802.1 Closing Plenary November 2015 Dallas, Texas, USA

Glenn Parsons

Chair, IEEE 802.1 WG

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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 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.**

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: John Messenger
  - Recording Secretary: Eric Gray
  - Security TG Chair: Mick Seaman
  - TSN TG Chair: Michael Johas Teener
  - TSN TG Vice-Chair: János Farkas
  - Data Center Bridging TG Chair: Pat Thaler
  - OmniRAN TG Chair: Max Riegel
  - Maintenance of website: John Messenger
  - Maintenance of Email exploder: Hal Keen
- **Website**
  - http://www.ieee802.org/1/

The following are 802.1 voters:

Boiger, Christian
Bottorff, Paul
Chen, David
Chen, Feng
Cheng, Weiying
Cummings, Rodney
Diarra, Aboubacar Kader
Farkas, Janos
Finn, Norman
Garner, Geoffrey
Ghanwani, Anoop
Gray, Eric
Gunther, Craig
Haddock, Stephen
Hantel, Mark
Hitt, Jeremy
Holness, Marc
Hussain, Rahil

Jeffree, Anthony
Johas Teener, Michael
Jones, Peter
Keen, Hal
Kehrer, Stephan
Kiessling, Marcel
Klein, Philippe
Korhonen, Jouni
Li, Yizhou
Mack-Crane, Ben
Mangin, Christophe
McIntosh, James
Messenger, John
Multanen, Eric
Pannell, Donald
Parsons, Glenn
Pienciak, Walter
Randall, Karen
Riegel, Maximilian

Romascanu, Dan
Rouyer, Jessy
Saltsidis, Panagiotis
Seaman, Michael
Sexton, Daniel
Specht, Johannes
Steiner, Wilfried
Tabatabaee, Vahid
Thaler, Patricia
Thornburg, David
Touve, Jeremy
Unbehagen, Paul
Weber, Karl
Weis, Brian
Woods, Jordon
Zinner, Helge
Zuniga, Juan-Carlos

The following became voting members this week:

McBeath, Tom
Noseworthy, Bob

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

Bragg, Nigel
Edge, Bob
Ellegard, Lars
Estes, David
Hsieh, Tien Yuan
Gravel, Mark
Lin, Juitse

Marks, Roger
Samii, Soheil
Sato, Atsushi
Walter, Todd
Welch, James

802.1 Chair/Vice-Chair elections

- These elections will take place during the closing 802.1 Plenary in March 2016

- Nominations are invited at any time from now until the start of the closing 802.1 Plenary in March 2016

- The existing Chair and Vice-Chair intend to stand for re-election.

- If there are multiple nominees for a post, then an election will take place in which only 802.1 voters participate and in which each voter casts a single vote for their preferred candidate. To win the election, a majority of voters present in the room is required. If a majority is not achieved, then the candidate with the least number of votes is eliminated and the vote re-taken.

- A motion to approve the winning candidate (in the case of an election) or the single nominee (in the event that there is only one candidate for the post) will then be made and voted upon by 802.1 voting members.

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802 Chair and Officer elections

- These elections will take place during the closing EC meeting in March 2016
- Positions to be filled:
  - 802 Chair
  - 802 1st Vice-Chair
  - 802 2nd Vice Chair
  - 802 Recording Secretary
  - 802 Treasurer
  - 802 Executive Secretary
- If you have ambitions to be 802 Chair, talk to Paul Nikolich to find out what is involved.
- The 802 Officers are appointed by the 802 Chair, so if you have any ambitions in that direction, talk to the candidate(s) for 802 Chair position.

Future interim meetings

- **January 18-21, 2016**
  - 802-sponsored Interim - Atlanta, GA
  - Hyatt Regency Atlanta - US$179
  - Early registration (US$500)
- **May 23-26, 2016**
  - Budapest, HU
  - Janos Farkas – Ericsson
    - http://www.ieee802.org/1/files/public/docs2015/admin-farkas-Budapest-0515.pdf
- **September 12-15, 2016**
  - York, UK
  - John Messenger – ADVA Optical Networking
    - http://www.ieee802.org/1/files/public/docs2015/admin-messenger-sep16-york-meeting-0715-v02.pdf

- **Proposals for 2017**
  - January 16-20
    - 802-sponsored Interim - Atlanta, GA
    - Hyatt Regency Atlanta - US$179
    - Registration (US$600) – includes lunch
  - May   - open
  - September   - 802.3/802.1 proposal anticipated in March

Future plenaries - 2016

- March 13-18 – Macau China
  - The Venetian® Macao
- July 24-29 – San Diego, CA USA
  - Manchester Grand Hyatt
- November 6-11 – San Antonio, TX USA
  - Grand Hyatt San Antonio

Sanity check – current workload

Project	Subject	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1Qbu	Frame preemption	Sponsor Ballot	sponsor ballot recirc	D3.1	wait for 802.3br	Dec '16
802.1Qbv	Scheduled traffic	Sponsor Ballot	RevCom pre-submit	D3.1	RevCom	Dec '16
802.1Qbz	802.11 Bridging	Sponsor Ballot	Sponsor Ballot	D2.3	Sponsor Ballot recirc	Dec '16
802.1Qca	SPB Path Control and Reservation	RevCom	Approved - Sept 3	D2.1		Dec '16
802.1CB	Frame Replication and Elimination	WG ballot	WG ballot	D2.0	WG ballot recirc	Dec '17
802.1AC-REV	MAC service	Sponsor Ballot	Sponsor Ballot	D3.0	Sponsor Ballot recirc	Dec '17
802.1Qcc	SRP enhancements & performance improvements	TG ballot	TG ballot	D0.5	TG ballot	Dec '17
802.1ARce	AR: SHA-384 and P-384 Elliptic Curve	TG ballot	Editor's draft	D0.7	TG ballot	Dec '18
802.1CF	Access network (OmniRAN)	PAR approved	PAR approved	-	Editor's draft	Dec '18
802.1AB-REV	Station and MAC Connectivity Discovery	Sponsor Ballot	sponsor ballot recirc	D1.2	RevCom	Dec '18
802.1AEcg	Ethernet data encryption devices	WG ballot	TG ballot	D0.7	WG ballot	Dec '18
802.1Qch	Cyclic queueing and forwarding	PAR approved	PAR approved	-	Editor's draft	Dec '19
802.1AS/Cor2	Tech and ed corrections	RevCom	RevCom pre-submit	D3.0	Approval	Dec '18
802.1AS-REV	Time synch enhancements	TG Ballot	TG Ballot	D2.0	TG Ballot	Dec '19
802c	Local Address space	PAR approval	Editor's draft	D0.0	TG Ballot	Dec '19
802.1Q/Cor1	Tech and ed corrections	Sponsor Ballot	RevCom pre-submit	D1.1	RevCom	Dec '19
802.1Qci	Per Stream Filtering & Policing	TG Ballot	Editor's draft	D0.2	TG Ballot	Dec '19
802.1Qcj	Auto Attach to PBB	NesCom	Editor's draft	D0.0	Editor's draft	Dec '19
802.1Xck	802.1X YANG data model	NesCom	Editor's draft	D0.1	WG ballot	Dec '19
802.1CM	Profile for Fronthaul	NesCom	Editor's draft	D0.0	Editor's draft	Dec '19
802.1Qcn	EVB VDP extension	NesCom	PAR approved		Editor's draft	Dec '19
802.1Qcp	802.1Q YANG data model	NesCom	Editor's contributions		Editor's draft	Dec '19
802d	URN Namespace	PAR precirculation	NesCom presubmit		NesCom	
802E	Privacy	NesCom	PAR approved		Editor's draft	Dec '19
802.1AX/Cor1	Tech and ed corrections	WG ballot	WG ballot	D0.2	Sponsor Ballot	Dec '19
802.1CQ	Local Address protocol	PAR precirculation	NesCom presubmit		NesCom	
802.1BA/Cor1	Tech and ed corrections	--	PAR development		NesCom	

802 reports

- IETF SC
- [JTC1 SC](#)
- [ITU SC](#)
- 802 TF

802 Task Force

- Indemnification of officers
  - Clarification in January 2016
- Get 802 program
- IEEE-SA staff
  - Program: Kathryn Bennett & Jonathan Goldberg
  - Editors: Michelle Turner & Catherine Berger
  - International: Jodi Haasz
  - MyProject: Chirstina Boyce, Greg Marchini
- myProject replacement
  - including IMAT & Mentor, WG balloting
  - Training/Tutorial in July 2016
  - Migration/Cutover in fall 2016
  - Support in November 2016

TG reports

- DCB
- TSN
- Security
  - Verbal update
- OmniRAN
- Maintenance

DCB meeting November 2015

- Responded to comments on P802.1CQ PAR

http://www.ieee802.org/1/files/public/docs2015/dcb-thaler-1cq-comments-1115.pdf

http://www.ieee802.org/1/files/public/docs2015/dcb-thaler-1CQ-par-local-address-prot-1115-v0.pdf

http://www.ieee802.org/1/files/public/docs2015/dcb-thaler-1CQ-csd-local-address-prot-1115.pdf

- Overview of 802c editor's draft – Roger Marks
  Adopted draft.
  Editor to update followed by task group ballot
- Proposed structure for 802.1Qcn draft – slides from Li YiZhou

Reviewed proposed structure.

IEEE 802.1 TSN TG Agenda

	Monday	Tuesday		Wednesday	Thursday
8:00	Qcc	Maintenance		Fronthaul, URN namespace, AS	802.1-802.11
	Opening Plenary	AC			802.3br
					New work
	lunch break				
	Qcc, Qci & Qch	CB, Qcp YANG, Qcj, UBS		AS	Closing Plenary
~6pm	Tutorials	802.1-802.15	CM intro	Social	
		Privacy			

Agenda in details: http://www.802tsn.org/agenda

802.1 Maintenance Status

Category	Count
Approved	0
Ready for Ballot	3
Complete then Ballot	8
Complete then Errata	0
Errata	0
Failed	0
Incomplete	0
Rejected	19
Published	95
Received	0
Errata Sheet Published	0
Technical experts review	4
Balloting	17
Withdrawn	0

Status Update

- 802.1Q-2014-Cor1/D1.1 is on RevCom agenda for December

- 802.1AB-Rev/D1.1 Sponsor ballot closed Oct 1st.
  - 9 comments require review.

- 802.1AC-Rev/D3.0 was out for initial Sponsor ballot
  - 60 comments. Comment resolution this week in Maintenance, TSN and Joint 802.1/802.11 meeting this week, then sponsor recirculation ballot.
  - MEC done, pool formed.

- 802.1AS-Cor2 is on RevCom agenda for December.
  - Was the final recirculation ballot done following July? Was it clean?

- 802.1AS-Rev/D2.0 was out for TG ballot before the November meeting
  - Comment resolution this week in TSN.

- 802.1AX-2014-Cor1/D0.2 WG ballot closed Oct 20th
  - Comment resolution this week in Maintenance

- 802.1Xck not yet issued for ballot.

Status Update

- Progressed
  - 7 outstanding maintenance items
    - 1 closed
  - 0 new maintenance item since September
  - 1 standard completed FDIS ballot: Std 802-2014 is now an ISO standard
  - Comments on 2 60-day ballots prepared for approval
  - 6 drafts to PSDO for information (3 already sent, 3 to send)

802.1 Stds for SC6 approval (1/2)

- PSDO approved
  - 802.1AE — - FDIS passed Oct 2013, cmnts liaised Jan 2014
  - 802.1X — - FDIS passed Oct 2013, cmnts liaised Jan 2014
  - 802.1AS (Time synch) — - FDIS passed Dec 2013, cmnts liaised May 2014
  - 802.1AB (LLDP) — - FDIS passed Dec 2013, cmnts liaised May 2014
  - 802.1AR (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 — - FDIS ballot passed Nov 2015
    NO vote w/1 cmnt; response to be drafted

- PSDO in process (FDIS)
  - 802.1Xbx — - FDIS ballot closes Jan 28th , 2016
  - 802.1Q-2014 — - FDIS ballot closes Jan 28th, 2016
  - 802.1AX-2014 — - FDIS ballot closes Nov 20th, 2015
- PSDO in process (60-day ballot)
  - 802.1BA-2011 (AVB systems) — - ballot passed w/2 cmnts; response drafted
  - 802.1BR-2012 (Port extender) — - ballot passed w/1 cmnt; response drafted

802.1 Stds for SC6 approval (2/2)

- For "Information"
- To be submitted now (802.1 work in progress)
  - 802.1Qca — Nov 2015: sent to SC6 in liaison (for info)*
  - 802.1Qbu — Nov 2015: sent to SC6 in liaison (for info)
  - 802.1Qbv — Nov 2015: sent to SC6 in liaison (for info)
  - 802.1AC-Rev — Nov 2015: Sponsor Ballot - send to SC6 for info now
  - 802.1Qbz — Nov 2015: Sponsor Ballot - send to SC6 for info now
  - 802.1AB-Rev — Nov 2015: Sponsor Ballot - send to SC6 for info now
- Next to send
  - 802.1Qbv — send for adoption when approved
  - 802.1Qca — *send for adoption when published

Incoming Liaisons

- **Maintenance:**
  - ITU-T SG15-LS258: LS on ITU-T SG15 OTNT standardization work plan **(reply in January)**
    http://www.ieee802.org/1/files/public/docs2015/liaison-SG15-LS258-OTNT_workplan-0715.zip
  - ITU-T SG15-LS272: LS on request for clarification on IEEE STD 802.1AX
    http://www.ieee802.org/1/files/public/docs2015/liaison-SG15-LS272-802.1AX-0715.docx
  - ITU-T SG15-LS290: LS on IEEE STD 802.1AX **(reply in January)**
    http://www.ieee802.org/1/files/public/docs2015/liaison-SG15-LS290-802.1AX-1115.docx

- **TSN:**
  - ITU-T SG15 on YANG
    http://www.ieee802.org/1/files/public/docs2015/liaison-SG15-LS284-1588_YANG-0915.docx
  - ITU-T SG15 on YANG and modelling
    http://www.ieee802.org/1/files/public/docs2015/liaison-SG15-LS292-YANG-modelling-1115.docx
  - MEF on YANG
    http://www.ieee802.org/1/files/public/docs2015/liaison-MEF-L00238-YANG_Service_Models-1115.docx

- **DCB**
  - IETF – NVO3 collaboration **(replied in July)**
    http://www.ieee802.org/1/files/public/docs2015/liaison-IETF-VDP-Requirement-for-NVo3-0515.pdf

Outgoing liaison discussion

- ITU-T on 802.1AX
- ITU-T on YANG
- MEF on YANG
- 1588 on pdelay
- 1588 on slave timing

Motions - Administrative

MOTION

- ■ 802.1 approves the July 2015 (Plenary) and September 2015 (Interim) minutes:

- • http://ieee802.org/1/files/public/minutes/2015-07-minutes.pdf

- • http://ieee802.org/1/files/public/minutes/2015-09-minutes.pdf

Proposed: Gray Seconded: Jeffree

- ■ Approved: by acclamation

MOTION

- 802.1 resolves to hold pre-meeting(s) on the Monday morning of the March 2016 plenary session for TSN
- Proposed: Cummings
- Second: Farkas

- Approved: by acclamation

MOTION

- 802.1 resolves to meet January 16-19, 2017 in Atlanta with the 802 wireless WGs
- Proposed: Messenger
- Second: Gray
- For_17__ Against__0__ Abstain_2__

Motions – DCB

MOTION

- 802.1 authorizes virtual conferences for discussions on proposals for 802.1Qcn VDP Extensions for NVO3. Announcements on the time and connection details will be made at least 30 days in advance on the 802.1 mailing list.
- Proposed: Pat Thaler   Second: Eric Gray
- For__22__Against__0__Abstain__2__

MOTION

- 802.1 approves the P802.1CQ (Multicast and local address assignment) CSD
  - http://www.ieee802.org/1/files/public/docs2015/dcb-thaler-1CQ-csd-local-address-prot-1115.pdf
- and requests EC approval to forward the P802.1CQ PAR to NesCom for approval.
  - http://ieee802.org/1/files/public/docs2015/dcb-thaler-clean-1CQ-par-local-address-prot-1115-v0.pdf
- Proposed: Pat Thaler
  Second: Eric Gray
- For__26__Against__0__Abstain__0__

MOTION

- 802.1 instructs the Editor for P802c (Roger Marks) to prepare drafts for Task Group balloting.

- Proposed: Pat Thaler

- Second: Tom McBeath

- For__26__Against__0__Abstain__0__

Motions - TSN

MOTION

- **802.1 reaffirms the CSD**
  - http://grouper.ieee.org/groups/802/PARs/2012-03/Qbv-pannell-draft-5C-0112-v02.pptx

- **and requests unconditional approval of the EC to forward P802.1Qbv to RevCom.**

- Proposed: János Farkas

- Second: Tony Jeffree

- For_21___Against__0__Abstain__0__

- EC proposed: Glenn Parsons   Second: Pat Thaler

P802.1Qbv supporting information

- 100% approval, so no remaining Disapprove voters or outstanding comments.
- CSD have been reaffirmed by the WG.

- BALLOT OPEN DATE: 25-Sep-2015
- BALLOT CLOSE DATE: 05-Oct-2015
- TYPE: New
- DRAFT #: D3.1
- BALLOTS RECEIVED: 3
- VOTE CHANGES: 2
- COMMENTS: 1
- RESPONSE RATE
- This ballot has met the 75% returned ballot requirement.
- 90 eligible people in this ballot group.
- 71 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: 1, Lack of time: 3)
- 75 votes received = 83% returned
-                     5% abstention
- APPROVAL RATE
- The 75% affirmation requirement is being met.
- 71 affirmative votes
- 0 negative votes with comments
- 71 votes = 100% affirmative

MOTION

- 802.1 authorizes the editor of P802.1CB (Norm Finn) to prepare drafts for Working Group balloting.

- Proposed: János Farkas
  Second: Norm Finn

- For__21__Against__0__Abstain__0__

MOTION

- 802.1 instructs the Editor for P802c (Tony Jeffree) to prepare drafts for Task Group balloting.

- Proposed: János Farkas
  Second: Tony Jeffree

- For__21__Against__0__Abstain__0__

MOTION

- 802.1 instructs the Editor for P802.1Qcp (Marc Holness) to prepare drafts for Task Group balloting.

- Proposed: János Farkas
  Second: Eric Gray

- For__21__Against__0__Abstain__0__

MOTION

- 802.1 approves the P802d CSD
  - http://www.ieee802.org/1/files/public/docs2015/new-parsons-URN-Namespace-CSD-1115.pdf
- and requests EC approval to forward the P802d PAR to NesCom.
  - http://www.ieee802.org/1/files/public/docs2015/new-parsons-URN-Namespace-PAR-1115-v01.pdf
- Proposed: János Farkas
  Second: Tony Jeffree
- For_24___Against__0__Abstain__0__

MOTION

- 802.1 authorizes the January 2016 Interim to generate a PAR and CSD for pre-circulation to the EC for Urgency Based Scheduling.

- Proposed: János Farkas
  Second: Johannes Specht

- For_25___Against__0__Abstain__0__

MOTION

- 802.1 authorizes the TSN Task Group to have virtual conferences weekly at 9AM (US Pacific) Wednesdays for TSN general topics. Access information is posted on the TSN web page
  - http://www.ieee802.org/1/pages/tsn.html

 and will be updated as necessary.
- Proposed: János Farkas
- Second: Rodney Cummings
- For__24__Against__1__Abstain__3__

MOTION

- 802.1 authorizes the TSN Task Group to have virtual conferences weekly on Mondays at 9AM (US-Pacific) for 802.1AS-related topics. Access information is posted on the TSN web page
  - http://www.ieee802.org/1/pages/tsn.html

and will be updated as necessary.

- Proposed: János Farkas
- Second: Geoff Garner
- For_21___Against__0__Abstain__0__

MOTION

- 802.1 authorizes the TSN Task Group to hold teleconferences to progress P802.1CM
  - November 24, 2015, 7 AM US Pacific Time
  - December 16, 2015, 7 AM US Pacific Time
  - February 2, 2016, 7 AM US Pacific time
  - March 1, 2016, 7 AM US Pacific time
- Access information will be announced on the 802.1 mailing list and on the TSN web page
  - http://www.ieee802.org/1/pages/tsn.html

- Proposed: János Farkas
- Second: David Chen
- For__25__ Against__0__ Abstain_0__

MOTION

- 802.1 approves the liaison response to the ITU-T Q9/15 liaison LS272 on DRNI
  - http://www.ieee802.org/1/files/public/docs2015/liaison-response-SG15-LS272-802-1AX-1115-v02.pdf

- Proposed: János Farkas
  Second: Jessy Rouyer

- For__23__Against__0__Abstain__1__

MOTION

- 802.1 approves the liaison response to the ITU-T SG15 liaison LS292 on YANG modelling
  - http://www.ieee802.org/1/files/public/docs2015/liaison-response-SG15-LS292-YANG-modelling-1115-v01.docx

- Proposed: János Farkas
  Second: James McIntosh

- For_23___Against__1__Abstain__1__

MOTION

- 802.1 approves the liaison response to the MEF liaison L00238 on YANG service models
  - http://www.ieee802.org/1/files/public/docs2015/liaison-response-MEF-L00238-YANG-Service-Models-1115-v01.docx

- Proposed: János Farkas
  Second: Eric Gray

- For__24__Against__1__Abstain__1__

MOTION

- 802.1 approves the liaison letter to IEEE 1588 on domain independent pdelay.
  - http://www.ieee802.org/1/files/public/docs2015/liaison-1588-domain-independent-pdelay-1115-v1.docx

- Proposed: János Farkas
  Second: Rodney Cummings

- For__25__Against__0__Abstain__0__

MOTION

- 802.1 approves the liaison letter to IEEE 1588 on slave timing error

  – http://www.ieee802.org/1/files/public/docs2015/liaison-1588-slave-timing-error-1115-v2.docx

- Proposed: János Farkas
  Second: Bob Noseworthy

- For__24__Against__0__Abstain__0__

Motions - Security

Motions - Security

As required to request approval from:

- 802.1 for the P802.1Xck editor prepare drafts for WG balloting[1].

- 802.1 for Security TG teleconferences[2] to progress P802.1ARce, P802.1AEcg, P802.1Xck, P802E and other task group matters arising.

1. Motions authorising P802.1AEcg working group and P802.1ARce task group balloting has already been passed. P802.1AEcg ballots and P802.1Xck ballots expected to issue prior to the March 2016 plenary.

2. Next few teleconferences already scheduled (under prior resolution) to meet 30 day requirement. The plan is to hold P802E teleconferences in addition to teleconferences on other topics to maximise participation in P802E.

MOTION

- 802.1 instructs the editor (Marc Holness) of P802.1Xck Port-Based Network Access Control – Amendment: YANG Data Model to prepare drafts for and conduct Working Group balloting.

- Proposed: Randall   Second: McIntosh
- For: 26 Against: 0   Abstain: 0

MOTION

- 802.1 authorizes the Security Task Group to hold teleconferences to progress P802.1ARce, P802.1AEcg, P802.1Xck, P802E and task group matters arising:
  - Dates/times to be announced subject to notice of at least 30 days to the 802.1 email exploder
- Proposed: Randall Second: McIntosh
- For_24___Against_0__Abstain__2__

Motions – OmniRAN

Motion

- Approve OmniRAN TG conference calls on:
  - December 10th, 10:00 AM ET
  - February 23rd, 10:00 AM ET
- Call-in details will be sent to the 802.1 reflector and made available on https://mentor.ieee.org/omniran/bp/StartPage

  Moved: Max Riegel, Second: Eric Gray

  For: 22   Against: 0   Abstain: 2

Motions - Maintenance

MOTION

- Authorize Maintenance TG to hold teleconferences on 11th January and 8th March 2016 at 11am EST if necessary. Access information will be posted to the 802.1 reflector in advance.

- Proposed: Messenger Second: Gray
- Approved by Acclamation

MOTION

- 802.1 approves the PAR for 802.1BA-2011/Cor-1 and requests EC approval to forward this PAR to NesCom.

  – http://ieee802.org/1/files/public/docs2015/new-P802-1BA-2011-Cor-1-draft-PAR-1115.pdf

- Proposed: Messenger   Second: Gray
- For__26__Against_0__Abstain__0__

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

MOTION

- 802.1 authorizes the editor (Janos Farkas) of P802.1AX-2014-Cor1 (Link Aggregation - Corrigendum 1: Technical and Editorial Corrections) to prepare a draft and conduct Working Group recirculation balloting.

- Proposed: Messenger Second: Gray
- For__26__Against_0__Abstain__0__

MOTION

- 802.1 requests EC conditional approval to forward P802.1AX-2014/Cor-1 (Link Aggregation - Corrigendum 1: Technical and Editorial Corrections) to Sponsor ballot.

- Proposed: Farkas Second: Messenger
- For_25__Against_0__Abstain__0__

- EC proposed: Parsons   Second:
- For____Against___Abstain____

Note: There are no CSD for this maintenance project.

P802.1AX-2014/Cor1 supporting information:

- No remaining Disapprove voters or outstanding comments. The one disapprove voter has indicated that he is satisfied with the resolution of his comment.
- WG recirculation ballot will be conducted following this meeting with comment resolution at the January interim if necessary.
- If necessary, a second recirculation will be conducted following the January meeting.

- BALLOT OPEN DATE: 9-Sep-2015
- BALLOT CLOSE DATE: 30-Oct-2015
- TYPE: Corrigendum
- DRAFT #: D0.2
- BALLOTS RECEIVED: 29
- VOTE CHANGES: 0
- COMMENTS: 3
- MUST BE SATISFIED COMMENTS: 0
- RESPONSE RATE
- This ballot has met the 50% returned ballot requirement.
- 50 eligible people in this ballot group.
- 15 affirmative votes
- 1 total negative votes with comments
- 1 negative votes with new comments
- 0 negative votes without comments
- 12 abstention votes: (Lack of expertise: 9, Lack of time: 3)
- 29 votes received = 58% returned
- 42% abstention
- APPROVAL RATE
- The 50% affirmation requirement is being met.
- 15 affirmative votes
- 1 negative votes with comments
- 15 votes = 53.57% affirmative

MOTION

- 802.1 approves an IEEE press release for 802.1AX (Link Aggregation)
  - http://ieee802.org/1/files/public/docs2015/ax-2014-press-release-1115-v01.pdf.
- Proposed: Farkas Second: Messenger
- For__27__Against_0__Abstain__0__

- EC proposed: Parsons Second:
- For____Against___Abstain____

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MOTION

- 802.1 requests conditional approval from the EC to forward P802.1AB-REV (Link Layer Discovery Protocol) to RevCom.
- Proposed: Messenger Second: Jeffree
- For: 25   Against: 0   Abstain: 0

- EC proposed: Parsons Second: Thaler

Note: There are no CSD for this maintenance project.

P802.1AB-REV supporting information:

- 2 remaining Disapprove voters; one from initial ballot (Douglas Dorr), one that "piled on" during the first recirc (Ben Rolfe). Comments and resolutions are on the following pages.
- Second recirc will be conducted in November 2015 timeframe; possible (but unlikely) third recirc if necessary for final cleanup.

- BALLOT OPEN DATE: 21-Sep-2015
- BALLOT CLOSE DATE: 01-Oct-2015
- TYPE: Revision
- DRAFT #: D1.1
- BALLOTS RECEIVED: 5
- VOTE CHANGES: 3
- COMMENTS: 9
- MUST BE SATISFIED COMMENTS: 8
- RESPONSE RATE
- This ballot has met the 75% returned ballot requirement.
- 83 eligible people in this ballot group.
- 66 affirmative votes
- 2 total negative votes with comments
- 1 negative votes with new comments
- 0 negative votes without comments
- 2 abstention votes: (Lack of expertise: 1, Lack of time: 1)
- 70 votes received = 84% returned
- 2% abstention
- APPROVAL RATE
- The 75% affirmation requirement is being met.
- 66 affirmative votes
- 2 negative votes with comments
- 68 votes = 97% affirmative

CI 02   *SC* 2   *P* 3   *L* 3   # i-11
Dorr, Douglas   Electric Power Resear

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

26 unique references cannot be "indispensible" - This suggests to the reader "must" obtain every one of these documents is not practical.

SuggestedRemedy

List just the 802 series documents as indispensible and list the remainder of the docs as useful references.

Response   *Response Status* **W**

REJECT. This is a list of those references that are indispensible. Each one of those references is required in order to meet a "shall" or a "may" in the normative text.

CI 02   *SC* 2   *P* 3   *L* 4   # i-12
Dorr, Douglas   Electric Power Resear

Comment Type   **ER**   *Comment Status* **R**

The text states "so each referenced document is cited in the text and its relationship to this document is explained)."

These relationships are not explained - for example the only place RFC 1812 appears in the doc is in Table 8-4

SuggestedRemedy

Remove the statement (so each referenced document is cited in the text and its relationship to this document is explained).

Response   *Response Status* **W**

REJECT. This is standard boilerplate text for the references clause, as per the IEEE style guide. In the example given, the presence of the reference in the table explains where the reader should go in order to understand that table element.

CI 04   *SC* 4   *P* 6   *L* 30   # i-13
Dorr, Douglas   Electric Power Resear

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

LLDPDU is listed as LLDP data unit - ie an acronym to describe part of the acronym. The reader should not have to refer to other points in document to understand the full acronym.

SuggestedRemedy

Spell out full acronym for all occurrences where an acronym is used in the section.

Response   *Response Status* **W**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general   Comment ID i-13   Page 1 of 1
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed Z/withdrawn   10/11/2015 22:39:40
SORT ORDER: Comment ID

CI 01   **SC** 1.1   **P** 2   **L** 9   **#** r01-1

Rolfe, Benjamin   Blind Creek Associate

Comment Type   **ER**   **Comment Status**   **R**

The scope of the standard does not match the scope of the PAR (if only by a little).

SuggestedRemedy

revise last list item to match the PAR

Response   **Response Status**   **C**

REJECT. Current SA rules do not require that the scope in the draft is identical in wording to the scope in the PAR. The requirement is that the content of the document does not exceed the scope stated in the PAR.

CI 02   **SC** 2   **P** 3   **L** 1   **#** r01-8

Rolfe, Benjamin   Blind Creek Associate

Comment Type   **TR**   **Comment Status**   **A**

Reason for reject of comment i-11 is not correct. The statement "Each one of those references is required in order to meet a "shall" or a "may" in the normative text." is false; several of the references listed are not referenced in normative text (text with a "shall" or "may"). ssociated 'shall'

SuggestedRemedy

Move such references to the bibliography

Response   **Response Status**   **C**

ACCEPT IN PRINCIPLE. Some of the references cited by the commenter will be moved to the bibliography.

CI 02   **SC** 2   **P** 3   **L** 1   **#** r01-7

Rolfe, Benjamin   Blind Creek Associate

Comment Type   **GR**   **Comment Status**   **A**

The reason for rejecting i-12 is only half correct. The text in question is standard boilerplate. The comment is correct in stating that the reference is not properly cited; the use in table 8-4 does not meet the definition of a normative reference in the boilerplate text. No content of the referenced RFC is used in this document. Counter example is RFC 3232 which is properly cited with context, i.e. one must open up the RFC to lern what ianaAddressFamilyNumbers in order to understand the management address subtype (8.5.9.3)

SuggestedRemedy

Take all the informative references out of clause 2 and move to the bibliography.

Response   **Response Status**   **C**

ACCEPT IN PRINCIPLE. Some of the references cited by the commenter will be moved to the bibliography.

CI 02   **SC** 2   **P** 3   **L** 10   **#** r01-4

Rolfe, Benjamin   Blind Creek Associate

Comment Type   **GR**   **Comment Status**   **A**

RFC 4293 is not used as a normative reference; it is an informative reference used only in table 8-4.

SuggestedRemedy

Move to bibliography

Response   **Response Status**   **C**

ACCEPT.

CI 02   **SC** 2   **P** 3   **L** 13   **#** r01-6

Rolfe, Benjamin   Blind Creek Associate

Comment Type   **GR**   **Comment Status**   **R**

RFC 4639 is not a normative reference.
A normative reference "must be understood and used, so each referenced document is cited in the text and its relationship to this document is explained". Neither is true for this reference, thus it is informative (i.e. the user of this standard does not need to understand the content of the reference to understand what the encoding of the capabilities field means, especially when encoding the value "0")

SuggestedRemedy

move to bibliography

Response   **Response Status**   **C**

REJECT. RCF 4639 is needed in order for a user of the standard to understand when that capability should be encoded. The relationship to this document is explained - see first paragraph of 8.5.8.1. In the case of RFC 4639, this document is made specific reference to in the MIB (p76 l47).

CI 02   **SC** 2   **P** 3   **L** 14   **#** r01-5

Rolfe, Benjamin   Blind Creek Associate

Comment Type   **GR**   **Comment Status**   **A**

RFC 4546 is not a normative reference (used only in table 8-4).

SuggestedRemedy

move to bibliogrphy

Response   **Response Status**   **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

CI 02
SC 2

Page 1 of 2
10/11/2015 22:07:29

Cl **02** *SC* **2**   *P* **3** *L* **30** # r01-2

Rolfe, Benjamin   Blind Creek Associate

Comment Type **TR** *Comment Status* **A**

This is not a normative reference. It is not cited with the relationship to this document explained. As used in the text, reader would not need not understand nor use the contents of the referenced document.

SuggestedRemedy

Move to the bibliography and update 1 reference accordingly.

Response   *Response Status* **C**

ACCEPT.

Cl **02** *SC* **2**   *P* **3** *L* **32** # r01-3

Rolfe, Benjamin   Blind Creek Associate

Comment Type **GR** *Comment Status* **A**

IETF RFC 2108 is not a normative reference. It should go in the bibliography. It is only used in the capabilities bitmap to identify a capability, no content of the reference is used or referenced in this standard.

SuggestedRemedy

move to bibliography

Response   *Response Status* **C**

ACCEPT.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected RESPONSE STATUS: O/open W/written C/closed Z/withdrawn
SORT ORDER: Clause, Subclause, page, line

Cl **02**
SC **2**

Page 2 of 2
10/11/2015 22:07:30

MOTION

- 802.1 requests unconditional approval from the EC to forward P802.1Q:2014/ Cor-1 (Bridges and Bridged Networks – Technical and Editorial Corrections) to RevCom.

- Proposed: Messenger Second: Jeffree

- For: 25 Against: 0   Abstain: 0

- EC proposed: Parsons Second: Thaler

P802.1Q:2014 Cor-1 supporting information:

- No outstanding Disapproves or comments.

- BALLOT OPEN DATE: 09-Sep-2015
- BALLOT CLOSE DATE: 19-Sep-2015
- TYPE: New
- DRAFT #: D1.1
- BALLOTS RECEIVED: 1
- COMMENTS: 1
- RESPONSE RATE
- This ballot has met the 75% returned ballot requirement.
- 77 eligible people in this ballot group.
- 66 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: 2)
- 68 votes received = 88% returned
-                    2% abstention
- APPROVAL RATE
- The 75% affirmation requirement is being met.
- 66 affirmative votes
- 0 negative votes with comments
- 66 votes = 100% affirmative

MOTION

- 802.1 requests EC approval to forward P802.1AB-Rev (Station and MAC Connectivity Discovery) to ISO/IEC JTC1 SC6, for information under the PSDO agreement.

- Proposed: Messenger Second: Gray
- For_23___Against__0_Abstain__0__

- EC proposed: Parsons   Second:
- For____Against___Abstain____

MOTION

- 802.1 requests EC approval to forward the comment responses in document http://ieee802.org/1/files/public/docs2015/liaison-randall-SC6response1BAand1BR-1115-v3.pdf
- to JTC1 SC6 under the PSDO agreement. These are responses to the comments received on recent 60-day ballots of IEEE 802.1BA-2011 and IEEE 802.1BR-2012.

- Proposed: Randall   Second: Messenger
- For__26__Against__0_Abstain__0__

- EC proposed: Parsons   Second:
- For____Against___Abstain____

MOTION

- 802.1 requests EC approval to forward the comment responses in document http://ieee802.org/1/files/public/docs2015/liaison-randall-SC6response802-1115.pdf
- to JTC1 SC6 under the PSDO agreement. This is the response to the comment received on recent FDIS ballot of IEEE Std 802-2014.

- Proposed: Randall   Second: Messenger
- For__26__Against__0_Abstain__0__

- EC proposed: Parsons   Second:
- For____Against___Abstain____

MOTION

- 802.1 requests EC approval to forward IEEE Std 802.1Qbv to JTC1 SC6 for adoption under the PSDO agreement, once approved by the Standards Board.

- Proposed: Randall   Second: Messenger
- For__27__Against_0__Abstain__0__

- EC proposed: Parsons   Second:
- For____Against___Abstain____

Motions – Any others?