802.1 Plenary – July 2017
Berlin, Germany

Closing Agenda

Glenn Parsons – IEEE 802.1 WG Chair
glenn.parsons@ericsson.com
Plenary Agenda

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

The IEEE-SA strongly recommends that at each WG meeting the chair or a designee:

- Show slides #1 through #4 of this presentation
- Advise the WG attendees that:
  - The IEEE’s patent policy is described in Clause 6 of the IEEE-SA Standards Board Bylaws;
  - Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
  - There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

- Instruct the WG Secretary to record in the minutes of the relevant WG meeting:
  - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
  - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
  - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.

- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG chair review the guidance in IEEE-SA Standards Board Operations Manual 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

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

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 and Maintenance TG Chair: John Messenger
  - Recording Secretary: Jessy Rouyer
  - Security TG Chair: Mick Seaman
  - TSN TG Chair: János Farkas
  - Data Center Bridging TG Chair: Pat Thaler
  - OmniRAN TG Chair: Max Riegel
  - Maintenance of website: John Messenger & Paul Unbehagen
  - Maintenance of Email exploder: Hal Keen

- Website
  - http://www.ieee802.org/1/
The following are 802.1 voters (49):

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<tr>
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<td>Gutierrez, Marina</td>
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The following became voting members this week:

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

<table>
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<td>Baek, SeoYoung</td>
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<td>Marks, Roger</td>
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The following will lose voting member status for lack of qualifying attendance, unless they attend this week:

Gray, Eric
Ryytty, Eero
The following will lose voting member status for insufficient WG ballot return:

None.
Future interim meetings

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

- November 5-10, 2017 – Orlando, FL USA
  – Caribe Royale

- March 4-9, 2018 – Chicago, IL USA
  – Hyatt Regency O’Hare

- July 9-13, 2018 – San Diego, CA USA
  – Manchester Grand Hyatt

- November 12-16, 2018 – Bangkok, Thailand

- March 10-15, 2019 – Vancouver, BC, Canada

- July 14-19, 2019 – Vienna, Austria

- November 10-15, 2019 – Waikoloa, HI, USA
Future plenary time

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

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

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<tr>
<th>Project</th>
<th>Subject</th>
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<td>RevCom - Sept 7</td>
<td>D2.8</td>
<td>RevCom - cond</td>
<td>Dec '17</td>
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802 reports

- IETF SC
  - Joint coordination meeting this Saturday
    https://www.iab.org/activities/joint-activities/iab-ieee-coordination/

- JTC1 SC

- ITU SC

- 802 TF
  - Including open source
802 Task Force

- Standards mascots
  - Zappy @zappysquirrel
    - Squirrel with an affinity for engineering, impressionist art, and educating the world about Standards. And acorns.
  - New game

- Fellowship program
  - 4 attendees (IN, BF, SN, UG) attended, including a tutorial program

- IEEE Get 802
  - Now on IEEE Xplore

- myProject (including IMAT & Mentor, WG balloting) replacement
  - Indeterminate delay, but not earlier than Q4 2018

- IEEE-SA staff support
  - Program: Jonathan Goldberg & Kathryn Bennett
  - Editors: Michelle Turner
  - International: Jodi Haasz
IEEE Open Source offering

- **Summary (including CLA)**
  - [https://mentor.ieee.org/802-ec/dcn/17/ec-17-0103-00-00SA-ieee-open-source-offering.pdf](https://mentor.ieee.org/802-ec/dcn/17/ec-17-0103-00-00SA-ieee-open-source-offering.pdf)

- **IEEE 802 view – for EC approval**
  - Use case 3 & 4 are of interest and want to maintain current process
    - i.e., source code (YANG, MIB, etc) can be developed as part of the standards process
  - Interest with open source
    - Possible interest with being part of a trial
    - But there are concerns with the proposed process (e.g., CLA)
  - Continue with open source adhoc at next plenary
YANGsters

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

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

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

Task Group will meet Monday pm through Thursday am
Starting: Tuesday, after Maintenance and joint YANG session
       Wednesday, Thursday 9.00 am
DCB status

• IEEE 802c – Resolved publication questions on how to handle the update of the EUI, OUI and CID tutorial
• IEEE 802.1Qcn – Resolved comments from IETF NVO3 participants
• IEEE 802.1CQ – Proposals are needed.
## IEEE 802.1 TSN TG Agenda, July, 2017

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<tr>
<th>Monday</th>
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<th>Wednesday</th>
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<td>Qcc SRP&amp;Conf.</td>
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### 8:00 - 6pm

- **802 tutorials**
- **802.15 – 802.1**
- **ICAID**
- **social**

- TSN agenda details: [http://www.802tsn.org/agenda](http://www.802tsn.org/agenda)
OmniRAN report

- July 2017
OmniRAN TG Achievements

Berlin meeting, July 10th – 13th

- Completion of comment resolution of TG ballot on draft P802.1CF-D0.5
  - Resolution of the comments
  - Agreement on revision of text for 7.1 Network Setup
- Going forward to draft D0.6
  - Agreed to do another TG ballot with D0.6 to establish sound base for adding new content in St. John’s interim.
    - Commenting period until end of August
- New content for D0.7
  - Information Model
  - Time Sensitive Networking
- Estimated timeline for P802.1CF with extended scope:
  - Starting WG ballot after Sept 2017, Sponsor Ballot Mar 2018
- Preparation of contributions to IC NEND
  - Wireless Communications in the Manufacturing Fields
  - Layer 2 network virtualization
Looking forward to next session in St. John’s, NL, September 3-5, 2017

- Envisioned topics:
  - Comment resolution on D0.6
  - Editorial clean-up of whole document
  - Add section 7.9 on Information Model
  - Incorporate TSN functionality into sections 7.5 and 7.6
  - Prepare for WG ballot
  - Potentially discuss contributions to the IC NEND

- Conference calls:
  - Upcoming conference calls
    - Jul 25th, 09:30am ET
      - Editorial review of D0.6 to finalize for recirculation
      - Discuss structure of Information Model
Maintenance Task Group
Closing Report

Berlin, Germany
July 13, 2017

John Messenger
# Status Update

## 802.1 Maintenance Status

<table>
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<th>Category</th>
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<td>Technical experts review</td>
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<td>Balloting</td>
<td>25</td>
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<td>Withdrawn</td>
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</tbody>
</table>
Status Update

Progressed

- 11 outstanding maintenance items
  - 1 closed
- 4 new maintenance items since May
- Comment responses on several PSDO ballots prepared for approval
- 4 drafts to PSDO for information
## Jul 2017 Plenary Meeting

**Location:** Berlin

<table>
<thead>
<tr>
<th>Number</th>
<th>Status</th>
<th>Submitted</th>
<th>Standard</th>
<th>Clause</th>
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<tr>
<td>0177</td>
<td>Technical experts review</td>
<td>2017-01-26</td>
<td>802.1AB-2009</td>
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<td>2017-05-17</td>
<td>802.1Q</td>
<td>21.4.3</td>
<td>CFM OpCodes</td>
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<td>0187</td>
<td>Rejected</td>
<td>2017-06-24</td>
<td>802.1BA</td>
<td>12.6.1.1.3</td>
<td>802.1Q Port counter for FCS errors</td>
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<td>0188</td>
<td>Complete then Ballot</td>
<td>2017-06-29</td>
<td>802.1Q</td>
<td>8.6.8</td>
<td>Maintenance item request for transmission selection</td>
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<tr>
<td>0188</td>
<td>Complete then Ballot</td>
<td>2017-06-29</td>
<td>802.1Q</td>
<td>8.6.8</td>
<td>Maintenance item request for transmission selection</td>
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<td>2017-07-04</td>
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<td>802.1Q-2014/01.4</td>
<td>1.3</td>
<td>Introduction items for P802.1Qb and P802.1Qbu</td>
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<tr>
<td>0193</td>
<td>Complete then Ballot</td>
<td>2017-07-05</td>
<td>802.1Qbv-2015</td>
<td>12.29</td>
<td>802.1 maintenance request: Clarification of points in time for scheduled traffic</td>
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Items progressed 2/2

### Jul 2017 Plenary Meeting

**Location:** Berlin

<table>
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<tr>
<th>Number</th>
<th>Status</th>
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<td>802.1Qbw-2015</td>
<td>12.29</td>
<td>802.1 maintenance request: Clarification of points in time for scheduled traffic</td>
</tr>
</tbody>
</table>
802.1 Stds for SC6 approval (1/2)

- PSDO approved
  - 802.1AE -2006 - FDIS passed Oct 2013, cmnts liaised Jan 2014
  - 802.1X-2010 - FDIS passed Oct 2013, cmnts liaised Jan 2014
  - 802.1AS-2011 (Time synch) - FDIS passed Dec 2013, cmnts liaised May 2014
  - 802.1AB-2009 (LLDP) - FDIS passed Dec 2013, cmnts liaised May 2014
  - 802.1AR-2009 (Secure device ID) - FDIS passed Dec 2013, cmnts liaised May 2014
  - 802.1AX-2014 - FDIS passed Nov 2015; no comments
  - 802-2014 - FDIS passed Nov 2015, cmnts liaised Jan 2016
  - 802.1Xbx-2014 - FDIS passed Dec 2015; cmnts liaised 20 April
  - 802.1Q-2014 - FDIS passed Jan 2016; cmnts liaised 20 April
  - 802.1BA-2011 (AVB systems) - FDIS passed August 2016; no comments
  - 802.1BR-2012 (Port extender) - FDIS passed August 2016; no comments
  - 802.1AB-2016 (Stn & Media Acc Cntrl Conntvty Discov) - FDIS passed 4/17; China cmnts - response rvw
  - 802.1Qbv-2015 (Enh for Sch Traffic) - FDIS passed 4/17; China cmnts - response rvw
  - 802.1Qca-2015 (Path Control & Reserv) - FDIS passed 4/17; China cmnts - response rvw
  - 802.1Q-2014/Cor 1-2015 - FDIS passed 4/17; China cmnts - response rvw
802.1 Stds for SC6 approval (2/2)

- For adoption - PSDO in process (FDIS)
  - 802.1Qcd (Application VLAN TLV) - ballot passed with comments from China.
    Response sent Nov 2016; FDIS closes 18 Apr 2017
    (IEEE staff: May/June – ballot not open yet?)
  - 802.1Qbu-2016
  - 802.1Qbz-2016
  - 802.1AX-2014/Cor1-2017

- For adoption - PSDO in process (60 day pre-ballot)
  - 802.1AC-2016
  - 802d-2017 (URN Namespace)
  - 802.1AEcg-2017 (EDE devices)

- For Information
  - IEEE 802c (Local MAC Address Usage)
  - IEEE 802.1QRev

- Next to send – send for adoption/start ballots (all still TBD)
  - 802.1CB (Frame Repl & Elim for Reliability)
  - 802.1Qci (Per stream filtering & policing)
  - 802.1Qch (Cyclic Queuing & Fwding)
Industry Connections Summary
‘IEEE 802 network enhancements for the next decade’

- Kind of activity:
  - Market research into emerging IEEE 802 networking requirements

- Expected deliverable:
  - Report to 802.1 with recommendations regarding new standardization topics, documentation of use cases and user needs for those topics, and proposed organizational approaches to ensure effective participation from user communities.

- Activity duration:
  - 2 years with first draft report delivered after 1 year

- Meetings
  - First meeting this week
  - Conference calls will be set up in the fall
  - Next meeting, Tuesday evening at November plenary
  - Future outreach meetings and industry conferences/events
Incoming Liaisons

- **Maintenance:**
  - ITU-T SG15 LS48 on OTNT
  - IETF – LLC for long frames

- **TSN:**
  - ITU-T SG15 – full timing support for 802.1CM
  - ITU-T SG15 – CFM YANG
  - ITU-T SG15 – 5G transport
  - CPRI update
  - ODVA – document request

- **Plenary (for information):**
  - BBF = FlexE
Outgoing liaison discussion

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

- IETF IS-IS – LLC encapsulation
Motions - Administrative
MOTION

- 802.1 approves the March 2017 (Plenary) and May 2017 (Interim) minutes:
  http://ieee802.org/1/files/public/minutes/2017-03-minutes.pdf

Proposed: Jessy Rouyer Seconded: John Messenger

- Approved by Acclamation
MOTION

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

Proposed: Eric Gray  Seconded: Janos Farkas
- Approved by Acclamation
Motion: Conference Calls

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

- Proposed: Marc Holness
- Second: Scott Mansfield

Approved by Acclamation
MOTION

- 802.1 approves changing the dates of the interim meeting in January 2018 as follows:
  - January 22-26, 2018

802.1 approves participation in a Joint Workshop with ITU-T SG15 at ITU-T Headquarters in Geneva, Switzerland:
- January 27, 2018

- Proposed: McIntosh
- Second: Messenger
- Approved by Acclamation
Motions – EC Consent agenda
EC Consent Agenda - 1

- PARs to NesCom (ME)
  - P802.1ACct - Amendment: Support for IEEE Std 802.15.3
  - P802.1AC/Cor1 – Corrigendum 1: Logical Link Control (LLC) Encapsulation Ethertype
  - 802.1ABcu - Amendment: LLDP YANG Data Model
  - 802.1AS-Rev - Timing and Synchronization for Time-Sensitive Applications
  - 802.1CBcv - Amendment: Information Model, YANG Data Model and Management Information Base Module
  - 802.1Qcc - Stream Reservation Protocol (SRP) Enhancements and Performance Improvements
  - 802.1Qcw - Amendment: YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing
  - 802.1Qcx - Amendment: YANG Data Model for Connectivity Fault Management
  - 802.1AE - Standard for Local and Metropolitan Area Networks: Media Access Control (MAC) Security
EC Consent Agenda - 2

- **Drafts to Sponsor ballot (ME)**
  - IEEE P802.1Q-rev - Bridges and Bridged Networks
  - IEEE P802.1Qcc - *conditional* – Stream Reservation Protocol (SRP) Enhancements and Performance Improvements
  - IEEE P802.1Qcp - *conditional* – YANG Data Model

- **Items to SC6 (ME)**
  - FDIS comment responses for IEEE 802.1Q-2014/Cor 1-2015, IEEE 802.1AB-2016, IEEE 802.1Qca-2015, IEEE 802.1Qbv-2015, and IEEE 802.1AC-2016 to SC6 under PSDO
  - IEEE P802.1Qcc, P802.1Qcp, P802.1AR-Rev and P802.1Q-Rev drafts to SC6 for information under PSDO
PARs to NesCom
MOTION

- Approve forwarding P802.1ACct PAR documentation in
- Approve CSD documentation in

- Proposed: John Messenger       Second: Jessy Rouyer
- For_26___Against_0___Abstain__0___
- In EC, mover: Glenn Parsons    Second: Pat Thaler
  – (y/n/a): <y>,<n>,<a>
MOTION


- Proposed: Messenger  Second: Rouyer
  For_27 Against_0 Abstain_0

- In EC, mover: Glenn Parsons  Second: Pat Thaler
  (y/n/a): <y>,<n>,<a>

- Note: there are no CSD responses for this maintenance PAR.
Motion

• Approve forwarding P802.1ABcu PAR documentation in http://www.ieee802.org/1/files/public/docs2017/cu-draft-PAR-0517-v02.pdf to NesCom


- In the WG (y/n/a): 28, 0, 0
  - Proposed: János Farkas   Second: John Messenger

- In EC, mover: Glenn Parsons   Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>
Motion


- In the WG (y/n/a): 30, 0, 0
  - Proposed: János Farkas       Second: John Messenger

- In EC, mover: Glenn Parsons    Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

- Note: there are no CSD responses for this maintenance PAR.
Motion

- Approve forwarding P802.1CBcv PAR documentation in http://ieee802.org/1/files/public/docs2017/cv-draft-PAR-0517-v02.pdf to NesCom

- In the WG (y/n/a): 31, 0, 0
  - Proposed: János Farkas    Second: John Messenger

- In EC, mover: Glenn Parsons    Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>
Motion

• Approve forwarding P802.1Qcc PAR documentation in http://www.ieee802.org/1/files/public/docs2017/cc-PAR-extension-0517-v01.pdf to NesCom

- In the WG (y/n/a): 31, 0, 0
  - Proposed: János Farkas  Second: John Messenger

- In EC, mover: Glenn Parsons  Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

- Note: there are no CSD responses for this maintenance PAR.
Motion

• Approve forwarding P802.1Qcw PAR documentation in http://ieee802.org/1/files/public/docs2017/cw-draft-PAR-0517-v02.pdf to NesCom


- In the WG (y/n/a): 31, 0, 0
  - Proposed: János Farkas  Second: John Messenger

- In EC, mover: Glenn Parsons  Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>
Motion

- Approve forwarding P802.1Qcx PAR documentation in http://ieee802.org/1/files/public/docs2017/cx-draft-PAR-0517-v02.pdf to NesCom

- In the WG (y/n/a): 29, 0, 0
  - Proposed: János Farkas     Second: John Messenger

- In EC, mover: Glenn Parsons    Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>
Motion


- In the WG (y/n/a): 29, 0, 0
  - Proposed: James McIntosh  Second: John Messenger

- In EC, mover: Glenn Parsons  Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>

- Note: there are no CSD responses for this maintenance PAR.
Drafts to Sponsor Ballot
MOTION

- Approve sending P802.1Q-Rev/D2.0 to Sponsor Ballot.
  
  Proposed: Messenger  Second: Rouyer
  For___33___Against_0___Abstain__0___

  EC proposed: Parsons  Second: Thaler
  For_____Against____Abstain_____

* Note: There are no CSD for this maintenance PAR.
Ballot Open Date: 07 Jun 17  
Ballot Close Date: 23 Jun 17  
Type: WG recirc  
Draft #: D1.4  

<table>
<thead>
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<tbody>
<tr>
<td>This ballot has met the 50% returned ballot requirement.</td>
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| Number of voters | 59 |
| votes received | 73% returned |
| abstentions | 5 |

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<th>APPROVAL RATE</th>
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<tbody>
<tr>
<td>The 75% affirmation requirement is being met.</td>
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| Yes | 38 |
| No | 0 |
| 100% affirmative |   |
Motion

- Conditionally approve sending P802.1Qcc D2.0 to Sponsor Ballot
- Confirm the CSD for P802.1Qcc in http://www.ieee802.org/1/files/public/docs2013/new-p802-1qcc-draft-5c-0513-v2.pdf

- P802.1Qcc D1.5 had 100% approval at the end of the last WG recirculation ballot
- In the WG (y/n/a): 33, 0, 0
  - Proposed: János Farkas    Second: John Messenger
- In EC, mover: Glenn Parsons    Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>
Supporting information P802.1Qcc

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

### Ballot results

<table>
<thead>
<tr>
<th>Category</th>
<th>Total</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>26</td>
<td>100.0% of yes/no</td>
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<tr>
<td>No</td>
<td>0</td>
<td>0.0% of yes/no</td>
</tr>
<tr>
<td>Abstain</td>
<td>9</td>
<td>25.71% of responding</td>
</tr>
<tr>
<td>No. of Voters</td>
<td>49</td>
<td></td>
</tr>
<tr>
<td>Voters responding</td>
<td>35</td>
<td>71.43% of voters</td>
</tr>
</tbody>
</table>
Motion

- Conditionally approve sending P802.1Qcp D2.0 to Sponsor Ballot
- P802.1Qcp D1.1 had 100% approval at the end of the last WG recirculation ballot
  - In the WG (y/n/a): 34, 0, 0
    - Proposed: János Farkas    Second: John Messenger
  - In EC, mover: Glenn Parsons    Second: Pat Thaler
    - (y/n/a): <y>,<n>,<a>
Supporting information P802.1Qcp

- Last WG recirculation ballot closed: 4 May 2017
- No outstanding Disapprove votes, No Must Be Satisfied comments
- Recirculation ballot will be conducted during August timeframe with comment resolution during September Interim. A possible final recirculation in September timeframe if required with comment resolution on TSN TG call(s).

**Ballot results:**

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>All respondents</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>TOTAL</td>
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<tr>
<td>Yes</td>
<td>13</td>
</tr>
<tr>
<td>No</td>
<td>0</td>
</tr>
<tr>
<td>Voting Yes or No</td>
<td>13</td>
</tr>
<tr>
<td>Abs. Time</td>
<td>1</td>
</tr>
<tr>
<td>Abs. Expertise</td>
<td>19</td>
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<tr>
<td>Abs. Other</td>
<td>3</td>
</tr>
<tr>
<td>Voting Members</td>
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<tr>
<td>Respondents (Voting)</td>
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<tr>
<td>Respondents (non-Voting)</td>
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<td>Liaisons responding</td>
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<tr>
<td>No. of commenters</td>
<td>8</td>
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<tr>
<td>No. of comments</td>
<td>33</td>
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<tr>
<td>TR</td>
<td>3</td>
</tr>
<tr>
<td>T</td>
<td>10</td>
</tr>
<tr>
<td>E/ER</td>
<td>20</td>
</tr>
</tbody>
</table>
JTC1 SC6 PSDO items
MOTION

- Approve liaison of the following comment responses to ISO/IEC JTC1/SC6 under the PSDO agreement:
  - IEEE 802.1Q-2014/Cor 1-2015, IEEE 802.1AB-2016, IEEE 802.1Qca-2015, IEEE 802.1Qbv-2015, and IEEE 802.1AC-2016:

- Proposed: Messenger Second: Rouyer
  - For__34__Against__0__Abstain_0__

- EC proposed: Parsons Second: Thaler
  - For____Against____Abstain____
MOTION

- Approve liaison of the following draft(s) to ISO/IEC JTC1/SC6 for information under the PSDO agreement:
  - P802.1Qcc
  - P802.1Qcp
  - P802.1AR-Rev
  - P802.1Q-Rev

- Proposed: Messenger Second: Rouyer
- For___34___Against___0___Abstain___0___

- EC proposed: Parsons Second: Thaler
- For_____Against___Abstain____
Motions - Security
Motions - Security

As required to request approval from 802.1 to/for:

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

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

- Request EC approval to forward the P802.1AE-Rev PAR to Nescom

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

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

.docker

- Approve sending P802.1AR-Rev D2.2 “Secure Device Identity” to Sponsor Ballot
  - Ballot closed 18th May 2017
  - Approve 18 Disapprove 0 Abstain 17 – Return rate > 50%
  - No Disapproves/Outstanding comments – 100% approval

- In the WG:
  Moved: James Mcintosh Seconded: Eric Gray
  Y_25_N_0_A  0

- In the EC:
  Moved: Glenn Parsons Seconded: Pat Thaler
  Y__N__A
MOTION

- 802.1 authorizes the Security Task Group to hold teleconferences to progress P802.1AR-Rev, P802.1AE-Rev, P802.1Xck, P802E and task group matters arising:
  - Dates/times to be announced subject to notice of at least 10 days to the 802.1 email exploder

- Proposed: McIntosh Second: Weis
- Approved Acclamation
Motions - TSN
Motion

• Conditionally approve sending P802.1CB D2.9 to RevCom.
• There are no outstanding Disapprove votes.
• A 10-day Recirculation #3 on D2.8 is underway, with a single rogue technical comment.
• A 10-day Recirculation #4 will be run on D2.9, which will include the fix.

• In the WG (y/n/a): 27, 0, 1
  • Proposed: Norman Finn    Second: Eric Gray

• In EC, mover: Glenn Parsons    Second: Pat Thaler
  • (y/n/a): <y>,<n>,<a>
Supporting information 802.1CB

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

- Approve CSD documentation in https://mentor.ieee.org/802-ec/dcn/15/ec-15-0071-00-ACSD-802-1qcp.docx
- Approve precirculation of the PAR to EC.

- In the WG (y/n/a): 26, 0, 0
- Proposed: Marc Holness        Second: John Messenger
Motion

- Approve IEEE 802.1 to be a Lead Exhibitor at the TSN/A Conference 2017 as described in this presentation http://ieee802.org/1/files/public/docs2017/admin-cgunther-TSNA2017-0717-v01.pdf, providing booth space is made available.

- The event is scheduled to occur on September 20-21, 2017 in Stuttgart, Germany.

- In the WG (y/n/a): 29, 0, 1
  - Proposed: Craig Gunther Second: Stephan Kehrer

- In EC, mover: Glenn Parsons Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>
Motion

- 802.1 authorizes János Farkas, the Editor of P802.1CM TSN for Fronthaul, to prepare drafts for and conduct Working Group balloting.

  • Proposed: John Messenger
  • Second: David Chen

  • In the WG (y/n/a): 27, 0, 0
Motion

- 802.1 authorizes Norman Finn, the Editor of P802.1CS Link-local Registration Protocol to prepare drafts for and conduct Task Group balloting.

  - Proposed: Norman Finn
  - Second: Jordon Woods
  - In the WG (y/n/a): 27, 0, 0
Motion

• Approve liaison of the following response to ODVA

• In the WG (y/n/a): 26, 0, 0
  • Proposed: Jordon Woods  Second: Mark Hantel

• In EC, mover: Glenn Parsons Second: Pat Thaler
  • (y/n/a): <y>,<n>,<a>
Motion

• Approve liaison of the following response (to LS 43) to ITU-T SG15

• In the WG (y/n/a): 27, 0, 0
  • Proposed: Jessy Rouyer
  • Second: Geoff Garner

• In EC, mover: Glenn Parsons
  • (y/n/a): <y>,<n>,<a>
  • Second: Pat Thaler
Motion

• Approve liaison of the following response (to LS 51) to ITU-T SG15

• In the WG (y/n/a): 27, 0, 0
  • Proposed: John Messenger  Second: Jessy Rouyer

• In EC, mover: Glenn Parsons  Second: Pat Thaler
  • (y/n/a): <y>,<n>,<a>
Motion

• Approve liaison of the following response (to LS 54) sent to ITU-T SG15 with copy to ITU-T SG13 WP1, JCA-IMT2020, CPRI Cooperation, NGMN, MEF, BBF, and IETF

• In the WG (y/n/a): 27, 0, 0
  • Proposed: John Messenger Second: János Farkas

• In EC, mover: Glenn Parsons Second: Pat Thaler
  • (y/n/a): <y>,<n>,<a>
Motion

• Approve liaison of the following letter to 3GPP RAN3

• In the WG (y/n/a): 29, 0, 0
  • Proposed: János Farkas    Second: David Chen

• In EC, mover: Glenn Parsons    Second: Pat Thaler
  • (y/n/a): <y>,<n>,<a>
Motion

• Approve liaison of the following letter to IEEE 1588

• In the WG (y/n/a): 29, 0, 0
  • Proposed: Geoff Garner  Second: János Farkas

• In EC, mover: Glenn Parsons  Second: Pat Thaler
  • (y/n/a): <y>,<n>,<a>
Motion: Conference Calls

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

• Proposed: János Farkas
• Second: Geoff Garner

• Approved by Acclamation
Motion: Pre-meeting

• 802.1 resolves to hold pre-meeting(s) on the Monday morning of the November 2017 Plenary session for TSN.

• Proposed: János Farkas
  • Second: Geoff Garner

• Approved by Acclamation
Motions – DCB
Motion: 802.1Qcn Working Group Ballot

- 802.1 authorizes Paul Bottorff and Yizhou Li, the Editors of P802.1Qcn to prepare drafts for and conduct Working Group balloting.

- Moved: Pat Thaler
  - Second: Paul Bottorff
  - Y 26 N 0 A 0
P802.1Qcn PAR designation change

- Whereas the PAR designation of P802.1Qcn causes confusion with the acronym for the Quantized Congestion Notification (QCN) protocol in IEEE 802.1Q
- Authorize 802.1 chair to request that the NesCom administrator change the PAR number to P802.1Qcy

- Moved: Pat Thaler
- Second: Paul Bottorff
- Y 26 N 0 A 0
Motions – OmniRAN
Motion

- Approve OmniRAN TG conference calls:
  - July 25th, 09:30 AM ET, 90mins
  - Between the September 2017 interim and the November 2017 plenary with at least 10 days prior notice to the 802.1 mailing list.
    - Agenda and call-in details will be announced at least 10 days prior on the 802.1 mailing list and be made available on [https://mentor.ieee.org/omniran/bp/StartPage](https://mentor.ieee.org/omniran/bp/StartPage)

- Moved: Max Riegel,
- Second: Walter Pienciak
- Approved by acclamation
Motions - Maintenance
MOTION

- Authorize Maintenance TG to hold teleconferences on 29th August and 31st October 2017 at 11am EST if necessary. Access information will be posted to the 802.1 reflector in advance.

- Proposed: Messenger Second: Rouyer
- Approved by Acclamation
Motions – Any others?
MOTION


- Proposed: Messenger Second: Garner
- For: 16   Against: 0   Abstain: 0
Motion to reconsider

- Move to reconsider forwarding PARs to NesCom for
  - P802.1CBcv
  - P802.1Qcw
  - P802.1Qcx
  - P802.1ABcu

- Moved: Eric Gray  Seconded: Pat Thaler

- Y 15  N 0  A 1
Motion

- Approve forwarding P802.1CBcv PAR documentation in http://ieee802.org/1/files/public/docs2017/cv-draft-PAR-0517-v02.pdf to NesCom

- In the WG (y/n/a): 1, 11, 0
  - Proposed: János Farkas   Second: John Messenger

- In EC, mover: Glenn Parsons   Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>
Motion: PAR and CSD development

- 802.1 authorizes the September 2017 Interim to further develop PAR and CSD for pre-circulation to the EC for an amendment to IEEE 802.1CB covering YANG and MIB modules.

- Proposed: Eric Gray
- Second: Jordon Woods

- Approved (y/n/a): 11, 0, 1
Reconsidered Motion

- Approve forwarding P802.1Qcw PAR documentation in http://ieee802.org/1/files/public/docs2017/cw-draft-PAR-0517-v03.pdf to NesCom

- In the WG (y/n/a): 12, 0, 0
  - Proposed: János Farkas    Second: John Messenger

- In EC, mover: Glenn Parsons   Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>
Reconsidered Motion

- Approve forwarding P802.1Qcx PAR documentation in http://ieee802.org/1/files/public/docs2017/cx-draft-PAR-0517-v03.pdf to NesCom

- In the WG (y/n/a): 12, 0, 0
- Proposed: János Farkas  Second: John Messenger

- In EC, mover: Glenn Parsons  Second: Pat Thaler
  - (y/n/a): <y>,<n>,<a>
Reconsidered Motion

• Approve forwarding P802.1ABcu PAR documentation in http://www.ieee802.org/1/files/public/docs2017/cu-draft-PAR-0517-v03.pdf to NesCom

☐ In the WG (y/n/a): 12, 0, 0
  – Proposed: János Farkas  Second: John Messenger

☐ In EC, mover: Glenn Parsons  Second: Pat Thaler
  – (y/n/a): <y>,<n>,<a>