

# 802.1 Plenary – March 2018

## Rosemont, IL, USA

### Closing Agenda

Glenn Parsons – IEEE 802.1 WG Chair  
glenn.parsons@ericsson.com

# 802.1 plenary agenda

## **Monday opening**

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

## **Wednesday midweek**

- [Call for Patents](#)
- Sanity check – current projects
- 802.11aq/RAC issue
- Future plenary format
- Motions for EC consent agenda
- Motions for 802.1
- Chair & Vice-Chair elections

## **Friday 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.



# Participants have a duty to inform the IEEE

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

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

# Ways to inform IEEE

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

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

# Other guidelines for IEEE WG meetings

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

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

# Participation in IEEE 802 Meetings

- Participation in any IEEE 802 meeting (Sponsor, Sponsor Subgroup, Working Group, Working Group Subgroup, etc.) is on an individual basis
  - *Participants in the IEEE standards development individual process shall act based on their qualifications and experience. ([https://standards.ieee.org/develop/policies/bylaws/sb\\_bylaws.pdf](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) section 5.2.1)*
  - *IEEE 802 Working Group membership is by individual; “Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives”. ([http://ieee802.org/PNP/approved/IEEE\\_802\\_WG\\_PandP\\_v19.pdf](http://ieee802.org/PNP/approved/IEEE_802_WG_PandP_v19.pdf) section 4.2.1)*
  - You have an obligation to act and vote as an individual and not under the direction of any other individual or group. Your obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.
  - You shall not direct the actions or votes of any other member of an IEEE 802 Working Group or retaliate against any other member for their actions or votes within IEEE 802 Working Group meetings, see [https://standards.ieee.org/develop/policies/bylaws/sb\\_bylaws.pdf](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) section 5.2.1.3 and [http://ieee802.org/PNP/approved/IEEE\\_802\\_WG\\_PandP\\_v19.pdf](http://ieee802.org/PNP/approved/IEEE_802_WG_PandP_v19.pdf) section 3.4.1, list item x
- By participating in IEEE 802 meetings, you accept these requirements. If you do not agree to these policies then you shall not participate.

# 802.1 officers

## □ Officers

- Chair: Glenn Parsons
- Vice Chair and Maintenance TG Chair: John Messenger
- Recording Secretary: Jessy Rouyer
- Security TG Chair: Mick Seaman
- TSN TG Chair: János Farkas
- Data Center Bridging TG Chair: Pat Thaler
- OmniRAN TG Chair: Max Riegel
- Maintenance of website: John Messenger & Paul Unbehagen
- Maintenance of Email exploder: Hal Keen

## □ Website

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



# The following are 802.1 voters (61):

Assmann, Ralf	Gutierrez, Marina	Potts, Michael
Bao, Shenghua	Haddock, Stephen	Qiu, Wei
Bechtel, Gordon	Hantel, Mark	Randall, Karen
Bierschenk, Jens	Holness, Marc	Riegel, Maximilian
Bjornstad, Steinar	Kabra, Lokesh	Rouyer, Jessy V
Boiger, Christian	Karl, Michael	Samii, Soheil
Bottorff, Paul	Keen, Hal	Sato, Atsushi
Canchi, Radhakrishna	Kehrer, Stephan	Schewe, Frank
Chen, David	Koto, Hajime	Seaman, Michael
Chen, Feng	Li, Yizhou	Specht, Johannes
Cheng, Weiyong	Mangin, Christophe	Thaler, Patricia
Congdon, Paul	Mansfield, Scott	Unbehagen, Paul
Cummings, Rodney	McIntosh, James	Wang, Xinyuan
Elbakoury, Hesham	Messenger, John	Wang, Tongtong
Farkas, Janos	Moskowitz, Robert	Wang, Hao
Finn, Norman	Mustala, Tero	Weber, Karl
Fontaine, Mickael	Ohsawa, Tomoki	Weis, Brian
Garner, Geoffrey	Pannell, Donald R	Woods, Jordon
Gray, Eric W	Parsons, Glenn	Yamaura, Takahiro
Gunther, Craig	Pienciak, Walter	Yu, Xiang
		Zein, Nader

# The following became voting members this week:

Canchi, Radhakrishna

Kabra, Lokesh

Mansfield, Scott

Qiu, Wei

Yamaura, Takahiro

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

Cam-Winget, Nancy  
DeLaOlivaDelgado,  
Antonio  
Ellegard, Lars  
Fang, Yonggang  
Geilhardt, Frank  
Gravel, Mark  
Hotta, Yoshifumi  
Hung, Soar  
Itaya, Satoko

Kojima, Fumihide  
Maruhashi, Kenichi  
Qiu, Wei  
Schmitt, Juergen  
Shen, Li  
Ting, Ao  
Veisllari, Raimena  
Wu, Yanwei  
Yin, Yue

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

none

The following will lose voting member status for insufficient WG ballot return, unless they contact the chair:

Li, Yizhou

Moskowitz, Robert

Samii, Soheil

Wang, Xinyuan

The following have requested to  
move to observer status:

Bechtel, Gordon

Fontaine, Mickael

# Future interim meetings

- May 21-25, 2018
  - [Ethernet Alliance](#) in Pittsburgh, USA
- July 24-26, 2018
  - JWG interim hosted by DKE in Frankfurt
- September 10-14, 2018
  - [Transpacket](#) in Oslo, Norway
- Jan 14-18, 2019
  - [FFPA proposal](#) in Hiroshima, Japan
- May 20-24, 2019
  - [Ethernet Alliance](#) in North America
- Sept 2019
  - Potential ADVA Optical Networking proposal
- Jan 2020
  - Geneva?

# Future plenaries

- July 9-13, 2018 – San Diego, CA USA
  - Manchester Grand Hyatt
- 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 2020 – Atlanta, GA, USA
- July 2020 – Montreal, QC, Canada
- November 2020 – Bangkok, Thailand



# Sanity check – current workload

Project	Subject	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1Qcc	SRP enhancements & performance improvements	Sponsor Ballot - cond	Sponsor Ballot recirc	D2.1	RevCom conditional	Dec '19
802.1CF	Access network (OmniRAN)	WG ballot	TG ballot	D1.0	WG ballot	Dec '18
802.1AS-REV	Time synch enhancements	PAR modification	WG ballot	D6.0	Sponsor Ballot (July)	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	WG ballot	WG ballot recirc	D2.0	Sponsor Ballot	Dec '19
802.1CM	Profile for Fronthaul	Sponsor Ballot	Sponsor Ballot	D2.0	RevCom conditional	Dec '19
802.1Qcy	EVB VDP extension	Sponsor Ballot	Sponsor Ballot	D2.1	Sponsor Ballot	Dec '19
802.1Qcp	802.1Q YANG data model	Sponsor Ballot - cond	Sponsor Ballot recirc	D2.0	RevCom conditional	Dec '19
802E	Privacy	TG ballot	TG ballot	D0.7	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	D0.3	PAR modification - YANG	Dec '20
802.1CS	LRP	TG ballot	TG ballot	D1.2	TG ballot	Dec '21
802.1AX-REV	Link Aggregation	WG ballot	TG ballot	D0.1	WG Ballot	Dec '20
802.1AR-REV	Secure Device Identity	Sponsor Ballot	Sponsor Ballot recirc	D2.6	RevCom	Dec '21
802.1Q-REV	Bridges and Bridged Networks	Sponsor Ballot	Sponsor Ballot	D2.1	RevCom	Dec '20
802.1AE-REV	MAC security	WG ballot	WG ballot recirc	D1.1	Sponsor Ballot	Dec '21
802.1ACct	support for 802.15.3	PAR development	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 development	PAR development		NesCom	
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	TG Ballot	Editor's draft		TG ballot	Dec '21
802.1Qcx	CFM YANG	TG Ballot	Editor's draft	D0.1	TG ballot	Dec '21
802.1AC/cor1	MAC Service	Sponsor Ballot	WG ballot	D2.0	Sponsor Ballot	Dec '21
802.1Qcz	Congestion Isolation	PAR development	PAR development		PAR development	
802.1CBdb	FRER (CBcv) extensions	PAR development	PAR development		NesCom	
60802 (DA)	Profile for Industrial Automation	PAR development	PAR development		NesCom	
802.1DC	Queuing for non-bridges	PAR development	PAR development		NesCom	
802.1X-REV	Port Access Control				NesCom	

# 802.1 plenary schedule

**V4**

**IEEE 802 PLENARY SESSION**  
**Rosemont (Chicago), Illinois**  
**March 4-9, 2018**

## 802.1 tracks and times

	SUN	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
07:00-07:30						
07:30-08:00						
08:00-08:30						
08:30-09:00		Trk 1: TSN	Opening 802 EC plenary	MTN TG	Trk 1: TSN	Trk 5: JWG
09:00-09:30					Trk 2: DCB	Trk 1: TSN
09:30-10:00					Trk 4: SEC	Trk 4: SEC
10:00-10:30		Break	Break	Break	Break	Break
10:30-11:00						
11:00-11:30		Opening 802.1 plenary	Trk 1: TSN	Trk 2: DCB	Trk 4: SEC	Trk 5: JWG
11:30-12:00			Trk 3: OR	Trk 4: SEC	Trk 5: JWG	Closing 802.1 Plenary
12:00-12:30						
12:30-13:00		Lunch	Lunch	Editors Mtg	Lunch	Editors Mtg
13:00-13:30						
13:30-14:00						
14:00-14:30		Trk 1: TSN	Trk 3: OR	Trk 1: TSN	JTC1 SC	Trk 3: OR
14:30-15:00				Trk 4: SEC	Trk 5: JWG	Trk 4: SEC
15:00-15:30				Trk 1: TSN	Trk 2: DCB	Trk 3: OR
15:30-16:00		Break	Break	Break	Break	Break
16:00-16:30						
16:30-17:00		Trk 1: TSN	Trk 3: OR	Trk 4: SEC	Trk 5: JWG	Trk 1: TSN
17:00-17:30				Trk 2: DCB	Trk 3: OR	Trk 4: SEC
17:30-18:00				Trk 1: TSN	Trk 2: DCB	Trk 3: OR
18:00-18:30						
18:30-19:00	TG	802.1 & TSN Newcomers	Break	Break	Joint 802.1 & 802.24	KEY:
19:00-19:30	Chairs		Joint 802.1 & 802.15	Networking Reception		JWG: IEEE/IEC Joint WG
19:30-20:00	Mtg				TSN - 802.1AS	TSN: Time Sensitive Netw'kg
20:00-20:30		YANGsters	IC - 802 NEND			MTN TG: Maintenance TG
20:30-21:00						SEC: Security
21:00-21:30						DCB: Data Center Bridging
21:30-22:00						OR: OmniRAN
22:00-22:30						

# 802 reports

- IETF SC

- Joint coordination meeting continuing

- <https://www.iab.org/activities/joint-activities/iab-ieee-coordination/>

- JTC1 SC

- ITU SC

- 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.

# 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

Thanks  
to Pat Thaler  
for all her  
contributions to  
802.1 and her 33  
years in IEEE 802



# DCB TG

- Will be retired after this plenary
  
- Move to TSN
  - P802.1Qcy
  - P802.1Qcz pre-PAR discussions
  
- Move to OmniRAN
  - P802.1CQ

# TG reports

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



# Security

DCB

# 802.1 TSN TG Agenda

VO	IEEE 802 PLENARY SESSION Rosemont (Chicago), Illinois March 4-9, 2018									
	802.1 Time-Sensitive Networking (TSN) TG									
	SUN	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY				
07:00-07:30										
07:30-08:00										
08:00-08:30		AS-Rev	MTN TG	P60802 PAR <small>(whole TSN with JWG)</small>		AS-Rev				
08:30-09:00					Trk A: JWG		Trk B: AX-Rev			
09:00-09:30					JWG		PARs			
09:30-10:00										
10:00-10:30										
10:30-11:00		Opening 802.1 plenary	Whole TSN with JWG	Trk A: JWG	Trk B: PARs	Closing 802.1 Plenary				
11:00-11:30								Trk A: JWG	Trk B: liaisons	
11:30-12:00										
12:00-12:30										
12:30-13:00										
13:00-13:30		Lunch	Lunch (Editors' meeting)	Lunch	Lunch	Lunch				
13:30-14:00		incoming liaisons, Qcc, AS-Rev	Trk A: JWG	Trk B: Qcp, CM	Midweek 802.1 plenary	Trk A: JWG	Trk B: new work			
14:00-14:30										
14:30-15:00										
15:00-15:30										
15:30-16:00										
16:00-16:30		AS-Rev	Trk A: JWG	Trk B: CM	Trk A: JWG	Trk B: YANG	Whole TSN with JWG			
16:30-17:00										
17:00-17:30										
17:30-18:00										
18:00-18:30	TG									
18:30-19:00	Chairs	802.1 & TSN intro	802.1 - 802.15 joint	Social event	802.1 TSN - 802.24	KEY: TSN: Time-Sensitive Netw. JWG: IEEE-IEC Joint WG MTN TG: Maintenance TG NEA: Next Ethernet Apps IC: Industry Connecions NEND: Ntwk Enhanc for Next Dec				
19:00-19:30	Mtg									
19:30-20:00										
20:00-20:30							802.3 NEA - Switch Latency / Industrial	IC - 802 NEND		
20:30-21:00										
21:00-21:30										
21:30-22:00										
22:00-22:30										

# OmniRAN TG Achievements

Rosemont, IL meeting, March 5<sup>th</sup> – 8<sup>th</sup>

- Progressing P802.1CF
  - Initial WG ballot achieved 65% approval with 159 comments
    - Next ballot will be WG ballot on full text of D2.0
  - D1.0 comment resolution and development of remedies proceeding
    - Contributions adopted on further deployment scenarios
    - Restructuring of information models
    - Definitions
  - Addressing implementation issues
    - Replacing content with references to other 802.1 standards
    - Restructuring of chapter on softwarization
- Estimated timeline for P802.1CF with extended scope:
  - Sponsor Ballot potentially after Jul 2018
- Discussion of contributions to IC NEND
  - Review of draft report on industrial IoT reviewed to provide hints adding information and revision prior to presentation to Nendica

# Looking forward to next session in Pittsburgh, May 21-25, 2018

- Envisioned topics:
  - Comment resolution of comments on P802.1CF D2.0
  - Potentially, review of intended submissions to Nendica
  
- Upcoming conference calls:
  - March 20<sup>th</sup> , 0930AM ET
    - Open issues of implementation of remedies
    - Review and completion of documentation of proposed disposition
    - Review of information model revision (Clause 8.1)
  - April 3<sup>rd</sup> , 0930AM ET
    - Review of revisions to clauses 7.1, 7.7, and 7.8
    - Review of smaller textual amendments
    - Preparation of swapping figures to .svg
  - April 13<sup>th</sup>, 0930AM ET
    - Final review of D2.0 in preparation of WG ballot
  
- Next WG ballot:
  - Start latest at April 18<sup>th</sup> with closure on May 19<sup>th</sup>
    - May '18 interim in Pittsburgh on May 21<sup>st</sup>-25<sup>th</sup>

# Maintenance

# YANGsters Outcomes

- Chicago 802 Plenary Meeting
  - Good turn out for evening session
- Held a YANGsters meeting on Monday Night
  - Input provided on the website
    - Need more Background and material to help on-boarding related to YANG @ IEEE
    - Guidelines section needs contributions
    - Issues List should be posted
  - Updates and discussions
    - Do not include hot-links to the Specification in the YANG code
    - OID vs. URL affects 802.1 and 802.11, continue to explore solutions and solve in a way that will work across IEEE
  - Reviewed the Open Source Pilot proposal
    - Consensus in the room was that the current IEEE License used is best suited for source code that will be in a standard
    - A discussion with the Open Source Pilot project legal team will be arranged
  - Provided information about the ITU-T Interim meetings on modeling that IEEE has been invited to
    - <https://1.ieee802.org/yangsters/itu-t-interim-calls-for-model-coordination/>

# Nendica Summary Report (1/2)

IEEE 802 Network Enhancements for the Next Decade Industry Connections Activity

- Met 2018-03-06, 19:30-21:30
- Around 50 people
- Marks chaired, following assignment by Parsons
- Agreed on process to develop Nendica Reports
  - Agree on Work Items, to develop draft reports
  - Open balloting, with notification to 802 EC
  - Continuing openness to new Work Items
- Agreed (29/0/0) to request Walter Pienciak as Nendica as IEEE-SA Advisor
  - ICCOM quickly supported to the request



# Nendica Summary Report (2/2)

IEEE 802 Network Enhancements for the Next Decade Industry Connections Activity

- Agreed on a near-term meeting schedule
  - 11 April: teleconference
  - Week of 7 May: 802 wireless interim, Warsaw
  - Week of 21 May: 802.1/802.3 interim, Pittsburgh
  - Will request meeting facilities from hosts
  - Hope to allow remote participation
- Reviewed the two ongoing Work Items
  - Lossless Network for Data Centers
  - Flexible Factory IoT
- Three contributions presented
  - Related to lossless networks

# Liaisons

# Incoming Liaisons

## □ Maintenance:

- ITU-T on OTN standardization work plan

[http://www.ieee802.org/1/files/public/docs2018/liaison-SG15-LS100-OTNT\\_standardization\\_worplan-0318.zip](http://www.ieee802.org/1/files/public/docs2018/liaison-SG15-LS100-OTNT_standardization_worplan-0318.zip)

## □ YANGsters:

- BBF on YANG

[http://www.ieee802.org/1/files/public/docs2018/liaison-BBF-121\\_CFM YANG-0118.pdf](http://www.ieee802.org/1/files/public/docs2018/liaison-BBF-121_CFM YANG-0118.pdf)

<http://www.ieee802.org/1/files/public/docs2018/liaison-BBF-116-ieee8023-yang-epon-0118.pdf>

unapproved response from January interim

- ITU-T Q14/15 on CFM YANG

[http://www.ieee802.org/1/files/public/docs2017/liaison-SG15-LS68\\_CFM\\_OAM\\_1017.zip](http://www.ieee802.org/1/files/public/docs2017/liaison-SG15-LS68_CFM_OAM_1017.zip)

unapproved response from January interim

## □ TSN

- ITU-T on new versions of G.8021, G.8023 & G.8013/Y.1731

[http://www.ieee802.org/1/files/public/docs2018/liaison-SG15-LS108-G.8013\\_G.8021\\_G.8023-0318.pdf](http://www.ieee802.org/1/files/public/docs2018/liaison-SG15-LS108-G.8013_G.8021_G.8023-0318.pdf)

- ITU-T on IM and DM OAM

[http://www.ieee802.org/1/files/public/docs2018/liaison-SG15-LS103-IM+DM\\_OAM-0318.pdf](http://www.ieee802.org/1/files/public/docs2018/liaison-SG15-LS103-IM+DM_OAM-0318.pdf)

- ITU-T on MEF 10.4 OWFD

[http://www.ieee802.org/1/files/public/docs2018/liaison-SG15-LS102-MEF10.4\\_OWFD-0318.pdf](http://www.ieee802.org/1/files/public/docs2018/liaison-SG15-LS102-MEF10.4_OWFD-0318.pdf)

- NGMN on RAN functional split and xhaul

[http://www.ieee802.org/1/files/public/docs2018/liaison-NGMN-RAN\\_FSX-0318.zip](http://www.ieee802.org/1/files/public/docs2018/liaison-NGMN-RAN_FSX-0318.zip)

- IEC SC65C on review of draft IEC 60802

[http://www.ieee802.org/1/files/public/docs2018/liaison-IEC-65C-MT9\\_TSN\\_Liaison-0318.pdf](http://www.ieee802.org/1/files/public/docs2018/liaison-IEC-65C-MT9_TSN_Liaison-0318.pdf)

[http://www.ieee802.org/1/files/private/liaisons/liaison-65c-60802-Ed1-IS-preCD-OE\\_20180201\\_rev5p0\\_Clean.pdf](http://www.ieee802.org/1/files/private/liaisons/liaison-65c-60802-Ed1-IS-preCD-OE_20180201_rev5p0_Clean.pdf)

# Outgoing liaison discussion

- Liaison to IETF NVO3
- Liaison response to BBF liaise121 - CFM OAM YANG
- Liaison to 3GPP RAN3
- Liaison response to ITU-T SG15 LS80 - CFM OAM YANG
- Liaison response to ITU-T SG15 LS108 – G.8021
- Liaison to ITU-T SG15 – 802.1CM

# EC regular motions

# Motion to reconsider

- Reconsider motions on PARs to NesCom for
  - P60802
  - P802.1DC
  - P802.1X-REV
  
- In the WG (y/n/a): 35, 0, 0
  - Proposed: János Farkas
  - Second: Craig Gunther

# Agenda

- ❑ PARs to NesCom (ME)
  - ❑ P60802 - Standard: Time-Sensitive Networking Profile for Industrial Automation
  - ❑ P802.1DC - Standard for Quality of Service Provision by Network Systems
  - ❑ P802.1X-REV – Port-Based Network Access Control
- ❑ Drafts to RevCom (ME)
  - ❑ P802.1CM - Time-Sensitive Networking for Fronthaul. (Conditional)
- ❑ Liaisons (II)
  - Liaison response to BBF liaise121 - CFM OAM YANG
  - Liaison to 3GPP RAN3
- ❑ Liaisons (ME)
  - Liaison response to ITU-T SG15 LS80 - CFM OAM YANG
  - Liaison response to ITU-T SG15 LS108 – G.8021
  - Liaison to ITU-T SG15 – 802.1CM
- ❑ Items to SC6 (ME)
  - FDIS Comment responses to SC6 on 802.1AC

# PARs to NesCom



# 5.0301 Motion (reconsidered)

- Approve forwarding P60802 PAR documentation in <http://ieee802.org/1/files/public/docs2018/60802-PAR-0318-v02.pdf> to NesCom
- Approve CSD documentation in <http://www.ieee802.org/1/files/public/docs2018/60802-CSD-0318-v01.pdf>
- In the WG (y/n/a): 38, 0, 0
  - Proposed: János Farkas      Second: Craig Gunther
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>, <n>, <a>

# 5.0304 Motion (reconsidered)

- Approve forwarding P802.1DC PAR documentation in <http://ieee802.org/1/files/public/docs2018/dc-PAR-0318-v02.pdf> to NesCom
- Approve CSD documentation in <http://www.ieee802.org/1/files/public/docs2018/dc-CSD-0318-v01.pdf>
- In the WG (y/n/a): 34, 1, 2
  - Proposed: Norman Finn      Second: János Farkas
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>, <n>, <a>

# 5.0305 Motion (reconsidered)

- Approve sending P802.1X-Rev PAR documentation in <http://www.ieee802.org/1/files/public/docs2018/x-rev-seaman-draft-par-0318-v05.pdf> to NesCom
  
- In the WG,  
mover: Mick Seaman Second: Brian Weis
  - (y/n/a): 38, 0, 0
  
- In the EC, mover: Glenn Parsons Second: Pat Thaler
  - (y/n/a): , ,

Note: there are no CSD responses for this maintenance PAR.

# Drafts to RevCom

## 5.0311 Motion

- Conditionally approve sending P802.1CM to RevCom
- Approve CSD documentation in <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0073-00-ACSD-802-1cm.pdf>
- P802.1CM D2.0 had 95 % approval at the end of the last sponsor ballot
  - In the WG (y/n/a): 38, 0, 0
    - Proposed: János Farkas      Second: David Chen
  - In EC, mover: Glenn Parsons      Second: Pat Thaler
    - (y/n/a): <y>,<n>,<a>

# Supporting information P802.1CM

- Ballot closed: 18 February 2018
  - 3 Disapprove votes
  - no outstanding Must Be Satisfied comments
- Comment resolution available here:  
<http://ieee802.org/1/files/private/cm-drafts/d2/802-1CM-d2-0-dis-v01.pdf>
- Recirculation ballot will be conducted during March with comment resolution on the TSN TG calls. A possible final recirculation in April and May if required with comment resolution on the TSN TG calls and/or during the May 802.1 Interim.

## P802.1CM Time-Sensitive Networking for Fronthaul

Ballot Open Date:	19-Jan-2018
Ballot Close Date:	18-Feb-2018
Type:	New
Draft #:	2.0
Comments:	201
Must Be Satisfied Comments:	24

### RESPONSE RATE

This ballot has met the 75% returned ballot requirement.

79 eligible people in this ballot group.

63 affirmative votes  
3 total negative votes with comments  
3 negative votes with new comments  
0 negative votes without comments  
3 abstention votes: (Lack of time: 2, Other: 1)

---

69 votes received = 87% returned  
4% abstention

### APPROVAL RATE

The 75% affirmation requirement is being met.

63 affirmative votes  
3 negative votes with comments

---

66 votes = 95% affirmative

# Supporting information

## P802.1CM

- Voters with Disapprove votes:
  - Finn, Norman
  - Tse, Richard
  - Zein, Nader
- Each voter is satisfied with the resolution of his  
Must Be Satisfied comment

# Liaisons (II)



# Motion

- Approve liaison of the following response (to LIAISE-121) to Broadband Forum
  - <http://www.ieee802.org/1/files/public/docs2018/liaison-response-BBF-121-0318-v01.pdf>
- In the WG (y/n/a): 38, 0, 1
  - Proposed: Jessy Rouyer                      Second: János Farkas
- In EC for information

# Motion

- Approve liaison of the following response (to R3-173354) to 3GPP RAN3
  - <http://www.ieee802.org/1/files/public/docs2018/liaison-reponse-3GPP-RAN3-0318-v01.pdf>
- In the WG (y/n/a): 39, 0, 0
  - Proposed: János Farkas                      Second: Norm Finn
- In EC for information

# Liaisons (ME)

# Motion

- Approve liaison of the following response (to LS 80) to ITU-T SG15
  - <http://www.ieee802.org/1/files/public/docs2018/liaison-response-ITU-T-SG15-LS80-0318-v01.pdf>
- In the WG (y/n/a): 38, 0, 0
  - Proposed: Jessy Rouyer                      Second: János Farkas
- In EC, mover: Glenn Parsons                      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Motion

- Approve liaison of the following response (to LS 108) to ITU-T SG15
  - <http://www.ieee802.org/1/files/public/docs2018/liaison-response-ITU-T-SG15-LS108-0318-v01.pdf>
- In the WG (y/n/a): 39, 0, 0
  - Proposed: Jessy Rouyer      Second: János Farkas
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Motion

- Approve liaison of the following letter to ITU-T SG15
  - <http://www.ieee802.org/1/files/public/docs2018/liaison-ITU-T-SG15-Q13-0318-v01.pdf>
- In the WG (y/n/a): 39, 0, 0
  - Proposed: Jessy Rouyer                      Second: János Farkas
- In EC, mover: Glenn Parsons                      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Items to SC6 (ME)

# MOTION

- Approve liaison of the following comment responses to ISO/IEC JTC1/SC6 under the PSDO agreement:
  - <http://ieee802.org/1/files/public/docs2018/liaison-randall-SC6Response1AC-0317.pdf>
  
- Proposed: Pat Thaler            Second: John Messenger
- For\_37\_\_\_Against\_0\_\_Abstain\_1\_\_\_
  
- EC proposed: Parsons            Second: Thaler
- For\_\_\_\_Against\_\_\_\_Abstain\_\_\_\_\_



# WG motions

# MOTION

- 802.1 approves the November 2017 (Plenary) and January 2018 (Interim) minutes:

<http://ieee802.org/1/files/public/minutes/2017-11-minutes-v2.pdf>

<http://ieee802.org/1/files/public/minutes/2018-01-minutes-v2.pdf>

Proposed: Jessy Rouyer Seconded: John Messenger

- Approved by Acclamation

# Motion

- 802.1 WG approves an interim meeting to work on IEC/IEEE P60802 TSN Profile for Industrial Automation work together with IEC 65C/MT9. The meeting is hosted by DKE July 24-26, 2018 in Frankfurt.
  - no registration fee
  - location:
    - DKE
    - Deutsche Kommission
    - Elektrotechnik Elektronik Informationstechnik
    - in DIN und VDE
    - Stresemannallee 15
    - 60596 Frankfurt am Main
    - (room Slaby)
- Proposed: János Farkas
- Second: Stephan Kehrer
- In the WG (y/n/a): 38, 0, 0

# Motion: Conference calls

- Approve OmniRAN TG conference calls:
  - March 20<sup>th</sup>, 09:30 AM ET, 90mins
  - April 3<sup>rd</sup>, 09:30 AM ET, 90mins
  - April 13<sup>th</sup>, 09:30 AM ET, 90mins
  - Between the May 2018 interim and the July 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: Walter Pienciak
- Approved by Acclamation

# WG Motion - teleconference

- Authorize teleconference(s) for P802.1CQ
  - 28 March 6:00 AM Pacific Time
  - Possible additional calls with 10 day notice.
- In the WG (y/n/a): <y>, <n>, <a>
  - Proposed: Pat Thaler      Second: Paul Congdon
- Approved by Acclamation

# WG Motion – P802.1Qcz precirculation

- 802.1 authorizes the May 2018 Interim to further develop PAR and CSD for precirculation to the EC for the P802.1Qcz amendment to IEEE 802.1Q covering Congestion Isolation.
- In the WG (y/n/a): 38, 0, 0
  - Proposed: Pat Thaler                      Second: Yolanda Yu

# Motion - teleconference

- Approve continuing the YANGsters eMeetings monthly
  - Meeting Time
    - Bridge: [join.me/ieee802.1](https://join.me/ieee802.1)
    - Wednesday, March 28, 2018 6:00 AM (US-Pacific)  
Through and including Wednesday, June 27, 2018  
6:00AM (US-Pacific)
- Moved: Scott Mansfield Second: Jessy Rouyer
- Approved by Acclamation

# Motion – pre-PAR

- 802.1 authorizes the May 2018 Interim to generate PAR and CSD for pre-circulation to the EC for an amendment to IEEE 802.1Q to specify Resource Allocation Protocol.
- Proposed: Feng Chen
- Second: John Messenger
- In the WG (y/n/a): 37, 0, 0



# Motion - teleconference

- 802.1 authorizes the TSN Task Group to hold a teleconference for Sponsor ballot comment resolution for P802.1CM TSN for Fronthaul on April 3, 2018 from 7AM (US-Pacific).
  - Access information is posted on the <http://www.ieee802.org/1/tsn> page and will be updated as necessary.
  - Proposed: János Farkas
  - Second: Jessy Rouyer
- Approved by Acclamation

# Motions – Any others?