12.5 in the base standard for this amendment (IEEE Std 802.1X-2010 as emended by IEEE St 802.1Xbx-2014), but had been accidentally omitted from Clause 3 References. It has been added to the References as an item of maintenance, as provided for in the PAR of this project.

MOTION

- Approve sending P802.1AC-2016-Cor-1/D2.0 to RevCom
- No CSD for this maintenance PAR
- P802.1AC-2016-Cor-1/D2.0 had 100% approval at the end of the last sponsor recirculation ballot.
- In the WG, mover: Congdon Second: Rouyer
 - Forwarding draft to RevCom (y/n/a): 39, 0, 0
 - CSD (y/n/a): , ,
- In the EC, mover: Messenger Second: Law
 - (y/n/a): , ,

Supporting material for P802.1AC-2016- Cor-1 to RevCom

Recirculation #1

Ballot Open Date: 24-May-2018

Ballot Close Date: 03-Jun-2018

Type: New

Draft #: 2.0

Ballots Received: 1 (one additional approve)

RESPONSE RATE

This ballot has met the 75% returned ballot requirement.

66 eligible people in this ballot group.

60 affirmative votes

0 total negative votes with comments

0 negative votes with new comments

0 negative votes without comments

0 abstention votes

60 votes received = 90% returned
0% abstention

APPROVAL RATE

The 75% affirmation requirement is being met.

60 affirmative votes

0 negative votes with comments

60 votes = 100% affirmative

Motion

- Conditionally approve sending P802.1Qcy D2.5 to RevCom
- Approve CSD documentation for P802.1Qcy in <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0072-00-ACSD-802-1qcn.pdf>
- P802.1Qcy D2.3 had 100% approval at the end of the last Sponsor recirculation ballot
 - In the WG (y/n/a): 40, 0, 0
 - Proposed: János Farkas Second: Paul Bottorff
 - In EC, mover: John Messenger Second: David Law
 - (y/n/a): <y>, <n>, <a>

* Note that the designation has been changed from P802.1Qcn to P802.1Qcy because of confusion of Qcn with the acronym for Quantized Congestion Notification (QCN).

Supporting information P802.1Qcy

- Ballot closed: 17 June 2018
- 1 vote changed during the ballot comment resolution, resulting in
 - 0 outstanding Disapprove votes
 - 0 outstanding Must Be satisfied comments
- Comment resolution available here:
<http://www.ieee802.org/1/files/private/cy-drafts/d2/802-1Qcy-d2-3-dis-v1.pdf>
- Recirculation ballot will be conducted during August with comment resolution during the September Interim and on the TSN TG calls. A possible final recirculation in October if required with comment resolution on the TSN TG calls.

Ballot results:

Recirculation #1 Initial Ballot

Ballot Open Date: 07-Jun-2018

Ballot Close Date: 17-Jun-2018

Type: New

Draft #: D2.3

Ballots Received: 3

Vote Changes: 3

Comments: 18

RESPONSE RATE

This ballot has met the 75% returned ballot requirement.

65 eligible people in this ballot group.

50 affirmative votes

0 total negative votes with comments

0 negative votes with new comments

0 negative votes without comments

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

52 votes received = 80% returned

3% abstention

APPROVAL RATE

The 75% affirmation requirement is being met.

50 affirmative votes

0 negative votes with comments

50 votes = 100% affirmative

LIAISONS

Motion

- Approve liaison of the following response to 3GPP RAN3
 - <http://www.ieee802.org/1/files/public/docs2018/liaison-response-3GPP-RAN3-0718-v01.pdf>
- In the WG (y/n/a): 38, 0, 0
 - Proposed: János Farkas Second: Jessy Rouyer
- In EC, for information

Motion

- Approve liaison of the following letter to MEF Forum
 - <http://www.ieee802.org/1/files/public/docs2018/liaison-MEF-CFM-YANG-0718-v01.pdf>
- In the WG (y/n/a): 38, 0, 0
 - Proposed: Scott Mansfield Second: Jessy Rouyer
- In EC, for information

Motion

- Approve liaison of the following response to OPC Foundation
 - <http://www.ieee802.org/1/files/public/docs2018/liaison-response-OPCF-0718-v01.pdf>
- In the WG (y/n/a): 37, 0, 0
 - Proposed: János Farkas Second: Jessy Rouyer
- In EC, for information

Motion

- Approve liaison of the following response (to LS 123) to ITU-T SG15
 - <http://www.ieee802.org/1/files/public/docs2018/liaison-response-ITU-T-SG15-LS123-CFM-Data-Models-0718-v01.pdf>
 - granting the IEEE LMSC chair (or his delegate) editorial license.
 - This approval is under LMSC OM “Procedure for communication with government bodies”
- In the WG (y/n/a): 38, 0, 0
 - Proposed: Scott Mansfield Second: Jessy Rouyer
- In the EC, mover: Messenger Second: Law
 - (y/n/a): , ,

Motion

- Approve the press release on IEEE Std 802.1CM in <http://www.ieee802.org/1/files/public/docs2018/cm-draft-press-release-0718-v01.pdf>, to be released with editorial changes as deemed necessary
- In the WG (y/n/a): 39, 0, 1
 - Proposed: János Farkas Second: Jessy Rouyer
- In EC, mover: John Messenger Second: David Law
 - (y/n/a): <y>,<n>,<a>

Motion

- Approve the eblast on the IEC/IEEE 60802 Joint Project in <http://www.ieee802.org/1/files/public/docs2018/60802-draft-cfp-0718-v01.pdf>, to be released with editorial changes as deemed necessary
 -
- In the WG (y/n/a): 38, 0, 0
 - Proposed: János Farkas Second: Jessy Rouyer
- In EC, mover: John Messenger Second: David Law
 - (y/n/a): <y>,<n>,<a>

JTC1 SC6 PSDO ITEMS

MOTION

- Approve liaison of the following draft(s) to ISO/IEC JTC1/SC6 for information under the PSDO agreement
 - P802.1AS-Rev
- Proposed: Congdon Second: Rouyer
- For_38_Against_0 Abstain_0_
- EC proposed: John Messenger Second: David Law
- For____Against____Abstain_____

MOTION

Approve submission of the following project(s) to ISO/IEC JTC1/SC6 for adoption under the PSDO agreement, once approved and published:

802.1CM-2018 (*)
802.1Q-2018 (*)
802.1Qcc-2018 (**)
802.1Qcp-2018 (**)
802.1AR-2018 (**)
802.1AC-2016/Cor-1 (***)
802.1Qcy-2018
802.1Xck-2018
802.1AE-2018

Proposed: Congdon Second: Rouyer
For_38_Against_0 Abstain_0_

EC proposed: John Messenger Second: David Law
For_____Against____Abstain_____

Note: *published; **approved; ***under corrigendum process

EC regular motions

WG motions

MOTION

- 802.1 approves the March 2018 (Plenary) and May 2018 (Interim) minutes:

<http://ieee802.org/1/files/public/minutes/2018-03-minutes-v2.pdf>

<http://ieee802.org/1/files/public/minutes/2018-05-minutes-v1.pdf>

Proposed: Jessy Rouyer Seconded: János Farkas

- Approved by Acclamation

MOTION

- 802.1 resolves to hold an interim meeting in May 2020, hosted by the Ethernet Alliance in North America.
- Proposed: N Finn Second: Congdon
- For: _33 Against: _0 Abstain: _3_

MOTION

- Authorize the editor of P802.1X-Rev "Port-Based Network Access Control", Mick Seaman, to generate drafts for and conduct Working Group balloting.
- Proposed: Weis Second: McIntosh
- For: 40 Against: 0 Abstain: 0

MOTION

- Authorize the Security Task Group to hold teleconferences to progress P802.1Xck, P802E, P802.1X-Rev 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: Seaman Second: McIntosh
- Approved by acclamation

MOTION

- Authorize Maintenance TG to hold teleconferences on 4th September and 6th November 2018 at 11am ET if necessary. Access information will be posted to the 802.1 reflector in advance.
- Proposed: Congdon Second: Rouyer
- Approved by acclamation

MOTION

- Authorize monthly calls for the YANGsters group, convening on the last Wednesday of every month from 9AM (US-Eastern) to 10AM (US-Eastern), start 25 July 2018 end 31 October 2018
 - Access information to be announced to the 802.1 email list in advance
- Proposed: Kehrer Second: Rouyer
- Approved by acclamation

Motion: OmniRAN TG conference calls

- Approve OmniRAN TG conference calls:
 - Between the July 2018 plenary and the November 2018 plenary with at least 10 days prior notice to the 802.1 mailing list.
 - Agenda and call-in details will be announced at least 10 days prior on the 802.1 mailing list and be made available on <http://1.ieee802.org/omniran/>
- Moved: Max Riegel, Second: Hao Wang
- Approved by acclamation
 - ..

Motion

- 802.1 authorizes Johannes Specht, the Editor of P802.1Qcr Asynchronous Traffic Shaping to prepare drafts for and conduct Working Group balloting.
- Proposed: Johannes Specht
- Second: János Farkas
- In the WG (y/n/a): 33, 0, 1

Motion

- 802.1 authorizes Norman Finn, the Editor of P802.1CS Link-local Registration Protocol to prepare drafts for and conduct Working Group balloting.
- Proposed: Norman Finn
- Second: János Farkas
- In the WG (y/n/a): 32, 0, 0

Motion

- ▣ 802.1 authorizes Jordon Woods, the Editor of IEC/IEEE 60802 Time-Sensitive Networking Profile for Industrial Automation to prepare drafts for and conduct Task Group balloting.
- Proposed: Jessy Rouyer
- Second: János Farkas
- In the WG (y/n/a): 35, 0, 0

Motion

- 802.1 authorizes Stephan Kehrer, the Editor of P802.1CBcv Frame Replication and Elimination for Reliability Amendment: YANG Data Model and Management Information Base Module to prepare drafts for and conduct Task Group balloting.
- Proposed: Jessy Rouyer
- Second: János Farkas
- In the WG (y/n/a): 40, 0, 0

Motion

- 802.1 authorizes Norman Finn, the Editor of P802.1DC Quality of Service Provision by Network Systems to prepare drafts for and conduct Task Group balloting.
- Proposed: Jessy Rouyer
- Second: János Farkas
- In the WG (y/n/a): 36, 0, 0

Motion

- 802.1 authorizes the September 2018 Interim to generate PAR and CSD for pre-circulation to the EC for an amendment to IEEE 802.1CM to take advantage of new synchronization, syntonization and fronthaul interface developments.
- Proposed: János Farkas
- Second: Jessy Rouyer
- In the WG (y/n/a): 36, 0, 1

Motion

- 802.1 authorizes the September 2018 Interim to generate PAR and CSD for a standard specifying profiles for automotive networks.
- Proposed: Michael Potts
- Second: Donald Pannell
- In the WG (y/n/a): 35, 0, 0

Motion

- 802.1 authorizes the September 2018 Interim to generate PAR and CSD for a standard specifying TSN profiles for service provider networks.
- Proposed: Tongtong Wang
- Second: Johannes Specht
- In the WG (y/n/a): 32, 0, 3

Motion

- Approve holding a workshop with IETF on data center networking on November 10, 2018 in Bangkok.
- Proposed: Paul Congdon
- Second: János Farkas
- In the WG (y/n/a): 37, 0, 0

Motion

- Approve holding a TSN Task Group workshop with the IETF DetNet Working Group on November 11, 2018 in Bangkok.
- Proposed: János Farkas
- Second: Jessy Rouyer
- In the WG (y/n/a): 37, 0, 0

Motion

- 802.1 authorizes the TSN Task Group to hold pre-meeting(s) on the Monday morning of the November 2018 Plenary session, e.g., for the IEC/IEEE 60802 Joint Project.
- Proposed: János Farkas
- Second: Jessy Rouyer
- In the WG (y/n/a): 40, 0, 0

Motion

- 802.1 authorizes the TSN Task Group to hold teleconferences weekly on Mondays from 8AM (US-Pacific) to 10AM (US-Pacific).
- 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 by the Friday before the call.
- Proposed: János Farkas
- Second: Jessy Rouyer
- 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 6AM (US-Pacific) to 8AM (US-Pacific), starting with August 27, 2018.
- 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 by the Friday before the call.
- Proposed: János Farkas
- Second: Jessy Rouyer
- Approved by acclamation

Motions – Any others?

Simulation

- Craig Gunther presented the Simulation page on the 802.1 website