802.1 Closing Plenary – July 2014 San Diego

Glenn Parsons

Chair, IEEE 802.1 WG

glenn.parsons@ericsson.com

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
Boiger, Christian
Bottorff, Paul
Cheng, Weiying
Crupnicoff, Diego
Cummings, Rodney
Diamond, Patrick
Diarra, Aboubacar Kader
Farkas, Janos
Finn, Norman
Fredette, Andre
Garner, Geoffrey
Ghanwani, Anoop
Goetz, Franz
Gravel, Mark
Gray, Eric
Grow, Robert
Gunther, Craig
Haddock, Stephen

Hayakawa, Hitoshi
Hitt, Jeremy
Hussain, Rahil
Jakovljevic, Mirko
Jeffree, Anthony
Jochim, Markus
Johas Teener, Michael
Keen, Hal
Kiessling, Marcel
Klein, Philippe
Lynch, Jeff
Mack-Crane, Ben
McIntosh, James
Messenger, John
Moldovansky, Anatoly
Multanen, Eric
Muyshondt, Henry

Pannell, Donald
Parsons, Glenn
Randall, Karen
Romascanu, Dan
Rouyer, Jessy
Saltsidis, Panagiotis
Schell, Rick
Seaman, Michael
Sexton, Daniel
Specht, Johannes
Stanton, Kevin
Steiner, Wilfried
Thaler, Patricia
Touve, Jeremy
Tretter, Albert
Weber, Karl
Wei, Yuehua
Woods, Jordon

The following became voting members this week:

Korhonen, Jouni
Chen, David
Jones, Peter
Sarikaya, Bechet
Riegel, Maximilian
Weis, Brian
Zuniga, Juan-Carlos

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

Chen, Feng
Edge, Bob
Gorshe, Steven
Kim, Yongbum
Mason, Ralph
Waldo, Michael
Walter, Todd

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

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**

<u>**Slide #1 (Updated January 2012)**</u>

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.

<u>Slide #4 (Updated January 2012)</u>

Task Group Patent policy announcements

- **TG Chairs please note:**
  - At the start of each TG meeting, TG Chair needs to perform the Call for Patents as per the previous slides.
  - During the rest of the week, please announce each morning that the meeting is subject to the Patents Policy as read and displayed at the opening of the TG meeting. If there are any responses to the call, minute it.
  - Point attendees at the PatCom website for details of the policy:

  http://standards.ieee.org/board/pat/index.html

  and for the slide set:

  http://standards.ieee.org/board/pat/pat-slideset.ppt

802 reports

- **IETF SC**
  - RFC7241
- **JTC1 SC**
  - Fast track under PSDO agreement
- **ITU SC**
  - [IEEE Internet Initiative](#)
- **SA E-Tools – new myProject**
  - New 60 day public review process end of 2014
  - myProject Suite (perl->java) replacement in 2015
- **Get IEEE 802**

Future interim meetings

- September 8th – 11th 2014: Ottawa, Glenn Parsons-Ericsson
  - Brookstreet Hotel $185 CDN
  - Meeting fee $350/$550 US
  - Hotel booking now open
    - https://aws.passkey.com/event/11207715/owner/7814428/home
- January 12-15, 2015
  - 802-sponsored Interim, Atlanta
- May 12-15 2015: John D'Ambrosia - Ethernet Alliance
  - http://ieee802.org/1/files/public/docs2013/admin-ea-offer-to-host-may2014-15-0713.pdf
- September 8-11, 2015
  - York ? Santa Cruz ?
- January 2016
  - 802-sponsored Interim, Atlanta

Sanity check – current workload

Project	Subject	Stage	Draft#	Next action	PAR ends
802.1AX-REV	Link Aggregation	Sponsor ballot	D4.1	Sponsor recirc & Cond RevCom	Dec '16
802.1ASbt	Time synch enhancements	Editor's draft	D0.5	Editor's draft	Dec '15
802.1Qbu	Frame preemption	Editor's draft	D0.1	TG ballot	Dec '16
802.1Qbv	Scheduled traffic	TG ballot	D1.3	WG ballot	Dec '16
802.1Xbx	MKA extensions	Sponsor ballot	D1.6	RevCom	Dec '16
802.1Q-REV	Bridging revision	Sponsor ballot	D2.1	Sponsor recirc & Cond RevCom	Dec '16
802.1Qbz	802.11 Bridging	TG ballot	D1.4	WG ballot	Dec '16
802.1Qca	SPB Path Control and Reservation	TG ballot	D0.8	WG ballot	Dec '16
802.1CB	Frame Replication and Elimination	Editor's draft	D0.3	TG ballot	Dec '17
802.1AC-REV	MAC service	WG ballot	D1.0	WG ballot recirc	Dec '17
802.1Qcc	SRP enhancements & performance improvements	Editor's draft	D0.1	Editor's draft	Dec '17
802.1Qcd	Application VLAN TLV	WG recirc ballot	D1.1	Sponsor ballot	Dec '17
802.1ARce	AR: SHA-384 and P-384 Elliptic Curve	PAR development	-	NesCom	
802.1CF	Access network (OmniRAN)	PAR approved	-	Editor's draft	Dec '18
802.1AB Cor-2	Tech and ed corrections	WG ballot	D0.0	WG ballot recirc & cond sponsor	Dec '18
802.1AEcg	Ethernet data encryption devices	PAR development		NesCom	
802.1Qch	Synchronous queueing and forwarding	PAR development	-	PAR precirculation	
802.1AS/Cor2	Tech and ed corrections	PAR development		NesCom	
802.1ASrev	Time synch enhancements	PAR development		PAR precirculation	
802c	Local Address space	PAR development		PAR precirculation	

TG reports

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

IEEE Std 802

- Is now published…

MOTION

- 802.1 approves the March 2014 and May 2014 minutes:

http://www.ieee802.org/1/files/public/minutes/2014-03-minutes.pdf

http://www.ieee802.org/1/files/public/minutes/2014-05-minutes.pdf

Proposed: Gray Seconded: Messenger

- Approved by acclamation

MOTION

- 802.1 resolves to hold pre-meeting(s) on the Monday morning of the November 2014 plenary session for TSN and Interworking
- Proposed: haddock
- Second: Gray

- Approved: Y:34 A: 0 N:0

MOTION

- 802.1 resolves to meet January 12-15, 2015 in Atlanta hosted by IEEE 802

- Proposed: Messenger
- Second: Gray

- Approved
  – Y: 31 A: 1 N:0

MOTION

- 802.1 resolves to meet May 12-15, 2015 hosted by the Ethernet Alliance

- Proposed: Teener
- Second: Jeffree

- Approved
  - Y: 26 A: 5 N: 0

Motions - Security

Motions - Security

As required to request/ authorize:

- 802.0 approval to forward P802.1Xbx to Revcom
- 802.0 approval to forward IEEE Std 802.1Xbx (after publication) to ISO/IEC JTC1 SC6 for adoption under the PSDO agreement.
- 802.0 approval to forward the proposed P802.1ARce PAR to Nescom.
- 802.0 approval to forward the proposed P802.1AEcg PAR to Nescom.
- 802.1 authorisation for the editor of P802.1ARce to prepare drafts and conduct task group balloting following Nescom PAR approval.
- 802.1 authorisation for the editor of P802.1AEcg to prepare drafts and conduct task group balloting following Nescom PAR approval.
- 802.1 authorization to call Security Task group teleconferences to progress P802.1ARce, P802.1AEcg, and other task group matters arising.

MOTION

- 802.1 requests EC approval to submit P802.1Xbx D1.6 to RevCom for approval as an IEEE Standard.

- Proposed: Seaman Second: Randall

- For_29__Against_0_Abstain_3___

- EC proposed: Parsons Second: Thaler

- For____Against___Abstain____

[P802.1Xbx D1.6 Port-Based Network Access Control: Amendment— MAC Security Key Agreement protocol (MKA) extensions, passed Sponsor ballot recirculation with no outstanding Disapproves and no comments received on the recirculation ballot. 62 voters, 53 responding (85% response), 46 approve (100%), 0 disapprove (no outstanding comments), 7 abstentions (13%).]

Motion

- 802.1 confirms the 5C for P802.1Xbx
- http://www.ieee802.org/1/files/public/docs2012/new-p802-1xbx-draft-5c-0112.pdf

- Proposed: Seaman
- Second: Gray
- For __34___Against__0___ Abstain _0____

MOTION

- 802.1 requests EC approval to forward IEEE Std 802.1Xbx (following publication) to ISO/IEC JTC1 SC6, for ratification under the PSDO agreement.
- Proposed: Seaman Second: Randall
- For_34__Against_0__Abstain__1__

- EC proposed: Parsons   Second: Thaler
- For____Against___Abstain____

MOTION

- 802.1 requests EC approval to forward the proposed PAR for P802.1AEcg – MAC Security – Amendment: Ethernet Data Encryption devices to NesCom.
- Proposed: Seaman Second: Randall
- For_34___Against_0__Abstain_3___

- EC proposed: Parsons   Second: Thaler
- For____Against___Abstain____

MOTION

- 802.1 requests EC approval to forward the proposed PAR for P802.1ARce – Secure Device Identity – Amendment 1: SHA-384 and P-384 Elliptic Curve to NesCom.
- Proposed: Seaman Second: Randall
- For_36__Against_0__Abstain__2__

- EC proposed: Parsons   Second: Thaler
- For____Against___Abstain____

Motion

- 802.1 confirms the CSD for P802.1AEcg http://www.ieee802.org/1/files/public/docs2014/cg-draft-aecg-csd-0714-v3.pdf

- Proposed: Seaman
- Second: Gray
- For __35___Against__0___ Abstain _1____

Motion

- 802.1 confirms the CSD for P802.1ARce
- http://www.ieee802.org/1/files/public/docs2014/ce-draft-arce-csd-0514-v2.pdf

- Proposed: Seaman
- Second: Gray
- For __34___Against__0___ Abstain _2____

MOTION

- 802.1 instructs and authorizes the editor of P802.1AEcg, Mick Seaman, to prepare drafts and conduct task group balloting following approval of the PAR by NesCom.

  .

- Proposed: Seaman Second: Randall
- For_36___Against_0__Abstain__0__

MOTION

- 802.1 instructs and authorizes the editor of P802.1ARce, Mick Seaman, to prepare drafts and conduct task group balloting following approval of the PAR by NesCom.

- Proposed: Seaman Second: Randall
- For_37__Against_0__Abstain_0___

MOTION

- 802.1 authorizes the Security Task Group to hold teleconferences (subject to notice of at least 30 days to the 802.1 email exploder) to progress P802.1AEcg, P802.1ARce, and other task group matters arising.

- Proposed: Seaman Second: Randall
- For_35__Against_1__Abstain__1__

Motions – OmniRAN

Motion #1

- To approve proposed text in document http://www.ieee802.org/1/files/public/docs2014/liaison-ieee802response-ITUTSG15-LS114-v1.docx subject to final editorial clean-up by the IEEE 802.1 chair as response to the liaison LS114 from ITU-T SG 15

  - Moved: Max Riegel
  - Second: Zuniga
  - For_33__Against__0__Abstain_1___

Motion #2

- To approve that OmniRAN TG is holding its September 2014 interim meeting at the IEEE 802 Wireless Interim meeting in Athens, Greece on September 15-18th, 2014

  - Moved: Max Riegel
  - Second: Zuniga
  - For_33__Against__0__Abstain_2___

Motion #3

- To approve that OmniRAN TG is holding conference calls on
  - Thursday, September 4th, 10:00AM ET, and
  - Tuesday, October 21st, 10:00AM.

  - Moved: Max Riegel
  - Second: Zuniga
  - For_38__Against__0__Abstain__0__

Motion #4

- To approve liaison in document http://www.ieee802.org/1/files/public/docs2014/liaison-ieee802-ITU-T-JCA-SDN-v1.docx subject to final editorial clean-up by the IEEE 802.1 chair to inform ITU-T JCA-SDN about SDN related activities in IEEE 802

    - Moved: Max Riegel
    - Second: Zuniga
    - For_38___Against__0___Abstain_1___

Motions - Interworking

MOTION

- Authorize 1-hour teleconferences for 802.1Qbz/802.11ak coordination on 7/28, 8/11, and 8/25, and subsequent dates to be announced with at least 30 days notice, at 17:00 Eastern US time. Teleconference access details to be announced on the 802.1 reflector.

- Proposed: Haddock
- Second: Finn

- Approved:
  – Y: 32 N: 0 A: 2

Motion

- 802.1 confirms the 5C
  http://www.ieee802.org/1/files/public/docs2012/new-ax-rev-draft-5c-0112.pdf and
  requests EC conditional approval to submit
  P802.1AX-REV to RevCom.

- Proposed: Haddock
- Second: Saltsidis
- For __34___Against__0___ Abstain __0___

- EC proposed: Second:
- For____Against___Abstain____

Motion

- 802.1 requests EC conditional approval to submit P802.1Q-REV to RevCom.

- Proposed: Haddock
- Second: Jeffree
- For __31___Against__0___ Abstain __1___

- EC proposed: Second:
- For____Against___Abstain____

Note: CSD were not required at PAR approval, so there are none

MOTION

- 802.1 authorizes the editor of P802.1AC-REV (John Messenger) to prepare a draft for further Working Group balloting. The ballot will also be issued to 802.16 and 802.11.

- Proposed: Haddock   Second: Messenger

- For_31__Against_0__Abstain__0__

MOTION

- 802.1 authorizes the editor of P802.1Qbz wired/wireless bridging (Norm Finn) to prepare a draft for Working Group balloting.

- Proposed: Haddock   Second: Finn

- For_31__Against_0__Abstain__0__

MOTION

- 802.1 authorizes the editor of P802.1CB Seamless Redundancy (Norm Finn) to prepare a draft for Task Group balloting.
- Proposed: Haddock   Second: Finn
- For__32__Against_0__Abstain__0__

MOTION

- 802.1 authorizes the editor of P802.1Qca Path Control & Reservation (Janos Farkas) to prepare a draft for Working Group balloting.

- Proposed: Haddock   Second: Farkas

- For__33__Against_0__Abstain__0__

Motion

- Authorize the September 802.1 interim to draft a PAR and CSD for precirculation to the EC, for an IEEE 802 amendment on Local Address space usage plan and Company ID based local MAC addresses.

- Proposed: Haddock

- Second: Jeffree

For   31   Against 1 Abstain 2

Motion

- Authorize the September 802.1 interim to draft a PAR and CSD, for pre-circulation to the EC, for an IEEE 802.1 standard specifying a Protocol for Local Address Acquisition .
- Proposed: Haddock
- Second: Finn

- Move to Table: Thaler
- Second: Gray

For 34   Against 0 Abstain 0

MOTION

- 802.1 approves the response to the ITU-T liaison LS116.
  - liaison-response-ITU-T-LS116-0714.pdf

- Proposed: Haddock   Second: Messenger
- For_30___Against_0__Abstain__0__

MOTION

- 802.1 approves the liaison to IETF regarding a side meeting on deterministic networking
  - liaison-ietf-deterministic-networking-0714.txt

- Proposed: Haddock   Second: Finn
- For_31___Against_0__Abstain__1__

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: Johas Teener   Second: Jeffree

- Approved by Acclamation

MOTION

- 802.1 authorizes the editor of P802.1Qbv (Tony Jeffree) to prepare a draft for Working Group balloting.

- Proposed: Michael Johas Teener
Second: Gunther

- For_27___Against__0__Abstain__1__

MOTION

- 802.1 authorizes the TSN TG to prepare a PAR and CSD for P802.1AS-revision Standard for Local and metropolitan area networks—Timing and Synchronization for Time-Sensitive Applications. The 802.1 Chair is authorized to pre-circulate the PAR and CSD for consideration at the November 2014 meeting.
- Proposed: Johas Teener
  Second: Garner
- For_30___Against__0__Abstain__0__

Motions - DCB

MOTION

- Authorize DCB teleconference. The call will be used to for sponsor ballot comment resolution.
  - Tuesday, 14 October, 2014, 8-10 AM Pacific
- Proposed: thaler
- Second: Jeffree

- Approved by acclamation

Motions – Maintenance

MOTION

- Authorize Maintenance TG to hold teleconferences on 2nd September and 21st October 2014 at 11am EST. Access information will be posted to the 802.1 reflector in advance.

- Proposed: Messenger Second: Gray
- Approved by acclamation

MOTION

- 802.1 requests EC approval to forward 802.1AX-Rev to ISO/IEC JTC1 SC6, for information under the PSDO agreement.

- Proposed: Messenger Second: Gray
- For_28___Against_0__Abstain_0___

- EC proposed: Parsons   Second:
- For____Against___Abstain____

MOTION

- 802.1 requests EC approval to forward Std 802 to ISO/IEC JTC1 SC6, for ratification under the PSDO agreement.

- Proposed: Messenger Second: Gray
- For_28___Against__0_Abstain__0__

- EC proposed: Parsons   Second:
- For____Against___Abstain____

MOTION

- 802.1 requests EC approval to forward Std 802.1Q-Rev, once published, to ISO/IEC JTC1 SC6, for ratification under the PSDO agreement after publication by IEEE.

- Proposed: Messenger Second: Gray
- For_27___Against_0__Abstain__0__

- EC proposed: Parsons   Second:
- For____Against___Abstain____

MOTION

- 802.1 requests EC approval to forward 802.1AB-Rev PAR to NesCom.

- Proposed: Messenger Second: Gray
- For_28___Against_0__Abstain__0__

- EC proposed: Parsons   Second:
- For____Against___Abstain____

Note there is no CSD as this is only a rollup of existing corrigenda

MOTION

- 802.1 requests EC approval to forward 802.1AS-Cor2 PAR to NesCom.

- Proposed: Messenger Second: Gray
- For_30___Against_0__Abstain_0___

- EC proposed: Parsons   Second:
- For____Against___Abstain____

Note there is no CSD as this is a corrigendum

MOTION

- 802.1 requests EC approval to forward 802.1AB-Cor2 D0.0 to Sponsor Ballot.

- Proposed: Jeffree Second: Gray
- For_25___Against_0__Abstain_0___

- EC proposed: Parsons   Second:
- For____Against___Abstain____

Note there is no CSD as this is a corrigendum

Motions – Any others?