802.1 Closing Plenary
March 2016
Macau, China

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 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

Note: WG includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.
Participants, 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

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
Farkas, Janos
Finn, Norman
Garner, Geoffrey
Gray, Eric
Gunther, Craig
Haddock, Stephen
Hantel, Mark
Holness, Marc
Jeffree, Anthony
Johas Teener, Michael
Keen, Hal
Kehrer, Stephan
Kiessling, Marcel
Klein, Philippe
Korhonen, Jouni
Li, Yizhou
Mangin, Christophe
McBeath, Tom
McIntosh, James
Messenger, John
Nakano, Hiroki
Noseworthy, Bob
Pannell, Donald
Parsons, Glenn
Pienciak, Walter
Randall, Karen
Riegel, Maximilian
Romascunu, Dan
Rouyer, Jessy
Saltsidis, Panagiotis
Seaman, Michael
Sexton, Daniel
Specht, Johannes
Steiner, Wilfried
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:

Samii, Soheil
The following will become voting members when/if they show up here this week:

Huang, Lu

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

Bjørnstad, Steinar
Edge, Bob
Ellegard, Lars
Gravel, Mark
Hsieh, Tien Yuan
Lin, Juitse
Sato, Atsushi
Ryytty, Eero
Tabatabaee, Vahid
Varga, Balazs
Zebralla, Daniel
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.
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

- **May 23-26, 2016**
  - Budapest, HU
  - Janos Farkas – Ericsson

- **September 12-15, 2016**
  - York, UK
  - John Messenger – ADVA Optical Networking

- **January 16-19, 2017**
  - 802-sponsored Interim - Atlanta, GA
  - Hyatt Regency Atlanta - US$179
  - Registration (US$600) – includes lunch

- **Proposals for 2017**
  - May - open
  - September - open
Future plenaries

- July 24-29, 2016 – San Diego, CA USA
  - Manchester Grand Hyatt
- November 6-11, 2016 – San Antonio, TX USA
  - Grand Hyatt San Antonio
- March 12-17, 2017 – Vancouver, BC CANADA
  - Hyatt Regency Vancouver
- July 9-14, 2017 – Berlin GERMANY
  - Estrel
- November 5-10, 2017 – Orlando, FL USA
  - Caribe Royale
Public Review

- Starting on 6 July 2015, all eligible projects where a Sponsor ballot is initiated will also have a Public Review period initiated simultaneously.
  - [https://publicreview.standards.ieee.org](https://publicreview.standards.ieee.org)
  - Staff will transfer any comments to myBallot

- Status Complete
  - P802.1AC – closed Nov 9th - none

- Status Upcoming
  - P802.1AX-2014/Cor 1
  - P802.1BA-2011/Cor1
  - P802.1CB

- Questions? [FAQ](https), or ask Soo Kim…
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<td>D0.7</td>
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<td>Editor's draft</td>
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802 reports

- IETF SC
- JTC1 SC
- ITU SC
- 5G SC
- 802 TF
802 Task Force

- Indemnification of volunteer officers/editors
  - The following is an overview of the IEEE policy:
    https://mentor.ieee.org/802-ec/dcn/16/ec-16-0018-00-00EC-2016-overview-of-ieee-indemnification.pptx

- myProject replacement
  - including IMAT & Mentor, WG balloting
  - Training/Tutorial in July 2016
  - Migration/Cutover in fall 2016
  - Support in November 2016

- IEEE-SA staff support
  - Program: Jonathan Goldberg (& Kathryn Bennett)
  - Editors: Michelle Turner & Catherine Berger
  - International: Jodi Haasz
  - MyProject: Christina Boyce, Greg Marchini
TG reports

- Security
  – Did not meet
- DCB
- TSN
- OmniRAN
- Maintenance
Incoming Liaisons

- **Maintenance:**
  - ITU-T SG15 LS322 on OTNT
  - ITU-T SG15 LS 339 on MDSP
  - MOCA on 802.1AC

- **TSN:**
  - ITU-T SG13 LS139 on IMT-2020
  - ITU-T SG15 LS 332 on Synchronization
Outgoing liaison discussion

- ITU-T SG15 on 802.1CM
- ITU-T SG13 on 802.1CM
- IEC
- IEEE 1722
- AVnu
- MOCA
Motions - Administrative
MOTION

- 802.1 affirms Glenn Parsons as IEEE 802.1 WG chair

Proposed: Craig Gunther
Seconded: Eric Gray

For: 24  Against: 0  Abstain: 0
MOTION

- 802.1 affirms John Messenger as IEEE 802.1 WG vice-chair

Proposed: Tony Jeffree
Seconded: Janos Farkas

For: 27 Against: 0 Abstain: 0
MOTION

- 802.1 approves the November 2015 (Plenary) and January 2016 (Interim) minutes:

Proposed: Gray  Seconded: Messenger

- Approved by Acclamation
MOTION

- 802.1 approves the revised January 2015 (Interim) minutes:

Proposed: Gray Seconded: Messenger
- Approved by Acclamation
MOTION

- 802.1 approves the revised March 2015 (Plenary) minutes:
  

Proposed: Gray Seconded: Messenger

- Approved by Acclamation
MOTION

- 802.1 approves the revised May 2015 (Interim) minutes:
  

Proposed: Gray Seconded: Messenger

- Approved by Acclamation
MOTION

- 802.1 approves the revised July 2015 (Plenary) minutes:

  Proposed: Gray Seconded: Messenger

  Approved by Acclamation
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.

- Proposed: Pat Thaler       Second: Dan Romascianu
- Approved by Acclamation
MOTION

- 802.1 authorizes the editor of P802c (Roger Marks) to prepare drafts for and conduct Working Group balloting.
- Proposed: Pat Thaler
  Second: Eric Gray
- For_27__Against__0__Abstain__0__
MOTION

- 802.1 approves the liaison to IEEE 1722 concerning P802.1CQ

- Proposed: Thaler   Second: Gray
- For__23__Against__0__Abstain__0__
Motions - TSN
MOTION

- 802.1 resolves to hold pre-meeting(s) on the Monday morning of the July 2016 plenary session for TSN TG

- Proposed: Farkas

- Second: Cummings

- Approved: by Acclamation
MOTION

802.1 reaffirms the 5C:
and requests EC approval to forward P802.1Qbu, Frame Preemption, to RevCom, conditional on P802.3br being forwarded at the same time.

- Proposed: Jeffree
- Second: Gray
- For__28__Against__0__Abstain__0__

- EC proposed: Parsons Second: Thaler
- For____Against____Abstain_____
P802.1Qbu
supporting information

- BALLOT OPEN DATE: 25-Sep-2015
- BALLOT CLOSE DATE: 05-Oct-2015
- TYPE: New
- DRAFT #: D3.1
- BALLOTS RECEIVED: 3
- VOTE CHANGES: 3
- COMMENTS: 1 (This was “Meets editorial requirements” from staff)

RESPONSE RATE
- This ballot has met the 75% returned ballot requirement.
- 81 eligible people in this ballot group.
- 67 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)
- 69 votes received = 85% returned
- 2% abstention

APPROVAL RATE
- The 75% affirmation requirement is being met.
- 67 affirmative votes
- 0 negative votes with comments
- 67 votes = 100% affirmative
MOTION

802.1 authorizes Tony Jeffree, editor of P802d, Allocation of Uniform Resource Name (URN) values in IEEE 802 standards, to prepare a draft for and conduct Working Group balloting.

Proposed: Farkas
Second: Romascanu
For__26__Against__0__Abstain__0__
MOTION

- 802.1 authorizes Tony Jeffree, editor of P802.1Qci, Per-Stream Filtering and Policing, to prepare a draft for and conduct Working Group balloting.
- Proposed: Farkas
- Second: Gray
- For_26___Against__0__Abstain__0__
MOTION

- 802.1 authorizes Tony Jeffree, editor of P802.1Qch, Cyclic Queuing and Forwarding, to prepare a draft for and conduct Task Group balloting.

- Proposed: Farkas
- Second: Messenger

- For _27__ Against _0__ Abstain _0__
MOTION

- 802.1 authorizes the editor (Rodney Cummings) of P802.1Qcc, Stream Reservation Protocol (SRP) Enhancements and Performance Improvements, to prepare drafts for and conduct Working Group balloting.

- Proposed: János Farkas
  Second: Eric Gray

  For__28__Against__0__Abstain__0__
MOTION

- 802.1 authorizes the editor (Dan Romascanu) of P802.1Qcj, Automatic Attach to PBB services, to prepare drafts for and conduct Task Group balloting.

- Proposed: János Farkas
  Second: Paul Unbehagen

- For: 28  Against: 0  Abstain: 0
MOTION

- 802.1 authorizes the editor (János Farkas) of P802.1CM, TSN for Fronthaul, to prepare drafts for and conduct Task Group balloting.

- Proposed: John Messenger
  Second: Rodney Cummings

- For_26___Against__0___Abstain__0___
MOTION

- 802.1 approves the PAR and CSD, and requests EC approval to forward the 802.1Qcr Asynchronous Traffic Shaping PAR to NesCom.

- Proposed: János Farkas
  Second: Johannes Specht

- For__23__ Against__0__ Abstain__1__
MOTION

802.1 authorizes the May 2016 Interim to generate a PAR and CSD for MRP++ (new reservation protocol) for pre-circulation to the EC.

Proposed: János Farkas
Second: Marcel Kiessling

For_23___Against_0___Abstain_0___
MOTION

- 802.1 authorizes the TSN TG to continue to have virtual conferences weekly on Mondays at 9AM (US-Pacific) for 802.1AS-related topics. Access information is posted on the [http://www.ieee802.org/1/pages/tns.html](http://www.ieee802.org/1/pages/tns.html) page and will be updated as necessary.

- Proposed: János Farkas
- Second: Geoff Garner
- Approve by acclamation
MOTION

- 802.1 authorizes the TSN TG to have virtual conferences weekly at 8AM (US Pacific) Mondays for TSN general topics. Access information will be posted on the http://www.ieee802.org/1/pages/tns.html page and will be updated as necessary.

- Proposed: János Farkas
- Second: Craig Gunther
- Approve by acclamation
MOTION

- 802.1 authorizes the TSN Task Group to hold teleconferences to progress P802.1CM
  - April 6, 2016, 8 AM US Pacific Time
  - May 5, 2016, 8 AM US Pacific Time
  - June 16, 2016, 8 AM US Pacific time
  - July 7, 2016, 8 AM US Pacific time

- Access information will be posted on the http://www.ieee802.org/1/pages/tsn.html page

- Proposed: János Farkas
- Second: Craig Gunther
- Approve by acclamation
MOTION

- 802.1 approves the response to the ITU-T Q13/15 liaison LS 332

- Proposed: János Farkas
  Second: Rodney Cummings

- For_22___Against__0___Abstain__0___
MOTION

- 802.1 approves the response to the ITU-T Study Group 13 liaison LS 139

- Proposed: János Farkas
  Second: Tony Jeffree

- For_26___Against_0___Abstain_0___
MOTION

- 802.1 approves the liaison letter to AVnu Alliance on TSN features

- Proposed: János Farkas
  Second: Rodney Cummings

- For__25__Against__0__Abstain__0__
MOTION

- 802.1 approves the liaison letter to IEC SC65C WG15 on IEEE P802.1CB

- Proposed: János Farkas
  Second: Norm Finn

- For: 26
  Against: 0
  Abstain: 0
Motion

- 802.1 reaffirms the 5C
  and requests unconditional EC approval to forward P802.1Qbz, Enhancements to bridging of 802.11 media, to RevCom.

- Proposed: Norman Finn
- Second: Craig Gunther
- For __24__ Against __0__ Abstain __0__
- EC proposed: Glenn Parsons Second:
P802.1Qbz D2.4 Sponsor ballot results

Sponsor Ballot Open Date: 22-Jan-2016
Ballot Close Date: 06-Feb-2016
Ballots Received: 10
Vote Changes: 2
Comments: 1 (from IEEE-SA staff editors, approving the document)

RESPONSE RATE This ballot has met the 75% returned ballot requirement.
115 eligible people in this ballot group.
91 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: 1, Other: 2)
95 votes received = 82% returned  4% abstention

APPROVAL RATE The 75% affirmation requirement is being met.
91 affirmative votes
0 negative votes with comments
91 votes = 100% affirmative
Motions - Security
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: Gray Seconded: Messenger

For ___18___ Against ___0___ Abstain ___0___
Motions – OmniRAN
Motion

- 802.1 approves OmniRAN TG conference calls on:
  - April 19th, 09:30 AM ET, 90mins
  - June 21st, 09:30 AM ET, 90mins
  - Agenda and call-in details will be made available on the 802.1 mailing list and on https://mentor.ieee.org/omniran/bp/StartPage

Moved: Max Riegel, Second: Walter Pienciak
Approve by acclamation
Motion

- 802.1 instructs the Editor (Walter Pienciak) for P802.1CF, Network reference model and functional description of 802 access network, to prepare drafts for and conduct Task Group balloting.

- Proposed: Max Riegel
  Second: Tony Jeffree

- For_17___Against_0___Abstain_2___
Motions - Maintenance
MOTION

- 802.1 authorizes the Maintenance TG to hold teleconferences on 17th May and 19th July 2016 at 11am ET if necessary. Access information will be posted to the 802.1 reflector in advance.

- Proposed: Messenger Second: Gray
- Approve by acclamation
MOTION

802.1 requests EC approval to forward P802.1BA-2011 Cor-1/D0.0, AVB Systems – Technical and Editorial Corrections, to Sponsor ballot

- Proposed: Messenger
- Second: Jeffree
- For __19__     Against __0__     Abstain __0__

- EC proposed: Parsons    Second: Thaler
- For ____     Against _____     Abstain _____

* Note: There are no CSD for this maintenance PAR.
P802.1BA-2011 Cor-1 supporting material

- Initial Working Group ballot closed March 2016
- 100% approval, no comments

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<tr>
<th>Category</th>
<th>Total</th>
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<td>Voters responding</td>
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MOTION

- 802.1 requests EC approval to forward P802.1BA-2011 Cor-1/D0.0, AVB Systems – Technical and editorial corrections, to RevCom, conditional upon Sponsor ballot passing with no comments.

- Proposed: Messenger
- Second: Jeffree
- For _19___ Against __0__ Abstain __1__

- EC proposed: Parsons Second: Thaler
- For ____ Against _____ Abstain ____

* Note: There are no CSD for this maintenance PAR.
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: John Messenger
  Second: János Farkas

- For: 19
  Against: 0
  Abstain: 0

- EC proposed: Parsons
  Second: Thaler

- For: ___
  Against: ___
  Abstain: ___

* Note: There are no CSD for this maintenance PAR.
WG recirc #2 closed 6th March 2016. Results:

- **WG participation:**
  - 40/49 = 81.63%

- **Two Disapproves**
  - Most comments have been withdrawn (see 802.1AX-Rev PAR)
  - There are no unsatisfied Disapprove comments.

MOTION

802.1 requests EC approval to forward the following maintenance PAR to NesCom:
- 802.1AX-Rev “Link Aggregation”

- Proposed: Messenger    Second: Gray
- For____Against___Abstain____

- EC proposed: Parsons    Second: Thaler
- For_____Against___Abstain_____

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

- 802.1 requests EC approval to forward the comment responses in documents

  to ISO/IEC JTC1 SC6 under the PSDO agreement. These are responses to the comments received on recent FDIS ballots of IEEE Std 802.1Q-2014 and IEEE 802.1Xbx-2014.

- Proposed: Messenger Second: Gray
- For__17__Against__0__Abstain__0__
- EC proposed: Parsons Second: Thaler
- For____Against___Abstain_____
MOTION

- 802.1 requests EC approval to forward the following standards to JTC1 SC6 for adoption under the PSDO agreement:
  - 802.1AB-2016 – Station and Media Access Control Connectivity Discovery
  - 802.1Qca-2015 – Path Control and Reservation

- Proposed: Messenger     Second: Gray
- For____16__Against_0__Abstain__0__

- EC proposed: Parsons     Second: Thaler
- For_____Against____Abstain_____
MOTION

- 802.1 requests EC approval to forward 802.1Qcd-2015 (Application VLAN TLV) to ISO/IEC JTC1 SC6, for information under the PSDO agreement.

- Proposed: Messenger Second: Gray
  - For 17 Against 0 Abstain 0

- EC proposed: Parsons Second: Thaler
  - For Against Abstain
MOTION

- 802.1 approves the liaison response to MOCA:

- Proposed: Messenger     Second: Gray

- For__15__Against_0__Abstain_0___
Motions – Any others?