

802.1 Closing Plenary
November 2014
San Antonio

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

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 12 and 12a 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) (Updated January 2012)

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
 - “Personal awareness” means that the participant “is personally aware that the holder may have a potential Essential Patent Claim,” even if the participant is not personally aware of the specific patents or patent claims
 - “Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of such 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.

Administrative stuff – Upload area

- Website Upload area

- The new file upload facility can be accessed from the filenaming conventions page at:

<http://ieee802.org/1/filenaming.html>

- Please upload BEFORE presentation

802.1 officers etc

■ Officers

- Chair: Glenn Parsons
- Vice Chair: John Messenger
- Recording Secretary: Eric Gray
- Security TG Chair: Mick Seaman
- Interworking TG Chair: Steve Haddock
- TSN TG Chair: Michael Johas Teener
- 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:

Ao, Ting	Hayakawa, Hitoshi	Parsons, Glenn
Boiger, Christian	Hitt, Jeremy	Randall, Karen
Bottorff, Paul	Hussain, Rahil	Riegel, Maximilian
Chen, David	Jeffree, Anthony	Romascanu, Dan
Cheng, Weiying	Jochim, Markus	Rouyer, Jessy
Crupnicoff, Diego	Johas Teener, Michael	Saltsidis, Panagiotis
Cummings, Rodney	Jones, Peter	Sarikaya, Bechet
Diamond, Patrick	Keen, Hal	Seaman, Michael
Diarra, Aboubacar Kader	Kiessling, Marcel	Sexton, Daniel
Farkas, Janos	Klein, Philippe	Specht, Johannes
Finn, Norman	Korhonen, Jouni	Stanton, Kevin
Garner, Geoffrey	Lynch, Jeff	Steiner, Wilfried
Ghanwani, Anoop	Mack-Crane, Ben	Thaler, Patricia
Goetz, Franz	McIntosh, James	Touve, Jeremy
Gravel, Mark	Messenger, John	Tretter, Albert
Gray, Eric	Moldovansky, Anatoly	Weber, Karl
Gunther, Craig	Multanen, Eric	Wei, Yuehua
Haddock, Stephen	Pannell, Donald	Weis, Brian
		Woods, Jordon
		Zuniga, Juan-Carlos

The following became voting
members this week:

Chen, Feng

Kim, Yongbum

Mangin, Christophe

Tabatabaee, Vahid

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

Bragg, Nigel

Edge, Bob

Estes, David

Kehrer, Stephan

Lin, Juitse

Mason, Ralph

Noseworthy, Bob

Sato, Atsushi

Unbehagen, Paul

Waldo, Michael

Walter, Todd

802 reports

- IETF SC
- JTC1 SC
 - Comments on 802 in Maintenance
- ITU SC
 - ITU Plenipot update
- IEEE server blacklisting
- SA E-Tools – new myProject
 - “public review” - end of 2014
 - myProject Suite requirements in 2015
 - Voting – epoll
 - Documents - mentor

Future interim meetings

- January 12-15, 2015
 - 802-sponsored Interim
 - <http://802world.org/interim/>
 - Hyatt Regency Atlanta - US\$169
 - Early registration (US\$500) deadline – Dec 5th
- May 19-22, 2015
 - Note corrected dates, in Pittsburgh
 - John D'Ambrosia - Ethernet Alliance
 - <http://ieee802.org/1/files/public/docs2014/admin-dambrosia-may15-meeting-1014-v1.pdf>
- September 8-11, 2015
 - Michael Johas Teener – Broadcom
 - <http://www.ieee802.org/1/files/public/docs2014/admin-mjt-2015-09-interim-1114.pdf>
 - Dream Inn – US\$215
 - Meeting fee US\$500
- January 18-21, 2016
 - 802-sponsored Interim, Atlanta
 - Hyatt Regency Atlanta - US\$179
 - Early registration (US\$500)
- Spring & Fall 2016
 - Hosts?

Sanity check – current workload

Project	Subject	Stage	Draft#	Next action	PAR ends
802.1AX-REV	Link Aggregation	RevCom	D4.54	publication	Dec '16
802.1ASbt	Time synch enhancements	Editor's draft	D0.7	move to 802.1AS-revision	Dec '15
802.1Qbu	Frame preemption	TG ballot	D1.1	WG ballot	Dec '16
802.1Qbv	Scheduled traffic	WG ballot	D2.1	WG ballot	Dec '16
802.1Xbx	MKA extensions	RevCom	D1.6	publication	Dec '16
802.1Qbz	802.11 Bridging	WG ballot	D1.5	WG ballot	Dec '16
802.1Qca	SPB Path Control and Reservation	WG ballot	D1.1	WG ballot recirc	Dec '16
802.1CB	Frame Replication and Elimination	TG ballot	D0.5	TG ballot	Dec '17
802.1AC-REV	MAC service	WG ballot	D1.0	WG ballot	Dec '17
802.1Qcc	SRP enhancements & performance improve	Editor's draft	D0.2	TG ballot	Dec '17
802.1Qcd	Application VLAN TLV	Sponsor ballot	D2.1	RevCom	Dec '17
802.1ARce	AR: SHA-384 and P-384 Elliptic Curve	Editor's draft	D0.5	TG ballot	Dec '18
802.1CF	Access network (OmniRAN)	PAR approved	-	Editor's draft	Dec '18
802.1AB Cor-2	Tech and ed corrections	Sponsor ballot	D1.1	RevCom	Dec '18
802.1AEcg	Ethernet data encryption devices	Editor's draft	D0.3	TG ballot	Dec '18
802.1Qch	Cyclic queueing and forwarding	PAR precirculation	-	NesCom	
802.1AS/Cor2	Tech and ed corrections	NesCom	-	WG ballot	
802.1ASrev	Time synch enhancements	PAR precirculation		NesCom	
802c	Local Address space	PAR development		PAR precirculation	
802.1Q/Cor1	Tech and ed corrections	PAR precirculation		NesCom	

TG reports

- Interworking
- TSN
- OmniRAN
- Security
- DCB
- Maintenance

Motions - Administrative

MOTION

- 802.1 approves the July 2014 and September 2014 minutes:

<http://ieee802.org/1/files/public/minutes/2014-07-minutes.pdf>

<http://ieee802.org/1/files/public/minutes/2014-09-minutes.pdf>

Proposed: Gray Seconded: Messenger

- Approved by acclamation

MOTION

- 802.1 resolves to hold pre-meeting(s) on the Monday morning of the March 2015 plenary session for TSN
- Proposed: Teener
- Second: Gray

- Approved: by acclamation

MOTION

- 802.1 resolves to meet May 19-22, 2015 in Pittsburgh hosted by the Ethernet Alliance
- Proposed: Teener
- Second: Jeffree

- Approved
 - Y: 24 A: 2 N: 0

MOTION

- 802.1 resolves to meet September 8-11, 2015 in Santa Cruz, hosted by Broadcom
 - <http://www.ieee802.org/1/files/public/docs2014/admin-mjt-2015-09-interim-1114.pdf>

- Proposed: Teener
- Second: Jeffree
- Approved
 - Y: 23 A: 1 N: 0

MOTION

- 802.1 resolves to meet January 18-21, 2016 in Atlanta hosted by IEEE 802
- Proposed: Finn
- Second: Gray
- Approved
 - Y: 17 A: 8 N: 0

Motions - Interworking

MOTION

- Authorize 1-hour teleconferences for 802.1Qbz/802.11ak coordination on 11/24 and 12/15, at 11:00 am Eastern US time. Teleconference access details to be announced on the 802.1 reflector.
- Proposed: Haddock
- Second: Messenger
- Approved
- Y: 19 A: 5 N: 0

MOTION

- 802.1 authorizes the editor of P802.1Qca Path Control & Reservation (Janos Farkas) to prepare a draft for Working Group recirculation.
- Proposed: Haddock Second: Farkas
- For__25__Against_0__Abstain__0__
- Approved

Motion

- Authorize the January 802.1 interim to draft a PAR and CSD (including 5-Criteria), for precirculation to the EC, for an IEEE 802 project on Local Address space usage.
- Proposed: Haddock
- Second: Thaler
- For 26 Against 0 Abstain 0
- Approved

Motion

- 802.1 requests EC approval to form an 802.1 Local Address Study Group to
 - Develop a PAR and CSD for a recommendation on Local Address usage
 - Develop one or more PARs on protocols for local address acquisition
- Proposed: Haddock Second: Thaler
- For 27 Against 0 Abstain 0
- Approved

- EC proposed: Second:
- For Against Abstain

Motion

- Authorize the January 802.1 interim to draft a PAR and CSD (including 5-Criteria), for pre-circulation to the EC, for an IEEE 802.1Q amendment specifying LLDP extensions that enable devices without MAC-in-MAC capability to automatically attach to a Backbone Service Instance.
- Proposed: Haddock
- Second: Farkas

- For: 22 Against : 0 Abstain 5
- Approved

MOTION

- 802.1 approves a liaison to MEF informing them of the completion of 802.1AX-REV and attaching d4.54 and authorizes the chair to draft a liaison.
 - <http://www.ieee802.org/1/files/public/docs2014/liaison-on-802-1AX-REV-completion-1114.docx>
- Proposed: Haddock Second: Finn
- For__26__Against_0__Abstain__1__
- Approved

MOTION

- 802.1 approves a liaison to ITU-T SG15 Q9, Q10, Q12, BBF and IETF Routing & Internet areas informing them of the completion of 802.1AX-REV and attaching d4.54 and authorizes the chair to draft a liaison.
 - <http://www.ieee802.org/1/files/public/docs2014/liaison-on-802-1AX-REV-completion-1114.docx>
- Proposed: Haddock Second: Messenger
- For__24__Against__0__Abstain__0__
- Approved

MOTION

- 802.1 approves the response to the ITU-T liaison LS165.
 - <http://www.ieee802.org/1/files/public/docs2014/liaison-response-itu-t-ls165-1114.docx>
- Proposed: Haddock Second: Gray
- For __22__ Against _1__ Abstain __2__
- Approved

MOTION

- 802.1 approves the response to the ITU-T liaison LS105.
 - <http://ieee802.org/1/files/public/docs2014/liaison-response-to-itu-t-LS-105-otnt-1114-v01.pdf>
- Proposed: Haddock Second: Messenger
- For_21___Against_1___Abstain__2___
- Approved

Motions - TSN

MOTION

- Motion: The TSN TG will continue to have teleconferences weekly at 9AM (US Pacific) Wednesdays for TSN general topics. Access information is posted on the 802.org/1/pages/tsn.html page and will be updated as necessary.
- Proposed: Jeffree Second: Gunther
- Approved by acclamation

MOTION

- 802.1 authorizes the editor of P802.1Qbu (Tony Jeffree) to prepare drafts for Working Group balloting.
- Proposed: Craig Gunther
Second: Tony Jeffree
- For_22____Against__0__Abstain_0_____
- Approved

MOTION

- 802.1 authorizes the editor of P802.1CB (Norm Finn) to prepare drafts for Task Group balloting.
- Proposed: Don Pannell
Second: Norm Finn
- For 22 Against 0 Abstain 0
- Approved

MOTION

- 802.1 authorizes the editor of P802.1Qcc (Rodney Cummings) to prepare drafts for Task Group balloting.
- Proposed: Craig Gunther
Second: Rodney Cummings
- For__22__Against_0____Abstain_0____
- Approved

MOTION

- 802.1 authorizes the January 2015 interim to generate a PAR and CSD for pre-circulation to the EC for an amendment to 802.1Q: Ingress Filtering.
- Proposed: Norm Finn
Second: Tony Jeffree
- For_19___Against__0___Abstain__2___
- Approved

Motion

- 802.1 approves the CSD and requests EC approval to submit the P802.1Qch PAR to NesCom.
 - <http://www.ieee802.org/1/files/public/docs2014/ch-mjt-cyclic-queuing-and-forwarding-par-csd-0814-v01.pdf>
 - <http://www.ieee802.org/1/files/public/docs2014/ch-mjt-cyclic-queuing-and-fowarding-par-0914-v02.pdf>
- Proposed: Tony Jeffree
- Second: Norm Finn
- For 23 Against 0 Abstain 0
- Approved

- EC proposed: Second:
- For Against Abstain

MOTION

- 802.1 approves the liaison to CPRI.
 - <http://www.ieee802.org/1/files/public/docs2014/liaison-CPRI-1114-v2.docx>
- Proposed: Chen Second: Gray
- For 23 Against 0 Abstain 0
- Approved

Motions – OmniRAN

OmniRAN TG Motion

Approve conference calls until Mar 2015:

- December 16th, 10:00 AM ET
- February 10th, 10:00 AM ET
 - Moved: Max Riegel
 - Second: Mick Seaman
- Approved by acclamation

Motions - Security

Motions - Security

As required to request/ authorize:

- 802.1 authorization to call Security Task group teleconferences to progress P802.1ARce, P802.1AEcg, and other task group matters arising.

Note: Motions for P802.1ARce and P802.1AEcg draft preparation and task group balloting following PAR approval were passed in July 2014.

MOTION

- 802.1 authorizes the Security Task Group to hold teleconferences to progress P802.1AEcg, P802.1ARce, and task group matters arising:
 - November 25th 2014 at 10.00 am PST
 - December 9th 2014 at 10.00 am PST
 - Additional dates/times to be announced subject to notice of at least 30 days to the 802.1 email exploder
- Proposed: Seaman Second: Randall
- Approved by acclamation

Motions - DCB

MOTION

- 802.1 confirms the 5C, and requests EC approval to forward IEEE 802.1Qcd to RevCom.
 - <http://www.ieee802.org/1/files/public/docs2013/new-p802-1qcd-draft-5c-0513-v01.pdf>
- Sponsor Ballot results:
ballot group: 64, affirmative : 50, disapprove : 0,
abstain: 4
84% return, 100% approve
- Proposed: Thaler
- Second: Gray
- For 23 Against 0 Abstain 0

Motions – Maintenance

MOTION

- Authorize Maintenance TG to hold teleconferences on 7th January and 3rd March 2015 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 authorises the editor of P802.1AS-Cor2 (Geoff Garner) to prepare an initial draft and submit it for working group ballot following approval of the PAR
- Proposed: Messenger Second: Gray
- For_25___Against_0___Abstain__0___
- Approved

MOTION

- 802.1 approves the CSD for 802.1AS-Rev and requests EC approval to forward 802.1AS-Rev PAR to NesCom.
 - CSD: <http://ieee802.org/1/files/public/docs2014/new-802-1AS-rev-draft-csd-1114-v2.pptx>
 - PAR: <http://ieee802.org/1/files/public/docs2014/new-802-1AS-rev-draft-par-1114-v2.pdf>
- Proposed: Garner Second: Messenger
- For__23__Against_0__Abstain_0__

- EC proposed: Parsons Second: Thaler
- For____Against____Abstain_____

MOTION

- 802.1 requests EC conditional approval to forward 802.1AB-Cor2 to RevCom.
- Proposed: Messenger Second: Gray
- For_23___Against_0__Abstain_0___
- EC proposed: Parsons Second: Thaler
- For___Against___Abstain___

Note: There are no CSD for this maintenance project.

MOTION

- 802.1 confirms the 5C, and requests EC approval to forward the IEEE 802.1Qbv PAR modification to NesCom
- 5C - <http://www.ieee802.org/1/files/public/docs2012/Qbv-pannell-draft-5C-0112-v03.pdf>
- PAR - <http://www.ieee802.org/1/files/public/docs2014/bv-p802-1Qbv-par-modification-1114.pdf>

■ Proposed: Jeffree

■ Second: Finn

For 23 Against 0 Abstain 0

Approved

- EC proposed: Parsons Second: Thaler
- For____Against____Abstain____

MOTION

- 802.1 requests EC approval to forward the IEEE 802.1Q:2014 Cor-1 PAR to NesCom
 - <http://www.ieee802.org/1/files/public/docs2014/new-p802-1Q-2014-cor-1-par-1114.pdf>
 - Proposed: Jeffree
 - Second: Messenger
- For 23 Against 0 Abstain 0
- Approved
- EC proposed: Parsons Second: Thaler
 - For _____ Against _____ Abstain _____
 - Note: There are no CSD for this maintenance project.

MOTION

- 802.1 requests EC approval to forward Std 802.1AX-Rev to ISO/IEC JTC1 SC6, for ballot under the PSDO agreement after publication by IEEE.
- Proposed: Messenger Second: Gray
- For_22___Against_0__Abstain__0__
- EC proposed: Parsons Second:
- For____Against____Abstain_____

Motions – Any others?