

# 802.1 Plenary – July 2017

## Berlin, Germany

### Closing Agenda

Glenn Parsons – IEEE 802.1 WG Chair  
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# Plenary Agenda

- Call for Patents
- Membership
- Future Meetings
- 802 reports
- TG reports
- Sanity check – current projects
- Liaisons
- Motions

# 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:**
  - The 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 the IEEE is not aware. Additionally, neither the 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, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy.

- **Participants [Note: Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2]:**
  - **“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**
  - **“Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of potential Essential Patent Claims” (that is, third parties that are not affiliated with the participant, with the participant’s employer, or with anyone else that the participant is from or otherwise represents)**
- **The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group**
- **Early identification of holders of potential Essential Patent Claims is strongly encouraged**
- **No duty to perform a patent search**

# Patent Related Links

All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.

Patent Policy is stated in these sources:

IEEE-SA Standards Boards 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](mailto:patcom@ieee.org) or visit <http://standards.ieee.org/about/sasb/patcom/index.html>

This slide set is available at  
<https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt>

# 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:
  - Either speak up now 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
  - Cause an LOA to be submitted

# 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, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
      - Technical considerations remain 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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See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association’s Antitrust and Competition Policy” for more details.

# 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 (49):

Assmann, Ralf  
Bao, Shenghua  
Bierschenk, Jens  
Bjornstad, Steinar  
Boiger, Christian  
Bottorff, Paul  
Chen, David  
Chen, Feng  
Cheng, Weiying  
Cummings, Rodney  
Farkas, Janos  
Finn, Norman  
Fontaine, Mickael  
Garner, Geoffrey  
Gray, Eric  
Gunther, Craig  
Gutierrez, Marina

Haddock, Stephen  
Hantel, Mark  
Heffernan, Patrick  
Holness, Marc  
Keen, Hal  
Kehrer, Stephan  
Korhonen, Jouni  
Li, Yizhou  
Mangin, Christophe  
McIntosh, James  
Messenger, John  
Moskowitz, Robert  
Mustala, Tero  
Pannell, Donald R  
Parsons, Glenn  
Pienciak, Walter  
Potts, Michael

Randall, Karen  
Riegel, Maximilian  
Rouyer, Jessy  
Ryyty, Eero  
Samii, Soheil  
Schewe, Frank  
Seaman, Michael  
Specht, Johannes  
Thaler, Patricia  
Unbehagen, Paul  
Wang, Hao  
Weber, Karl  
Weis, Brian  
Woods, Jordon  
Zein, Nader

The following became voting members this week:

Assmann, Ralf

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

Baek, SeoYoung

Ellegard, Lars

Gravel, Mark

Huang, Jing

Huang, Lu

Hung, Soar

Koto, Hajime

Marks, Roger

Ohsawa, Tomoki

Regev, Alon

Sato, Atsushi

Ting, Ao

Wang, Tongtong

Wu, Yanwei

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

Gray, Eric

Ryytty, Eero

The following will lose voting member status for insufficient WG ballot return:

None.

# Future interim meetings

- September 5-8, 2017
  - St. John's, Newfoundland
- January 22-26, 2018
  - ITU-T in Geneva, Switzerland
- May 21-25, 2018
  - Ethernet Alliance
- September 10-13(14?), 2018
  - Transpacket in Oslo, Norway
- Jan, May, Sept 2019
  - Hosts welcome.

# Future plenaries

- November 5-10, 2017 – Orlando, FL USA
  - Caribe Royale
- March 4-9, 2018 – Chicago, IL USA
  - Hyatt Regency O'Hare
- July 9-13, 2018 – San Diego, CA USA
  - Manchester Grand Hyatt
- November 12-16, 2018 – Bangkok, Thailand
- March 10-15, 2019 – Vancouver, BC, Canada
- July 14-19, 2019 – Vienna, Austria
- November 10-15, 2019 – Waikoloa, HI, USA

# Future plenary time

- 5 day Interims from January 2018
- Proposal for November plenary
  - Monday to Friday
    - Closing plenary on Friday morning – AM2
    - Mid-week plenary Wednesday – PM1
- Reorganize task groups?
  - Split some work out of TSN TG...
  - No change at this time



# 802.1 website update

- WordPress on IEEE server
  - Paul Unbehagen is leading
- Phase I
  - consolidate all current web pages/servers
  - distribute page change control to TG chairs and project editors
  - Go live after July plenary, likely mid-August
- Phase II
  - move document storage?
  - Explore options

# Sanity check – current workload

Project	Subject	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1CB	Frame Replication and Elimination	RevCom - cond	RevCom - Sept 7	D2.8	RevCom - cond Sponsor Ballot - cond & PAR ext	Dec '17
802.1Qcc	SRP enhancements & performance improvements	WG ballot	WG ballot	D1.5		Dec '17
802.1ARce	AR: SHA-384 and P-384 Elliptic Curve	withdrawal	Withdrawn - June 15			Dec '18
802.1CF	Access network (OmniRAN)	TG ballot	TG ballot	D0.5	TG ballot	Dec '18
802.1AEcg	Ethernet data encryption devices	RevCom	Published - May 19	D1.6		Dec '18
802.1Qch	Cyclic queueing and forwarding	RevCom	Published - June 28	D2.2		Dec '19
802.1AS-REV	Time synch enhancements	WG ballot	WG ballot	D5.0	PAR modification	Dec '19
802c	Local Address space	RevCom	Approved - June 15	D2.1	Publication	Dec '19
802.1Qci	Per Stream Filtering & Policing	RevCom	Approved - Feb 14	D2.0	Publication	Dec '19
802.1Qcj	Auto Attach to PBB	TG Ballot	Editor's draft	D0.2	TG Ballot	Dec '19
802.1Xck	802.1X YANG data model	WG ballot	WG ballot	D1.1	WG ballot	Dec '19
802.1CM	Profile for Fronthaul	TG Ballot	TG Ballot	D0.7	WG ballot	Dec '19
802.1Qcn	EVB VDP extension	TG Ballot	Editor's draft	D0.5	WG ballot Sponsor Ballot - cond & PAR mod	Dec '19
802.1Qcp	802.1Q YANG data model	WG ballot	WG ballot	D1.1		Dec '19
802d	URN Namespace	RevCom	Published - Mar 31	D1.2		Dec '19
802E	Privacy	TG ballot	Editor's draft	D0.7	TG Ballot	Dec '19
802.1AX/Cor1	Tech and ed corrections	RevCom	Published - Mar 28	D0,6		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	Editor's draft	D0.1	TG ballot	Dec '20
802.1CS	LRP	NesCom	Editor's draft	D0.1	TG ballot	Dec '21
802.1AX-REV	Link Aggregation	TG ballot	TG ballot	D0.1	TG ballot	Dec '20
802.1AR-REV	Secure Device Identity	Sponsor Ballot - cond	WG ballot	D2.2	Sponsor Ballot	Dec '21
802.1Q-REV	Bridges and Bridged Networks	WG ballot	WG ballot recirc	D2.0	Sponsor Ballot	Dec '20
802.1AE-REV	MAC security	PAR development			PAR approval	
802.1ACct	support for 802.15.3	PAR development			PAR approval	
802.1ABcu	LLDP YANG	PAR development			PAR approval	
802.1CBcv	FRER YANG & MIB	PAR development			PAR approval	
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	PAR development			PAR approval	
802.1Qcx	CFM YANG	PAR development			PAR approval	
802.1AC/cor1	MAC Service				PAR approval	

# 802 reports

- IETF SC

- Joint coordination meeting this Saturday

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

- JTC1 SC

- ITU SC

- 802 TF

- Including open source

# 802 Task Force

- Standards mascots
  - [Zappy](#) @zappysquirrel
    - Squirrel with an affinity for engineering, impressionist art, and educating the world about Standards. And acorns.
  - [New](#) game
- Fellowship program
  - 4 attendees (IN, BF, SN, UG) attended, including a tutorial program
- IEEE Get 802
  - Now on [IEEE Xplore](#)
- myProject (including IMAT & Mentor, WG balloting) replacement
  - Indeterminate delay, but not earlier than Q4 2018
- IEEE-SA staff support
  - Program: Jonathan Goldberg & Kathryn Bennett
  - Editors: Michelle Turner
  - International: Jodi Haasz



# IEEE Open Source offering

- Summary (including CLA)
  - <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0103-00-00SA-ieee-open-source-offering.pdf>
- IEEE 802 view – for EC approval
  - Use case 3 & 4 are of interest and want to maintain current process
    - i.e., source code (YANG, MIB, etc) can be developed as part of the standards process
  - Interest with open source
    - Possible interest with being part of a trial
    - But there are concerns with the proposed process (e.g., CLA)
  - Continue with open source adhoc at next plenary

# YANGsters

- There are YANG projects in 802.1 and 802.3 and interest in other WGs
- A common approach to style and layout for constancy in 802.1 and across 802 is desirable
- A regular virtual meeting will be scheduled to allow the discussion

# TG reports

- Security
- DCB
- TSN
- OmniRAN
- Maintenance
- Industry Connections

# Security

1. P802.1AE-Rev (MAC Security) PAR (roll-up)
  - For 802.0 approval (submit to RevCom) already pre-circulated
2. P802.1Xck (Port-Based Network Access Control – YANG Data Model)
  - Finalize 1st WG Ballot Resolution, WG ballot starting this meeting **Monday pm**
3. P802.1AR-Rev (Secure Device Identity)
  - For 802.0 approval (forward to Sponsor Ballot)
4. P802E Privacy (Recommended Practice .. Privacy .. for IEEE 802 ...)
  - No work at this meeting, TG ballot complete, next step resolution telecon
5. JTC1 SC6 SC participation **Tuesday pm1, Thursday pm1**
6. A.O.B
  - Security in the Car **Tuesday am2, Wednesday am**
7. Future meeting/teleconferences

Task Group will meet Monday pm through Thursday am

Starting: Tuesday, after Maintenance and joint YANG session

Wednesday, Thursday 9.00 am



# DCB status

- IEEE 802c – Resolved publication questions on how to handle the update of the EUI, OUI and CID tutorial
- IEEE 802.1Qcn – Resolved comments from IETF NVO3 participants
- IEEE 802.1CQ – Proposals are needed.

# IEEE 802.1 TSN TG Agenda, July, 2017

8:00

	Monday	Tuesday	Wednesday	Thursday
	Qcc SRP&Conf.	Maintenance	PARs, AS-Rev gPTP,	Liaisons out, ABcu Qcx YANG, RAP, TSN Config, Ext. Stream ID, MTTFPA & cut-through, Pdelay
	Opening Plenary	Qcp YANG,		
	lunch break			
	TSN promotion, Liaisons in, CM Fronthaul, Qcr ATS	AX-Rev LAG, AS-Rev gPTP	AX-Rev LAG, Qcj, CS LRP, Qcr ATS	Closing Plenary
			802.24 – TSN	
~6pm	802 tutorials	802.15 – 802.1 ICAID	social	

# OmniRAN report

- July 2017

# OmniRAN TG Achievements

Berlin meeting, July 10<sup>th</sup> – 13<sup>th</sup>

- Completion of comment resolution of TG ballot on draft P802.1CF-D0.5
  - Resolution of the comments
  - Agreement on revision of text for 7.1 Network Setup
- Going forward to draft D0.6
  - Agreed to do another TG ballot with D0.6 to establish sound base for adding new content in St. John's interim.
    - Commenting period until end of August
- New content for D0.7
  - Information Model
  - Time Sensitive Networking
- Estimated timeline for P802.1CF with extended scope:
  - Starting WG ballot after Sept 2017, Sponsor Ballot Mar 2018
- Preparation of contributions to IC NEND
  - Wireless Communications in the Manufacturing Fields
  - Layer 2 network virtualization

# Looking forward to next session in St. John's, NL, September 3-5, 2017

- Envisioned topics:
  - Comment resolution on D0.6
  - Editorial clean-up of whole document
  - Add section 7.9 on Information Model
  - Incorporate TSN functionality into sections 7.5 and 7.6
  - Prepare for WG ballot
  - Potentially discuss contributions to the IC NEND
  
- Conference calls:
  - Upcoming conference calls
    - Jul 25th, 09:30am ET
      - Editorial review of D0.6 to finalize for recirculation
      - Discuss structure of Information Model

# Maintenance Task Group Closing Report

Berlin, Germany  
July 13, 2017

John Messenger

# Status Update

## 802.1 Maintenance Status

Category	Count
Approved	0
Ready for Ballot	1
Complete then Ballot	3
Complete then Errata	0
Errata	0
Failed	0
Incomplete	0
Rejected	25
Published	108
Received	5
Errata Sheet Published	0
Technical experts review	1
Balloting	25
Withdrawn	0

# Status Update

## □ Progressed

- 11 outstanding maintenance items
  - 1 closed
- 4 new maintenance items since May
- Comment responses on several PSDO ballots prepared for approval
- 4 drafts to PSDO for information



# Items progressed 1/2

## Jul 2017 Plenary Meeting

Location: Berlin

Number	Status	Submitted	Standard	Clause	Subject	Draft
0177	Technical experts review	2017-01-26	802.1AB-2009	8.5.8.1	System Capability entry for Small Cells	
0183	Ready for Ballot	2017-05-17	802.1Q	21.4.3	CFM OpCodes	
0187 Closed	Rejected	2017-06-24	802.1BA	12.6.1.1.3	802.1Q Port counter for FCS errors	
0188	Complete then Ballot	2017-06-29	802.1Q	8.6.8	Maintenance item request for transmission selection	
0188	Complete then Ballot	2017-06-29	802.1Q	8.6.8	Maintenance item request for transmission selection	
0192	Ready for Ballot	2017-07-04	802.1Q-2014/D1.4	5.13.1	References in clause 5.13.1, item n) not clickable	
0191	Complete then Ballot	2017-07-04	802.1Q-2014/D1.4	1.3	Introduction items for P802.1Qbv and P802.1Qbu	
0191	Complete then Ballot	2017-07-04	802.1Q-2014/D1.4	1.3	Introduction items for P802.1Qbv and P802.1Qbu	
0192	Ready for Ballot	2017-07-04	802.1Q-2014/D1.4	5.13.1	References in clause 5.13.1, item n) not clickable	
0193	Complete then Ballot	2017-07-05	802.1Qbv-2015	12.29	802.1 maintenance request: Clarification of points in time for scheduled traffic	

# Items progressed 2/2

## Jul 2017 Plenary Meeting

Location: Berlin

Number	Status	Submitted	Standard	Clause	Subject	Draft
0193	Complete then Ballot	2017-07-05	802.1Qbv-2015	12.29	802.1 maintenance request: Clarification of points in time for scheduled traffic	

# 802.1 Stds for SC6 approval (1/2)

- PSDO approved
  - 802.1AE -2006 - FDIS passed Oct 2013, cmnts liaised Jan 2014
  - 802.1X-2010 - FDIS passed Oct 2013, cmnts liaised Jan 2014
  - 802.1AS-2011 (Time synch) - FDIS passed Dec 2013, cmnts liaised May 2014
  - 802.1AB-2009 (LLDP) - FDIS passed Dec 2013, cmnts liaised May 2014
  - 802.1AR-2009 (Secure device ID) - FDIS passed Dec 2013, cmnts liaised May 2014
  - 802.1AEbn-2011 - ISO/IEC 8802-1AE:2015/Amd 1 (Apr 2015)
  - 802.1AEbw-2013 - ISO/IEC 8802-1AE:2015/Amd 2 (Apr 2015)
  - 802.1AX-2014 - FDIS passed Nov 2015; no comments
  - 802-2014 - FDIS passed Nov 2015, cmnts liaised Jan 2016
  - 802.1Xbx-2014 - FDIS passed Dec 2015; cmnts liaised 20 April
  - 802.1Q-2014 - FDIS passed Jan 2016; cmnts liaised 20 April
  - 802.1BA-2011 (AVB systems) - FDIS passed August 2016; no comments
  - 802.1BR-2012 (Port extender) - FDIS passed August 2016; no comments
  
  - 802.1AB-2016 (Stn & Media Acc Cntrl Conntvty Discov) - FDIS passed 4/17; China cmnts - response rww
  - 802.1Qbv-2015 (Enhs for Sch Traffic) - FDIS passed 4/17; China cmnts - response rww
  - 802.1Qca-2015 (Path Control & Reserv) - FDIS passed 4/17; China cmnts - response rww
  - 802.1Q-2014/Cor 1-2015 - FDIS passed 4/17; China cmnts - response rww

# 802.1 Stds for SC6 approval (2/2)

- For adoption - PSDO in process (FDIS)
  - 802.1Qcd (Application VLAN TLV) - ballot passed with comments from China.  
Response sent Nov 2016; FDIS closes 18 Apr 2017  
(IEEE staff: May/June – ballot not open yet?)
  - 802.1Qbu-2016 - response to 60 day ballot cmts sent 30 Mar 2017  
FDIS ballots haven't started; IEEE staff in contact with ISO
  - 802.1Qbz-2016 - response to 60 day ballot cmts sent 30 Mar 2017  
FDIS ballots haven't started; IEEE staff in contact with ISO
  - 802.1AX-2014/Cor1-2017 - 90 day Cor ballot closes 20 July 2017
- For adoption - PSDO in process (60 day pre-ballot)
  - 802.1AC-2016 - Ballot closed May 2017; cmt from China  
review response July 2017
  - 802d-2017 (URN Namespace) - Ballot passed June 2017; no comments
  - 802.1AEcg-2017 (EDE devices) - Sent to SC6 27 June 2017; pre-ballot closes 7 Sept
- For Information
  - IEEE 802c (Local MAC Address Usage) - D2.1 sent 30 March 2017; in Sponsor Ballot.  
Need motion to send when published.
  - IEEE 802.1QRev - Motion 3/17: D2.0 to be sent when ready
- Next to send – send for adoption/start ballots (all still TBD)
  - 802.1CB (Frame Repl & Elim for Reliability) - D2.6 sent for info 9/2016; send when pub – motion 3/17
  - 802.1Qci (Per stream filtering & policing) - D2.0 sent for info 10/2016; send when pub – motion 3/17
  - 802.1Qch (Cyclic Queuing & Fwding) - D2.0 sent for info 11/2016; send when pub – motion 3/17

# Industry Connections Summary

## 'IEEE 802 network enhancements for the next decade'

- Kind of activity:
  - Market research into emerging IEEE 802 networking requirements
- Expected deliverable:
  - Report to 802.1 with recommendations regarding new standardization topics, documentation of use cases and user needs for those topics, and proposed organizational approaches to ensure effective participation from user communities.
- Activity duration:
  - 2 years with first draft report delivered after 1 year
- Meetings
  - First [meeting](#) this week
  - Conference calls will be set up in the fall
  - Next meeting, Tuesday evening at November plenary
  - Future outreach meetings and industry conferences/events

# Incoming Liaisons

## □ Maintenance:

- ITU-T SG15 LS48 on OTNT  
[http://www.ieee802.org/1/files/public/docs2017/liaisons-ITUT-SG15-LS48\\_OTNT\\_workplan-0717.zip](http://www.ieee802.org/1/files/public/docs2017/liaisons-ITUT-SG15-LS48_OTNT_workplan-0717.zip)
- IETF – LLC for long frames  
<http://www.ieee802.org/1/files/public/docs2017/liaison-ietf-Ethertype-for-long-LLC-frames-0617.txt>

## □ TSN:

- ITU-T SG15 – full timing support for 802.1CM  
[http://www.ieee802.org/1/files/public/docs2017/liasons-ITUT-SG15-LS51\\_full\\_timing\\_support-0717.zip](http://www.ieee802.org/1/files/public/docs2017/liasons-ITUT-SG15-LS51_full_timing_support-0717.zip)
- ITU-T SG15 – CFM YANG  
[http://www.ieee802.org/1/files/public/docs2017/liaison-ITUT-SG15-LS43\\_CFM\\_YANG-0717.pdf](http://www.ieee802.org/1/files/public/docs2017/liaison-ITUT-SG15-LS43_CFM_YANG-0717.pdf)
- ITU-T SG15 – 5G transport  
[http://www.ieee802.org/1/files/public/docs2017/liasons-ITUT-SG15-LS54\\_5G\\_transport-0717.pdf](http://www.ieee802.org/1/files/public/docs2017/liasons-ITUT-SG15-LS54_5G_transport-0717.pdf)
- CPRI update  
<http://cpri.info/press.html>
- ODVA – document request  
<http://www.ieee802.org/1/files/public/docs2017/liaison-ODVA-802.1-Liaison-Request-0617.pdf>

## □ Plenary (for information):

- BBF – FlexE  
[http://www.ieee802.org/3/minutes/may17/incoming/BBF\\_to\\_IEEE\\_802d3\\_May\\_2017.pdf](http://www.ieee802.org/3/minutes/may17/incoming/BBF_to_IEEE_802d3_May_2017.pdf)

# Outgoing liaison discussion

- IEEE 1588
- ITU-T SG15 – 5G transport
- ITU-T SG15 - CFM
- ITU-T SG15 - full timing support
- 3GPP RAN3
- ODVA
  
- IETF IS-IS – LLC encapsulation

# Motions - Administrative



# MOTION

- 802.1 approves the March 2017 (Plenary) and May 2017 (Interim) minutes:

<http://ieee802.org/1/files/public/minutes/2017-03-minutes.pdf>

<http://ieee802.org/1/files/public/minutes/2017-05-minutes.pdf>

Proposed: Jessy Rouyer Seconded: John Messenger

- Approved by Acclamation

# MOTION

- IEEE 802.1 WG approves to hold three plenary sessions at the November IEEE 802 plenary as follows:
  - Opening plenary – Monday AM2
  - Midweek plenary – Wednesday PM1
  - Closing plenary – Friday AM2

Proposed: Eric Gray    Seconded:    Janos Farkas

- Approved by Acclamation

# Motion: Conference Calls

- Approve virtual conferences Monthly on the last Wednesday of every month from 9AM (US-Eastern) to 10AM (US-Eastern) to facilitate IEEE 802 YANG editor coordination.
- Access information is <http://join.me/ieee802.1> and will also be posted on the <http://www.ieee802.org/1> page and will be updated as necessary.
- Proposed: Marc Holness
- Second: Scott Mansfield

Approved by Acclamation

# MOTION

- 802.1 approves changing the dates of the interim meeting in January 2018 as follows:

- January 22-26, 2018

802.1 approves participation in a Joint Workshop with ITU-T SG15 at ITU-T Headquarters in Geneva, Switzerland:

- January 27, 2018

- Proposed: McIntosh Second: Messenger
- Approved by Acclamation

# Motions – EC Consent agenda

# EC Consent Agenda - 1

- PARs to NesCom (ME)
  - P802.1ACct - Amendment: Support for IEEE Std 802.15.3
  - P802.1AC/Cor1 – Corrigendum 1: Logical Link Control (LLC) Encapsulation Ethertype
  - 802.1ABcu - Amendment: LLDP YANG Data Model
  - 802.1AS-Rev - Timing and Synchronization for Time-Sensitive Applications
  - 802.1CBcv - Amendment: Information Model, YANG Data Model and Management Information Base Module
  - 802.1Qcc - Stream Reservation Protocol (SRP) Enhancements and Performance Improvements
  - 802.1Qcw - Amendment: YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing
  - 802.1Qcx - Amendment: YANG Data Model for Connectivity Fault Management
  - 802.1AE - Standard for Local and Metropolitan Area Networks: Media Access Control (MAC) Security

# EC Consent Agenda - 2

- Drafts to Sponsor ballot (ME)
  - IEEE P802.1Q-rev - Bridges and Bridged Networks
  - IEEE P802.1Qcc - *conditional* – Stream Reservation Protocol (SRP) Enhancements and Performance Improvements
  - IEEE P802.1Qcp - *conditional* – YANG Data Model
- Items to SC6 (ME)
  - FDIS comment responses for IEEE 802.1Q-2014/Cor 1-2015, IEEE 802.1AB-2016, IEEE 802.1Qca-2015, IEEE 802.1Qbv-2015, and IEEE 802.1AC-2016 to SC6 under PSDO
  - IEEE P802.1Qcc, P802.1Qcp, P802.1AR-Rev and P802.1Q-Rev drafts to SC6 for information under PSDO

# PARs to NesCom



# MOTION

- Approve forwarding P802.1ACct PAR documentation in <http://www.ieee802.org/1/files/public/docs2017/ACct-draft-PAR-0517-v02.pdf> to NesCom
- Approve CSD documentation in <http://www.ieee802.org/1/files/public/docs2017/ACct-draft-CSD-0517-v02.pdf>
- Proposed: John Messenger      Second: Jessy Rouyer
- For\_26\_\_\_Against\_0\_\_Abstain\_\_0\_\_
- In EC, mover: Glenn Parsons      Second: Pat Thaler  
– (y/n/a): <y>,<n>,<a>

# MOTION

- Approve forwarding P802.1AC/Cor-1 PAR documentation in <http://ieee802.org/1/files/public/docs2017/new-messenger-ac-cor1-draft-par-0717-v3.pdf> to NesCom
- Proposed: Messenger      Second: Rouyer
- For\_27\_\_Against\_0\_\_Abstain\_\_0\_\_
- In EC, mover: Glenn Parsons      Second: Pat Thaler  
– (y/n/a): <y>,<n>,<a>
- Note: there are no CSD responses for this maintenance PAR.

# Motion

- Approve forwarding P802.1ABcu PAR documentation in <http://www.ieee802.org/1/files/public/docs2017/cu-draft-PAR-0517-v02.pdf> to NesCom
- Approve CSD documentation in <http://www.ieee802.org/1/files/public/docs2017/cu-draft-CSD-0517-v02.pdf>
- In the WG (y/n/a): 28, 0, 0
  - Proposed: János Farkas      Second: John Messenger
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Motion

- Approve forwarding P802.1AS-Rev PAR modification in <http://www.ieee802.org/1/files/public/docs2017/as-rev-PAR-modification-0517-v02.pdf> to NesCom
- In the WG (y/n/a): 30, 0, 0
  - Proposed: János Farkas      Second: John Messenger
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>
- Note: there are no CSD responses for this maintenance PAR.

# Motion

- Approve forwarding P802.1CBcv PAR documentation in <http://ieee802.org/1/files/public/docs2017/cv-draft-PAR-0517-v02.pdf> to NesCom
- Approve CSD documentation in <http://ieee802.org/1/files/public/docs2017/cv-draft-CSD-0517-v02.pdf>
- In the WG (y/n/a): 31, 0, 0
  - Proposed: János Farkas      Second: John Messenger
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Motion

- Approve forwarding P802.1Qcc PAR documentation in <http://www.ieee802.org/1/files/public/docs2017/cc-PAR-extension-0517-v01.pdf> to NesCom
- In the WG (y/n/a): 31, 0, 0
  - Proposed: János Farkas      Second: John Messenger
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>
- Note: there are no CSD responses for this maintenance PAR.

# Motion

- Approve forwarding P802.1Qcw PAR documentation in <http://ieee802.org/1/files/public/docs2017/cw-draft-PAR-0517-v02.pdf> to NesCom
- Approve CSD documentation in <http://ieee802.org/1/files/public/docs2017/cw-draft-CSD-0517-v02.pdf>
- In the WG (y/n/a): 31, 0, 0
  - Proposed: János Farkas      Second: John Messenger
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Motion

- Approve forwarding P802.1Qcx PAR documentation in <http://ieee802.org/1/files/public/docs2017/cx-draft-PAR-0517-v02.pdf> to NesCom
- Approve CSD documentation in <http://ieee802.org/1/files/public/docs2017/cx-draft-CSD-0517-v02.pdf>
- In the WG (y/n/a): 29, 0, 0
- Proposed: János Farkas                      Second: John Messenger
- In EC, mover: Glenn Parsons      Second: Pat Thaler  
– (y/n/a): <y>,<n>,<a>



# Motion

- Approve forwarding P802.1AE PAR documentation in <http://www.ieee802.org/1/files/public/docs2017/ae-seaman-rev-draft-par0717-v04.pdf> to NesCom
- In the WG (y/n/a): 29, 0, 0
  - Proposed: James McIntosh Second: John Messenger
- In EC, mover: Glenn Parsons Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>
- Note: there are no CSD responses for this maintenance PAR.

# Drafts to Sponsor Ballot

# MOTION

- Approve sending P802.1Q-Rev/D2.0 to Sponsor Ballot.
- Proposed: Messenger                      Second: Rouyer
- For\_\_33\_\_Against\_0\_\_Abstain\_\_0\_\_
- EC proposed: Parsons                      Second: Thaler
- For\_\_\_\_Against\_\_\_\_Abstain\_\_\_\_\_

\* Note: There are no CSD for this maintenance PAR.

# 802.1Q-Rev supporting info

Ballot Open Date:	07 Jun 17
Ballot Close Date:	23 Jun 17
Type:	WG recirc
Draft #:	D1.4

## RESPONSE RATE

This ballot has met the 50% returned ballot requirement.

59	Number of voters
43	votes received = 73% returned
5	abstentions

## APPROVAL RATE

The 75% affirmation requirement is being met.

38	Yes
0	No
	100% affirmative

# Motion

- Conditionally approve sending P802.1Qcc D2.0 to Sponsor Ballot
- Confirm the CSD for P802.1Qcc in <http://www.ieee802.org/1/files/public/docs2013/new-p802-1qcc-draft-5c-0513-v2.pdf>
- P802.1Qcc D1.5 had 100% approval at the end of the last WG recirculation ballot
- In the WG (y/n/a): 33, 0 , 0
  - Proposed: János Farkas      Second: John Messenger
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Supporting information P802.1Qcc

- Last WG recirculation ballot closed: 24 June 2017
- No outstanding Disapprove votes, No Must Be Satisfied comments
- Comment resolution available here: <http://ieee802.org/1/files/private/cc-drafts/d1/802-1Qcc-d1-5-dis-v01.pdf>
- Recirculation ballot will be conducted during August timeframe with comment resolution during September Interim. A possible final recirculation in September timeframe if required with comment resolution on TSN TG call(s).

Ballot results

Category	Total	Percentage
Yes	26	100.0% of yes/no
No	0	0.0% of yes/no
Abstain	9	25.71% of responding
No. of Voters	49	
Voters responding	35	71.43% of voters

# Motion

- Conditionally approve sending P802.1Qcp D2.0 to Sponsor Ballot
- Confirm the CSD for P802.1Qcp in <http://www.ieee802.org/1/files/public/docs2015/cp-draft-Qcp-csd-0715-v1.docx>
- P802.1Qcp D1.1 had 100% approval at the end of the last WG recirculation ballot
  - In the WG (y/n/a): 34, 0, 0
    - Proposed: János Farkas      Second: John Messenger
  - In EC, mover: Glenn Parsons      Second: Pat Thaler
    - (y/n/a): <y>,<n>,<a>

# Supporting information P802.1Qcp

- Last WG recirculation ballot closed:  
4 May 2017
- No outstanding Disapprove votes,  
No Must Be Satisfied comments
- Comment resolution available here:  
<http://www.ieee802.org/1/files/private/cp-drafts/d1/802-1Qcp-d1-1-dis-v02.pdf>
- Recirculation ballot will be conducted during August timeframe with comment resolution during September Interim. A possible final recirculation in September timeframe if required with comment resolution on TSN TG call(s).

Ballot results:

CATEGORY	All respondents	
	TOTAL	%
Yes	13	100%
No	0	0%
Voting Yes or No	13	100%
Abs. Time	1	
Abs. Expertise	19	
Abs. Other	3	
Voting Members	49	100%
Respondents (Voting)	33	67%
Respondents (non-Voting)	3	6%
Liaisons responding		
No. of commenters	8	
No. of comments	33	
TR	3	9%
T	10	30%
E/ER	20	61%



# JTC1 SC6 PSDO items

# MOTION

- Approve liaison of the following comment responses to ISO/IEC JTC1/SC6 under the PSDO agreement:
  - IEEE 802.1Q-2014/Cor 1-2015, IEEE 802.1AB-2016, IEEE 802.1Qca-2015, IEEE 802.1Qbv-2015, and IEEE 802.1AC-2016:
  - <http://ieee802.org/1/files/public/docs2017/liaison-randall-SC6Responses0717-v01.pdf>
- Proposed: Messenger Second: Rouyer
- For\_\_34\_\_Against\_0\_\_Abstain\_0\_\_
- EC proposed: Parsons Second: Thaler
- For\_\_\_\_Against\_\_\_\_Abstain\_\_\_\_\_

# MOTION

- Approve liaison of the following draft(s) to ISO/IEC JTC1/SC6 for information under the PSDO agreement:
  - P802.1Qcc
  - P802.1Qcp
  - P802.1AR-Rev
  - P802.1Q-Rev
- Proposed: Messenger Second: Rouyer
- For\_\_34\_\_Against\_\_0\_Abstain\_\_0\_\_
  
- EC proposed: Parsons Second: Thaler
- For\_\_\_\_Against\_\_\_\_Abstain\_\_\_\_\_

# Motions - Security

# Motions - Security

As required to request approval from 802.1 to/for:

- Request EC approval to Sponsor Ballot P802.1AR-Rev
- Security TG teleconferences to progress P802.1AR-Rev, P802.1AE-Rev, P802.1Xck, P802E and other task group matters arising.

The following motion is already part of the EC consent agenda set and is not duplicated in this set of slides:

- Request EC approval to forward the P802.1AE-Rev PAR to Nescom<sup>1</sup>

1. 802.1 has already approved (in the March 2017 meeting) a motion for the P802.1AE-Rev Editor, Mick Seaman, to prepare drafts for WG balloting.

[All notes in square brackets on the motion slides are for information only and are not part of the text of the motion.]

# MOTION

- Approve sending P802.1AR-Rev D2.2 “Secure Device Identity” to Sponsor Ballot
- Confirm the CSD for P802.1AR-Rev in <http://www.ieee802.org/1/files/public/docs2016/ar-seaman-rev-draft-csd-0916-v02.pdf>
- See <http://www.ieee802.org/1/files/private/ar-rev-drafts/d2/802-1AR-rev-d2-2-dis.pdf> for supporting documentation
  - Ballot closed 18<sup>th</sup> May 2017
  - Approve 18 Disapprove 0 Abstain 17 – Return rate > 50%
  - No Disapproves/Outstanding comments – 100% approval
  
- In the WG:  
Moved: James McIntosh Seconded: Eric Gray  
Y\_25\_N\_0\_A 0
- In the EC:  
Moved: Glenn Parsons Seconded: Pat Thaler  
Y\_\_N\_\_A

# MOTION

- 802.1 authorizes the Security Task Group to hold teleconferences to progress P802.1AR-Rev, P802.1AE-Rev, P802.1Xck, P802E 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: McIntosh Second: Weis
- Approved Acclamation

# Motions - TSN



# Motion

- Conditionally approve sending P802.1CB D2.9 to RevCom.
- Approve CSD (5C) documentation in <http://www.ieee802.org/1/files/public/docs2013/new-p802-1CB-draft-5c-0313.pdf>
- There are no outstanding Disapprove votes.
- A 10-day Recirculation #3 on D2.8 is underway, with a single rogue technical comment.
- A 10-day Recirculation #4 will be run on D2.9, which will include the fix.
  
- In the WG (y/n/a): 27, 0 , 1
  - Proposed: Norman Finn      Second: Eric Gray
  
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Supporting information 802.1CB

- Sponsor recirculation ballot #2 on D2.8 closed: 31-Mar-2017
- 0 outstanding Disapprove votes, 0 comments (at right).
- 10-day recirculation #3 on same D2.8 opened 12-Jul-2017 to accommodate a comment from a non-voter, which has been resolved “approved” by 802.1.
- 10-day recirculation #4 on D2.9 will be run immediately after #3.

## Ballot tally

### **Recirculation #2** Recirculation #1 Initial Ballot

Ballot Open Date: 16-Mar-2017

Ballot Close Date: 31-Mar-2017

Type: New

Draft #: 2.8

Ballots Received: 4

Vote Changes: 4

### **RESPONSE RATE**

This ballot has met the 75% returned ballot requirement.

100 eligible people in this ballot group.

87 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, Lack of time: 1)

---

90 votes received = 90% returned

3% abstention

### **APPROVAL RATE**

The 75% affirmation requirement is being met.

87 affirmative votes

0 negative votes with comments

---

87 votes = 100% affirmative

# Motion

- Approve forwarding P802.1Qcp PAR modification documentation in <http://ieee802.org/1/files/public/docs2017/cp-PAR-modification-draft-0717-v01.pdf> to NesCom
- Approve CSD documentation in <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0071-00-ACSD-802-1qcp.docx>
- Approve precirculation of the PAR to EC.
  
- In the WG (y/n/a): 26, 0, 0
- Proposed: Marc Holness                      Second: John Messenger

# Motion

- Approve IEEE 802.1 to be a Lead Exhibitor at the TSN/A Conference 2017 as described in this presentation  
<http://ieee802.org/1/files/public/docs2017/admin-cgunther-TSNA2017-0717-v01.pdf>,  
providing booth space is made available.
- The event is scheduled to occur on September 20-21, 2017 in Stuttgart, Germany.
- In the WG (y/n/a): 29, 0, 1
  - Proposed: Craig Gunther Second: Stephan Kehrer
- In EC, mover: Glenn Parsons Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Motion

- 802.1 authorizes János Farkas, the Editor of P802.1CM TSN for Fronthaul, to prepare drafts for and conduct Working Group balloting.
- Proposed: John Messenger
- Second: David Chen
- In the WG (y/n/a): 27, 0, 0

# Motion

- 802.1 authorizes Norman Finn, the Editor of P802.1CS Link-local Registration Protocol to prepare drafts for and conduct Task Group balloting.
- Proposed: Norman Finn
- Second: Jordon Woods
- In the WG (y/n/a): 27, 0, 0

# Motion

- Approve liaison of the following response to ODVA
  - <http://www.ieee802.org/1/files/public/docs2017/1liaison-response-ODVA-0717-v01.pdf>
- In the WG (y/n/a): 26, 0, 0
  - Proposed: Jordon Woods    Second: Mark Hantel
- In EC, mover: Glenn Parsons Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Motion

- Approve liaison of the following response (to LS 43) to ITU-T SG15
  - <http://www.ieee802.org/1/files/public/docs2017/liaison-response-ITU-T-SG15-LS43-0717-v01.pdf>
- In the WG (y/n/a): 27, 0, 0
  - Proposed: Jessy Rouyer                      Second: Geoff Garner
- In EC, mover: Glenn Parsons                      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>



# Motion

- Approve liaison of the following response (to LS 51) to ITU-T SG15
  - <http://www.ieee802.org/1/files/public/docs2017/liaison-response-ITU-T-SG15-LS51-0717-v01.pdf>
- In the WG (y/n/a): 27, 0, 0
  - Proposed: John Messenger      Second: Jessy Rouyer
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Motion

- Approve liaison of the following response (to LS 54) sent to ITU-T SG15 with copy to ITU-T SG13 WP1, JCA-IMT2020, CPRI Cooperation, NGMN, MEF, BBF, and IETF
  - <http://www.ieee802.org/1/files/public/docs2017/liaison-response-ITU-T-SG15-LS54-0717-v01.pdf>
- In the WG (y/n/a): 27, 0, 0
  - Proposed: John Messenger                      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 3GPP RAN3
  - <http://www.ieee802.org/1/files/public/docs2017/1iaison-3GPP-RAN3-0717-v01.pdf>
- In the WG (y/n/a): 29, 0, 0
  - Proposed: János Farkas      Second: David Chen
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Motion

- Approve liaison of the following letter to IEEE 1588

- <http://www.ieee802.org/1/files/public/docs2017/1/iaison-1588-0717-v01.pdf>

- In the WG (y/n/a): 29, 0, 0

- Proposed: Geoff Garner

Second: János Farkas

- In EC, mover: Glenn Parsons

Second: Pat Thaler

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

# Motion: Conference Calls

- The TSN TG will continue to have virtual conferences weekly on Mondays from 8AM (US-Pacific) to 10AM (US-Pacific).
- Access information is posted on the <http://www.ieee802.org/1/pages/tsn.html> page and will be updated as necessary.
- Agenda will be announced on the 802.1 email reflector by the Friday before.
  
- Proposed: János Farkas
- Second: Geoff Garner
  
- Approved by Acclamation

# Motion: Pre-meeting

- 802.1 resolves to hold pre-meeting(s) on the Monday morning of the November 2017 Plenary session for TSN.
- Proposed: János Farkas
- Second: Geoff Garner
- Approved by Acclamation

# Motions – DCB

## Motion: 802.1Qcn Working Group Ballot

- 802.1 authorizes Paul Bottorff and Yizhou Li, the Editors of P802.1Qcn to prepare drafts for and conduct Working Group balloting.
- Moved: Pat Thaler
- Second: Paul Bottorff
- Y 26 N 0 A 0



# P802.1Qcn PAR designation change

- Whereas the PAR designation of P802.1Qcn causes confusion with the acronym for the Quantized Congestion Notification (QCN) protocol in IEEE 802.1Q
- Authorize 802.1 chair to request that the NesCom administrator change the PAR number to P802.1Qcy
- Moved: Pat Thaler
- Second: Paul Bottorff
- Y 26 N 0 A 0

# Motions – OmniRAN

# Motion

- Approve OmniRAN TG conference calls:
  - July 25<sup>th</sup> , 09:30 AM ET, 90mins
  - Between the September 2017 interim and the November 2017 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 <https://mentor.ieee.org/omniran/bp/StartPage>
  
- Moved: Max Riegel,
- Second: Walter Pienciak
- Approved by acclamation

# Motions - Maintenance

# MOTION

- Authorize Maintenance TG to hold teleconferences on 29<sup>th</sup> August and 31<sup>st</sup> October 2017 at 11am EST if necessary. Access information will be posted to the 802.1 reflector in advance.
- Proposed: Messenger Second: Rouyer
- Approved by Acclamation

# Motions – Any others?

# MOTION

- Confirm the CSD for P802.1AS in <http://www.ieee802.org/1/files/public/docs2014/new-802-1AS-rev-draft-csd-0514-v1.pptx>
- Proposed: Messenger Second: Garner
- For: 16 Against: 0 Abstain: 0

# Motion to reconsider

- Move to reconsider forwarding PARs to NesCom for
  - P802.1CBcv
  - P802.1Qcw
  - P802.1Qcx
  - P802.1ABcu
  
- Moved: Eric Gray    Seconded: Pat Thaler
- Y 15 N 0 A 1



# Motion

- Approve forwarding P802.1CBcv PAR documentation in <http://ieee802.org/1/files/public/docs2017/cv-draft-PAR-0517-v02.pdf> to NesCom
- Approve CSD documentation in <http://ieee802.org/1/files/public/docs2017/cv-draft-CSD-0517-v02.pdf>
- In the WG (y/n/a): 1 , 11 , 0
  - Proposed: János Farkas      Second: John Messenger
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Motion: PAR and CSD development

- 802.1 authorizes the September 2017 Interim to further develop PAR and CSD for pre-circulation to the EC for an amendment to IEEE 802.1CB covering YANG and MIB modules.
- Proposed: Eric Gray
- Second: Jordon Woods
- Approved (y/n/a): 11, 0, 1

# Reconsidered Motion

- Approve forwarding P802.1Qcw PAR documentation in <http://ieee802.org/1/files/public/docs2017/cw-draft-PAR-0517-v03.pdf> to NesCom
- Approve CSD documentation in <http://ieee802.org/1/files/public/docs2017/cw-draft-CSD-0517-v02.pdf>
- In the WG (y/n/a): 12, 0, 0
  - Proposed: János Farkas      Second: John Messenger
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

# Reconsidered Motion

- Approve forwarding P802.1Qcx PAR documentation in <http://ieee802.org/1/files/public/docs2017/cx-draft-PAR-0517-v03.pdf> to NesCom
- Approve CSD documentation in <http://ieee802.org/1/files/public/docs2017/cx-draft-CSD-0517-v02.pdf>
- In the WG (y/n/a): 12, 0, 0
- Proposed: János Farkas                      Second: John Messenger
- In EC, mover: Glenn Parsons      Second: Pat Thaler  
– (y/n/a): <y>,<n>,<a>

# Reconsidered Motion

- Approve forwarding P802.1ABcu PAR documentation in <http://www.ieee802.org/1/files/public/docs2017/cu-draft-PAR-0517-v03.pdf> to NesCom
- Approve CSD documentation in <http://www.ieee802.org/1/files/public/docs2017/cu-draft-CSD-0517-v02.pdf>
- In the WG (y/n/a): 12, 0, 0
  - Proposed: János Farkas      Second: John Messenger
- In EC, mover: Glenn Parsons      Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>