IEEE 802.1 Working Group
9-13 July 2018 Plenary Meeting
San Diego, CA, USA

Meeting Minutes
The acting 802.1 Chair, John Messenger, presided.
The 802.1 Recording Secretary, Jessy Rouyer, wrote the minutes in part based on input from 802.1 Task Group Chairs.

1 Attendance and affiliation

<p>| Last name       | First name | Affiliation                              | Mon AM TSN TG | Mon AM 802.1 Joint | Mon PM OmniRAN TG | Mon PM Security TG | Mon PM TSN TG | Mon PM YANGsters | Mon PM NENDICA | Tue AM Maintenance TG | Tue AM Security TG | Tue AM YANGsters | Tue AM TSN TG | Tue AM 802.1 Joint with 802.15 | Tue AM TSN TG (Tk A) | Tue AM 802.1 Joint with 802.15 (Tk B) | Tue PM Security TG | Tue PM TSN TG | Tue PM YANGsters | Tue PM NENDICA | Wed AM Maintenance TG | Wed AM Security TG | Wed AM YANGsters | Wed AM TSN TG (Tk A) | Wed AM TSN TG (Tk B) | Wed PM Security TG | Wed PM TSN TG | Wed PM YANGsters | Wed PM NENDICA | Thu AM TSN TG (Tk A: 60802) | Thu AM 802.1 Closing Plenary | Thu AM 802.1 Closing Plenary |
|-----------------|------------|------------------------------------------|---------------|---------------------|-------------------|-------------------|---------------|-------------------|-------------------|------------------------|-------------------|-------------------|----------------|----------------------------------|-------------------|----------------------------------|------------------|-------------------|------------------|------------------------|-------------------|-------------------|------------------|------------------------|------------------|-------------------|-----------------|------------------------|------------------|-------------------|
| Adachi          | Tomoko     | TOSHIBA Corporation                      |               |                     |                   |                   |               |                   |                   |                        |                   |                   |               |                                  |                   |                                  |                   |                   |                   |                        |                   |                   |                   |                                  |                   |                   |                   |                                  |                   |                   |
| Andersdotter    | Amelia     | Article19                                 |               |                     |                   |                   |               |                   |                   |                        |                   |                   |               |                                  |                   |                                  |                   |                   |                   |                        |                   |                   |                   |                                  |                   |                   |                   |                                  |                   |                   |
| Arokkiam        | Jerome     | OSRAM GmbH                               | ●             |                     |                   |                   |               |                   |                   |                        |                   |                   |               |                                  |                   |                                  |                   |                   |                   |                        |                   |                   |                   |                                  |                   |                   |                   |                                  |                   |                   |
| Assmann         | Ralf       | Marvell Semiconductor, Inc.              | ●             | ●                   | ●                 | ●                 | ●             | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   |                                  | ●                 | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   | ●                 | ●               |                                  |                   | ●                 |
| Baggett         | Tim        | Microchip Technology, Inc.               | ●             |                     |                   |                   |               |                   |                   |                        |                   |                   |               |                                  |                   |                                  |                   |                   |                   |                        |                   |                   |                   |                                  |                   |                   |                   |                                  |                   |                   |
| Bao             | Shenghua   | HUAWEI                                   | ●             |                     |                   |                   |               |                   |                   |                        |                   |                   |               |                                  |                   |                                  |                   |                   |                   |                        |                   |                   |                   |                                  |                   |                   |                   |                                  |                   |                   |
| Baykas          | Tuncer     | Istanbul Medipol University             |               |                     |                   |                   |               |                   |                   |                        |                   |                   |               |                                  |                   |                                  |                   |                   |                   |                        |                   |                   |                   |                                  |                   |                   |                   |                                  |                   |                   |
| Bierschenk      | Jens       | Robert Bosch GmbH                        | ●             | ●                   | ●                 | ●                 | ●             | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   |                                  | ●                 | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   | ●                 | ●               |                                  |                   | ●                 |
| Boiger          | Christian  | b-plus GmbH                              | ●             | ●                   | ●                 | ●                 | ●             | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   |                                  | ●                 | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   | ●                 | ●               |                                  |                   | ●                 |
| Bottorff        | Paul       | Hewlett-Packard Development Company, L.P. | ●             | ●                   | ●                 | ●                 | ●             | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   |                                  | ●                 | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   | ●                 | ●               |                                  |                   | ●                 |
| Brillhart       | Theodore   | Fluke Corporation                        |               |                     |                   |                   |               |                   |                   |                        |                   |                   |               |                                  |                   |                                  |                   |                   |                   |                        |                   |                   |                   |                                  |                   |                   |                   |                                  |                   |                   |
| Canchi          | Radhakrishna| Kyocera International Inc.              |               |                     |                   |                   |               |                   |                   |                        |                   |                   |               |                                  |                   |                                  |                   |                   |                   |                        |                   |                   |                   |                                  |                   |                   |                   |                                  |                   |                   |
| Chang           | Xin        | Huawei Technologies Co. Ltd              | ●             | ●                   | ●                 | ●                 | ●             | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   |                                  | ●                 | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   | ●                 | ●               |                                  |                   | ●                 |
| Chen            | David      | Nokia                                    | ●             | ●                   | ●                 | ●                 | ●             | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   |                                  | ●                 | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   | ●                 | ●               |                                  |                   | ●                 |
| Chen            | Feng       | Siemens AG                               | ●             | ●                   | ●                 | ●                 | ●             | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   |                                  | ●                 | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   | ●                 | ●               |                                  |                   | ●                 |
| Chou            | Vincent    | Marvell Semiconductor, Inc.              | ●             | ●                   | ●                 | ●                 | ●             | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   |                                  | ●                 | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   | ●                 | ●               |                                  |                   | ●                 |
| Congdon         | Paul       | Tallac Networks; Huawei                  | ●             | ●                   | ●                 | ●                 | ●             | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   |                                  | ●                 | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   | ●                 | ●               |                                  |                   | ●                 |
| Cummings        | Rodney     | National Instruments Corporation         | ●             | ●                   | ●                 | ●                 | ●             | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   |                                  | ●                 | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   | ●                 | ●               |                                  |                   | ●                 |
| DeLaOlivaDelgado| Antonio    | Universidad Carlos III Madrid           | ●             | ●                   | ●                 | ●                 | ●             | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   |                                  | ●                 | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   | ●                 | ●               |                                  |                   | ●                 |
| Dong            | Xiaoli     | Digital Video Broadcasting Project (DVB) | ●             |                     |                   |                   |               |                   |                   |                        |                   |                   |               |                                  |                   |                                  |                   |                   |                   |                        |                   |                   |                   |                                  |                   |                   |                   |                                  |                   |                   |
| Dorr            | Josef      | Siemens AG                               | ●             | ●                   | ●                 | ●                 | ●             | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   |                                  | ●                 | ●                 | ●                 | ●                      | ●                 | ●                 | ●             |                                  |                   | ●                 | ●               |                                  |                   | ●                 |</p>
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2 802.1 Officers and Management

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<tr>
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<tbody>
<tr>
<td>Glenn Parsons</td>
<td>Working Group Chair</td>
</tr>
<tr>
<td>John Messenger</td>
<td>Working Group Vice-chair and acting Chair</td>
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<tr>
<td>Jessy Rouyer</td>
<td>Working Group Secretary and acting Vice Chair</td>
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<tr>
<td>János Farkas</td>
<td>Time-Sensitive Networking Task Group Chair</td>
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<tr>
<td>Craig Gunther</td>
<td>Time-Sensitive Networking Task Group Secretary</td>
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<tr>
<td>Mick Seaman</td>
<td>Security Task Group Chair</td>
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<tr>
<td>Max Riegel</td>
<td>OmniRAN Task Group Chair</td>
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<tr>
<td>Paul Congdon</td>
<td>Maintenance Task Group acting Chair</td>
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<tr>
<td>Roger Marks</td>
<td>NEND ICA Chair</td>
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<tr>
<td>Ludwig Winkel</td>
<td>IEC/IEEE 60802 Joint Project Chair</td>
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<tr>
<td>Jordon Woods</td>
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<tr>
<td>Paul Unbehagen</td>
<td>Website Maintenance</td>
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<td>Hal Keen</td>
<td>Email Maintenance</td>
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3 Opening Plenary Meeting

Call to order: 9 July 2018, 10:35 AM.

The acting 802.1 Chair, John Messenger, presided. The 802.1 Recording Secretary, Jessy Rouyer, wrote the minutes.


During this presentation, the acting Chair:
- Provided an update on the Chair’s situation.
- Showed the agenda on slide 2. The agenda was approved.
• Showed slides 3 through 7 (including reproduced slides 0 through 4 of the IEEE-SA PatCom Patent Slides for Standards Development Meetings, separately available at http://standards.ieee.org/about/sasb/patcom/materials.html).

The acting Chair:
  o Presented information on these slides including:
    ▪ Instructions for the WG Chair (and TG Chairs);
    ▪ Participants’ duty to inform the IEEE;
    ▪ Ways to inform IEEE;
    ▪ Other guidelines for IEEE WG meetings; and
    ▪ Patent-related information.
  o Advised WG attendees that:
    ▪ 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 IEEE is not aware. Additionally, neither 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.
  o Made the “Call for Potentially Essential Patents” thereby providing 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.
      ▪ There were no responses to the call.
  o Reminded 802.1 TG Chairs of their daily obligations (per slide 8) with respect to presenting the IEEE-SA PatCom Patent Slides for Standards Development Meetings and making the “Call for Potentially Essential Patents”.

• Reviewed general administrative information including:
  o Meeting “Decorum” or rules, including the policies on public reporting, and on photography or recording (slide 9);
    ▪ The acting Chair called for any members of the press (i.e., anyone reporting publicly on this meeting) to announce their presence.
      ▪ There were no responses to the call.
  o Participation in IEEE 802 meetings on an individual basis (slide 10);
  o Hotel and meeting room security (slide 11);
  o General information on 802.1 (slide 12), including information on newcomers orientation available at http://www.ieee802.org/1/files/public/docs2017/tsn-farkas-intro-0317-v01.pdf (after the opening plenary, updated slides were made available as http://www.ieee802.org/1/files/public/docs2018/tsn-farkas-intro-0318-v01.pdf), information on 802.1 operation available at http://www.ieee802.org/1/files/public/minutes/802-1-general-info-v3.pdf, a reminder that contributions are to be uploaded before presentation, how to access meeting minutes and schedule, and how to report meeting session attendance;
  o Meeting logistics (slide 13).
• Introduced 802.1 officers and provided 802.1 website information (slide 14).
  o Called for a volunteer or volunteers to take over maintenance of the Email exploder and of the active ballot page.
• Reviewed the list of 802.1 voters (slide 15), including information about individuals who have lost (slide 16), may gain (slides 18^1 and 19), may lose (slide 20) 802.1 voting membership. The acting Chair reminded individual participants of their obligations and of 802.11 reciprocal credit, which was continued at this meeting (slide 21).

• Provided an update on the 802.1 website at http://1.ieee802.org (slide 22).

• Reviewed the schedule for future interim meetings (slide 23):
  o September 10-14, 2018 in Oslo, Norway
  o January 14-18, 2019 in Hiroshima, Japan
    ▪ Hajime Koto presented IEEE802.1 Interim meeting proposal Hiroshima, Japan January 14-18,(Mon — Fri), 2019
  o May 20-24, 2019 in North America (city to be determined)
  o September 2019
    ▪ ADVA Optical Networking is continuing to explore hosting in Edinburgh, UK.
  o January 2020 potentially in Geneva, Switzerland the week before the ITU-T SG15 plenary meeting the same month.
  o May 2020 potentially in North America (city to be determined)
    ▪ The acting Chair presented Offer to host IEEE 802.1/802.3 Joint Interim Session

• Mentioned that the IEC/IEEE 60802 Joint Project would have an interim meeting July 24-26, 2018 in Frankfurt am Main, Germany.

• Reviewed the schedule for future plenary meetings (slide 24):
  o November 12-16, 2018 in Bangkok, Thailand
    ▪ The acting Chair indicated joint workshops with IETF on DetNet and Data Center may be held during the preceding weekend.
  o March 10-15, 2019 in Vancouver, BC, Canada
  o July 14-19, 2019 in Vienna, Austria
  o November 10-15, 2019 in Waikoloa, HI, USA
  o March 2020 in Atlanta, GA, USA (dates to be determined)
  o July 2020 in Montreal, QC, Canada (dates to be determined)
  o November 2020 in Bangkok, Thailand (dates to be determined)

• Reported the following items out of the 802 Executive Committee (EC) executive session (slide 25):
  o 802 Task Force (Thurs 10:30)
    ▪ IEEE SA Tools update
    ▪ Network Service contract discussion (executive session)
  o P&P, WG & CG change proposals (EC-18-138)
    ▪ Tutorials do require registration/badges
    ▪ Update Sponsor P&P (and then WG P&P) in 2018
      • Definition of dominance procedure
      • Should EC vice chairs be appointed by the Sponsor chair or elected by the WG&TAG chairs?
      • Add a Privacy item to the CSD: waiting for P802E to complete

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Page 7
• Venues (EC-18-130)
• Treasurer (EC-18-136)
  ▪ March 2018 meeting: approx. $87k loss
  ▪ July 2018 meeting: estimated $39k loss but 53 on-site registrations!
  ▪ Anticipated break even for 2018 overall
• 802.11 (not discussed in EC opening plenary this time)
  ▪ 802.11aq was approved by Standards Board after much discussion in executive session at the SASB meeting in June
• Reviewed the list of 802 EC meetings to be held this week (slide 26).
• Indicated that the status of myProject is unchanged since the last plenary meeting (slide 27)
• Provided information about public review (slide 28) confirming no public comments were received on P802.1Xck and about the following email ballot (ePoll) since the last plenary meeting (slide 30):
  o 14-802.18&IEC65C-MT9 Interim
    ▪ 802.1 WG approves holding an interim meeting on the Friday of the July 2018 IEEE 802 Plenary (Friday 13th July) to work on the IEC/IEEE P60802 TSN Profile for Industrial Automation together with IEC 65C/MT9.
      ▪ Moved: Janos Farkas
      ▪ Seconded: Craig Gunther
      ▪ Apr 19-30, 2018
      ▪ Approved - 42/2/0
• Pointed out PARs (and CSDs) that are up for vote at this IEEE 802 plenary meeting (slides 31 and 32).
• Introduced the 802 Industry Connections activity (slide 33).
• Indicated that since there are no tutorials at this 802 plenary meeting, YANGsters and NEND ICA meetings would be held at 6:00 PM and 7:30 PM, respectively, on July 9, and for NEND ICA also at 7:30 PM on July 10 (slide 34).
• Reviewed the list of liaisons within 802 (joint and standing committee meetings, 802 task force) for which meetings were to be held during this 802 plenary week (slide 35) noting there would be no meeting of the IEEE 802 IETF SC this week.
• Reviewed the list of liaisons incoming to 802.1 to be handled by the Maintenance and TSN TGs, and by the YANGsters group (slide 36).
  o It was noted that the WG still needs to send the response to a former incoming liaison (http://www.ieee802.org/1/files/public/docs2017/liaison-3GPP-RAN3-173354-0917.zip) from 3GPP RAN3 on P802.1CM TSN for Fronthaul.
  o It was clarified that the same process as for incoming liaisons not related to the IEC/IEEE 60802 Joint Project has to be followed for the incoming liaison from the OPC Foundation.
• Provided the anticipation of next actions with respect to projects in the WG’s current workload (slide 37) and discussed promotion of the work that the WG is doing (slide 38).
  o Noted as being planned were an eBlast on the IEC/IEEE 60802 Joint Project and a press release on IEEE Std 802.1CM™-2018.
  o The TSN TG Chair thanked contributors to the TSN Feature Topic that targeted IEEE Communications Standards Magazine, June 2018.
  o It was noted Ethernet/IP tech days were to be held October 9-10, 2018 in London, UK.
• Provided an overview of the various IEEE-SA Awards, encouraging nominations (slide 39).
• Noted that Standards Project Awards are being prepared (slide 40).
• Summarized the list of anticipated motions for EC Consent Agenda (slides 41-42).
• Showed the 802.1 plenary schedule/agenda for this meeting, which was tacitly approved (slide 43).
• Listed 802.1 management meetings (slide 44).
• Provided, with the assistance of Scott Mansfield, information about the meetings and status of the YANGsters group (slide 45).
• Requested the 802.1 TG Chairs to introduce their TG agenda (slide 46):
  o Mick Seaman presented the Security TG agenda (slides 47-48).
  o János Farkas presented the TSN TG agenda (slide 49).
  o Maximilian Riegel presented the OmniRAN TG agenda (slides 50-51).
  o Paul Congdon presented the Maintenance TG agenda for 10 July 2018 (slide 52).
  o Roger Marks presented the NEND ICA meeting plan (slide 53).

There was no other business to discuss (slide 55) and the opening plenary meeting was adjourned at 12:15 PM.

4 Task Group Meetings

4.1 Maintenance

Maintenance Task Group meeting minutes are incorporated into these minutes by reference and are available at http://www.ieee802.org/1/files/public/maint/2018-07-maintenance-meeting-v1.pdf.

4.2 OmniRAN

OmniRAN Task Group meeting minutes are incorporated into these minutes by reference and are available at https://mentor.ieee.org/omniran/dcn/18/omniran-18-0064-00-00TG-jul-2018-f2f-meeting-minutes.docx.

Current status of OmniRAN Task Group activities (including future meeting announcements, past meeting and conference call minutes) is available via a wiki located at https://mentor.ieee.org/omniran/bp/StartPage.

4.3 Security

Call to order: Monday July 9, 2018 at 2.00 PM.

The Security Task Group met:
  • Monday July 9, 2018 (PM)
  • Tuesday July 10, 2018
  • Wednesday July 11, 2018

The Security TG Chair, Mick Seaman, presided and wrote the minutes. Security TG participants also participated in the JTC1 SC, see the separate minutes for that meeting.
At the beginning of the meetings on Tuesday and Wednesday, Mick Seaman presented the IEEE-SA PatCom Patent Slides for Standards Development Meetings (https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf) and the IEEE 802 Participation slide (https://mentor.ieee.org/802-ec/dcn/17/ec-17-0093-05-0PNP-ieee-802-participation-slide-ppt.ppt) (these two sets of slides were shown by the 802.1 acting Chair in the opening plenary meeting on Monday). Mick Seaman made the “Call for Potentially Essential Patents” on each of these occasions. There were no responses to the calls prior to the end of the week’s meetings.

Participants:

- Amelia Andersdotter, Article 19 [Tuesday]
- Mike Boyle, NSA [Monday pm, Tuesday]
- Eric Gray, Ericsson [Monday PM, Tuesday, Wednesday AM]
- Dan Harkins, Hewlett Packard Enterprise [Tuesday]
- Jerome Henry [Tuesday, Wednesday AM]
- Marc Holness [Monday PM]
- James McIntosh [Monday PM, Tuesday, Wednesday AM]
- Karen Randall [Tuesday]
- Mick Seaman, Mick Seaman [Monday PM, Tuesday, Wednesday AM]
- Brian Weis, Cisco [Monday PM, Tuesday]
- Juan Carlos Zuniga, SigFox [Tuesday]

The draft agenda posted on the 802.1 website at https://1.ieee802.org/security/security-task-group-agenda/ was reviewed by the TG chair during the 802.1 opening plenary meeting on Monday morning, there were no changes at that time and this agenda was approved as follows:

1. **P802.1Xck Port-Based Network Access Control - YANG Data model**
   Request conditional permission to go to RevCom (Sponsor Ballot passed, one more recirculation required)

2. **P802.1AE-Rev MAC Security** (roll-up and maintenance revision)
   Request permission to go to RevCom (Sponsor Ballot complete)

3. **P802E Privacy (Recommended Practice ... for IEEE 802 ...)**
   Discussion
   Presentations tba

4. JTC1 SC6 SC participation
5. A.O.B.
6. Future meetings/teleconferences

Minutes of the discussions of these agenda items follow.

**1. P802.1Xck (Port-Based Network Access Control – YANG Data Model)**

The progress of P802.1Xck was discussed during the Monday PM TG meeting. The Sponsor Ballot of P802.1Xck/D2.1 had passed with 100% Approval. Two comments had been received as part of (late) mandatory editorial coordination, resulting in one change to the draft – the addition of "[B26]" after a reference to item that was in the Bibliography as opposed to in the References clause. A further draft P802.1Xck/D2.2 had already been prepared by Marc Holness, P802.1Xck editor, with this change and was reviewed by the task group.
Agreed to Sponsor Ballot recirculation with this change and agreed to seek permission for conditional forwarding to RevCom. An appropriate motion was approved during the closing plenary meeting of 802.1 and approved by the EC.

[Post-meeting note: No comments were received on the recirculation ballot of D2.2 so no disposition of comments was prepared for this draft. The draft was submitted to RevCom and approved by the Standards Board on September 27, 2018.]

2. P802.1AE-Rev MAC Security (roll-up and maintenance revision)

The progress of P802.1AE-Rev was discussed during the Monday PM TG meeting. No comments were received on the Sponsor Recirculation ballot of P802.1AE-Rev/D1.3. Details of the final ballot totals and the comments associated with the one remaining Disapprove are recorded in http://www.ieee802.org/1/files/private/ae-rev-drafts/d1/802-1AE-rev-d1-3-dis.pdf.

Agreed to seek permission for forwarding to RevCom. An appropriate motion was approved during the closing plenary meeting of 802.1 and by the EC.

[Post-meeting note: D1.3 was approved by the Standards Board on September 27, 2018.]

3. P802E Privacy (Recommended Practice for Privacy Considerations for IEEE 802 Technologies)

P802E was discussed during the Tuesday AM, Tuesday PM, and Wednesday AM meetings. As agreed during the March 2018 meeting, teleconferences had been held June 28, 2018 and July 12, 2018 to prepare for this meeting and the editor had prepared interim drafts D0.9 (for the June teleconference) and D1.0 (prior to the July teleconference) and had presented them (following the usual presentation of the patent policy and the call for patents by the chair) during those calls. The input text to this meeting was P802E/D1.0.

The draft was discussed, and Jerome Henry, P802E editor, took notes to assist in the preparation of D1.1. In the Tuesday PM session Amelia Andersdotter, Dan Harkins, and Juan-Carlos Zuniga presented Revisions to Clause 6 following comments in San Diego IEEE 802 Plenary meeting http://www.ieee802.org/1/files/public/docs2018/e-andersdotter-privecsq18001003-0718-v03.pdf (also posted on the Mentor 802 Privecsg site.

Agreed that the P802E editor would prepare a further D1.1 taking into account the presentation and the discussion during the meeting and this would be the subject of a task group ballot, to be held open at least during the upcoming 802.1 interim meeting in Oslo, Norway so other 802.1 members could be encouraged to respond to the ballot.

The Wednesday AM meeting briefly discussed editorial details of the draft preparation.

4. JTC1 participation

(Minuted separately by the JTC1 Standing Committee secretary.)

5. A.O.B.

5.1 IEEE Std 802.1AR-2018 pre-publication editing

Discussed during the Monday PM session. In the pre-publication editing of the approved P802.1AR-rev/D2.6 it had been noticed that the IEEE address in the MIB was not the latest, despite having been updated as a result of Sponsor Ballot comment. The MIB has therefore been updated, though there is no technical change to the content.
[Post-meeting note: IEEE Std 802.1AR-2018 was approved by the IEEE Standards Board 25 June, 2018 and published August 2, 2018. The pre-publication work of the IEEE Editor for this document, Catherine Berger, is much appreciated.]

5.2 P802.1X-Rev WG ballot

Discussed during the Monday PM session. The P802.1X Revision PAR had been approved by NesCom on June 14, 2018. Agreed to prepare a motion for 802.1 to authorize a WG ballot.

[Post-meeting note: A first draft, P802.1X-Rev/D0.1, is now available, incorporating the final draft of P802.1Xck. The WG ballot will occur once P802.1Xck pre-publication editing is complete and any changes incorporated in the rolled up P802.1X-Rev.]

6. Future meeting/teleconference planning

Agreed that the Security TG would not meet during the September 2018 IEEE 802.1 interim meeting in Oslo, Norway, but would meet during the November 2018 IEEE 802 plenary meeting in Bangkok, Thailand. P802E discussion would be scheduled to start on Tuesday in that meeting. A teleconference would be scheduled to begin consideration of the P802E task group ballot after the ballot had closed, and a further teleconference would be scheduled shortly before the Bangkok meeting to prepare for that meeting.

The usual motion for teleconferences was approved by the closing plenary meeting of 802.1.

4.4 Time-Sensitive Networking

The Time-Sensitive Networking (TSN) Task Group Chair, János Farkas presided. Craig Gunther wrote the minutes.

At the beginning of the meetings on Monday, Tuesday, Wednesday, Thursday and Friday, János Farkas presented the IEEE-SA PatCom Patent Slides for Standards Development Meetings https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf, and made the Call for Potentially Essential Patents. There were no responses to the calls prior to the end of the week’s session.

Monday 09 July 2018

8:00 AM (call to order by János Farkas) to 10:00 AM


Disposition: The agenda was reviewed and approved.

Norman Finn, P802.1CS editor, led the resolution of comments received on http://www.ieee802.org/1/files/private/cs-drafts/d1/802-1CS-d1-5.pdf.

Disposition: Continued in a later session.

1:30 PM to 6:00 PM

János Farkas presented:
- Liaison request and access to IEEE P802.1 Drafts
- LS/r on CFM Information/Data Models (reply to IEEE 802.1 – LS41)
- Reply to Liaison IEEE P802.1CM TSN for Fronthaul (replying to IEEE 802.1-oLS42/SG15-TD246/WP3)
  Reply to liaison letter from IEEE 802.1
Disposition: Incoming liaison letters reviewed, response needed.

Tero Mustala presented eCPRI Update for TSN
Disposition: For information

János Farkas presented P802.1CM Editor’s Report
Disposition: Update on completed project.

Disposition: Review of motions for Closing Plenary.


Paul Bottorff, P802.1Qcy editor, led the resolution of comments received on http://www.ieee802.org/1/files/private/cy-drafts/d2/802-1qcy-d2-3.pdf.

Johannes Specht, P802.1Qcr editor, led the resolution of comments received on http://ieee802.org/1/files/private/cr-drafts/d0/802-1Qcr-D0-5.pdf.
Disposition: Continued in a later session.
Tuesday 10 July 2018

9:00 AM (call to order by János Farkas) to 6:00 PM, with a 1-hour lunch break

Johannes Specht, P802.1Qcr editor, continued the resolution of comments received on http://iee802.org/1/files/private/cr-drafts/d0/802-1Qcr-D0-5.pdf and presented P802.1Qcr-D0.4 - Restructuring Contents of PSFP and ATS http://www.ieee802.org/1/files/public/docs2018/cr-specht-d04-0518-v03.pdf from a previous meeting.

Disposition: Ballot comment resolution recorded in http://www.ieee802.org/1/files/private/cr-drafts/d0/802-1Qcr-d0-5-pdis-v00.pdf, updated post-meeting as http://www.ieee802.org/1/files/private/cr-drafts/d0/802-1Qcr-d0-5-dis-v00.pdf.


Disposition: Update on proposed new project.


Disposition: Related to proposed project; more discussion needed.


Disposition: Proposed new project; more discussion needed.


Disposition: Proposed new project; more discussion needed.


Disposition: Editor’s update on ongoing project.


Disposition: Editor’s update on ongoing project.

Joint meeting with 802.24: 5:33 PM (call to order by János Farkas) to 5:45 PM

The TSN TG Chair, János Farkas, and Tim Godfrey, 802.24 Chair, presided this joint meeting. Craig Gunther wrote the minutes.

Disposition: Editor’s update on ongoing project. The TSN TG Chair recommended that an email be sent to the 802.1 reflector announcing the updated document when it is completed, and showed http://1.ieee802.org/tsx/application-of-tns as a potential venue to promote this work.

Wednesday 11 July 2018

8:00 AM (call to order by János Farkas) to 10:00 AM

Minutes of this session, a joint session of the TSN TG and IEC/IEEE 60802 Joint Project, are incorporated into these minutes by reference and are available at http://www.ieee802.org/1/files/public/60802/2018-07-60802-meeting-v1.pdf.

10:30 AM (call to order by János Farkas) to 12:30 PM.


**Disposition:** Liaisons and response reviewed.


**Disposition:** Proposed new project; more discussion needed.

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2:00 PM (call to order by Ludwig Winkel) to 6:00 PM


**Thursday 12 July 2018**

8:00 AM (call to order by János Farkas) to 12:30 PM

Stephen Haddock, P802.1AX-Rev editor, led the resolution of comments received on [http://www.ieee802.org/1/files/private/ax-rev-drafts/d0/802-1AX-Rev2-d0-3.pdf](http://www.ieee802.org/1/files/private/ax-rev-drafts/d0/802-1AX-Rev2-d0-3.pdf), using as support:


**Disposition:** Proposed ballot comment resolution recorded in [http://www.ieee802.org/1/files/private/ax-rev-drafts/d0/802-1AX-Rev-d0-3-pdis-v01.pdf](http://www.ieee802.org/1/files/private/ax-rev-drafts/d0/802-1AX-Rev-d0-3-pdis-v01.pdf).

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5 IEC/IEEE 60802 Joint Project


6 NEND ICA

The NEND ICA meeting minutes are incorporated into these minutes by reference and are available at [https://mentor.ieee.org/802.1/dcn/18/1-18-0080-00-ICne.docx](https://mentor.ieee.org/802.1/dcn/18/1-18-0080-00-ICne.docx).
7 YANGsters

The YANGsters meeting minutes are incorporated into these minutes by reference and are available at http://www.ieee802.org/1/files/public/docs2018/yangsters-smansfield-sandiego-minutes-0718-v01.pdf.

8 802.1-802.15 joint meeting

Call to order: 10 July 2018 6:30 PM

The acting 802.1 Chair and the 802.15 Vice-Chair presided.
The acting 802.1 Chair and the 802.1 Recording Secretary, Jessy Rouyer, wrote the minutes.
The acting 802.1 Chair presented the IEEE-SA PatCom Patent Slides for Standards Development Meetings (https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf) and the IEEE 802 Participation slide (https://mentor.ieee.org/802-ec/dcn/17/ec-17-0093-05-0PNP-ieee-802-participation-slide-ppt.ppt), and made the Call for Potentially Essential Patents. There were no responses to the calls prior to the end of the session.

802.1 and select 802.15 participants:

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<th>Affiliation</th>
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<td>Chang</td>
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The agenda was agreed as follows:

- Updates on 802.1 and 802.15
- Status of P802.1ACct
- Discussion of *Mapping 48bit MAC Address into EUI64s*

Pat Kinney provided a brief oral update of 802.15 areas of potential mutual interest, noting 802.15.3 asked for IEC/ISO/IEEE fast track. Discussed in particular were:
  - TG4x Field Area Networks Extensions for smart energy networks.
  - TG4y security extensions to 802.15.4 and possible interaction with RAC members.

The 802.1ACct PAR is approved but an editor’s draft is not yet available.

Pat Kinney reported on an exchange regarding *Mapping 48bit MAC Address into EUI64s* and RFC 4291 to support discussion of the generic aspects of this exchange.

- Pat Kinney will follow up on the RFC being erroneous with IEEE 802 / IETF coordination.
- Bob Grow will follow up on the observation that there is no mapping of 48- to 64-bit addresses that won’t produce duplicates by documenting why the mapping doesn’t work.
- Pat Kinney and Bob Heile will follow up on use cases for the mapping.

There was no other business to discuss and the joint meeting was adjourned at 6:32 PM.

## 9 Closing Plenary Meeting

Call to order: 12 July 2018, 1:45 PM.

The acting 802.1 Chair, John Messenger, presided. The 802.1 Recording Secretary, Jessy Rouyer, wrote the minutes.


During this presentation, the Chair:

- Introduced the agenda on slide 2, which was approved.
- Showed slides 3 through 7 (reproducing slides 0 through 4 of the IEEE-SA PatCom Patent Slides for Standards Development Meetings, separately available at [http://standards.ieee.org/about/sasb/patcom/materials.html](http://standards.ieee.org/about/sasb/patcom/materials.html)):
  - The acting Chair:
    - Presented information on these slides including:
      - Instructions for the WG Chair (and TG Chairs);
      - Participants’ duty to inform the IEEE;
      - Ways to inform IEEE;
      - Other guidelines for IEEE WG meetings; and
      - Patent-related information.
    - Made the “Call for Potentially Essential Patents” thereby providing 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.
- There were no responses to the call.
- Reviewed general administrative information including:
  - Meeting “Decorum” or rules, including the policies on public reporting, and on photography or recording (slide 8);
    - The acting Chair called for any members of the press (i.e., anyone reporting publicly on this meeting) to announce their presence.
    - There were no responses to the call.
- Showed the list of 802.1 Officers (slide 9), which remained unchanged from the opening plenary meeting, except for the role of IEC/IEEE 60802 Joint Project secretary handed over from Jordon Woods to Josef Dorr
  - Called for a volunteer or volunteers to take over maintenance of the Email exploder and of the active ballot page.
- Reviewed the list of 802.1 voters (slide 15), including information about individuals who have lost (slide 16), may gain (slides 18\(^2\) and 19), may lose (slide 20) 802.1 voting membership. The Chair reminded individual participants of their obligations and of 802.11 reciprocal credit, which was continued at this meeting (slide 21).
- Reviewed the list of 802.1 voters (slide 10), including information about individuals who gained (slide 11), may gain (slide 12), may lose (slide 13) 802.1 voting membership, and about individuals who have requested to move to observer status (slide 14). The acting Chair reminded individual participants of their obligations and of 802.11 reciprocal credit, which was continued at this meeting (slide 15).
- Reviewed the schedule for future 802.1 plenary meetings (slide 19), which remained unchanged from the opening plenary meeting, except for the addition of the dates for the following plenary meetings:
  - March 15-20, 2020 in Atlanta, GA, USA
  - July 12-17, 2020 in Montreal, QC, Canada
  - November 8-13, 2020 in Bangkok, Thailand
- Reviewed the WG’s current work load (slide 20).

• Showed the 802.1 plenary schedule/agenda for this meeting (slide 21).
• Introduced information about the reports on 802 Standing Committees and on the 802 TF (slide 22):
  o The acting Chair reported on the IETF SC that did not meet.
  o The acting Chair reported on the JTC1 SC.
  o The acting Chair reported on the ITU SC that did not meet.
• Reported on the following 802 TF topics: myProject status (slide 23) and IEEE Open Source offering (slide 24).
• Requested the 802.1 TG Chairs to provide reports on the activities of their TGs (slide 25; see individual TG minutes above for details):
  o Mick Seaman presented Security TG progress (slides 26-27).
  o János Farkas presented TSN TG progress (slide 28).
  o Ludwig Winkel gave an oral update of the IEC/IEEE 60802 Joint Project (slide 28).
  o Maximilian Riegel presented OmniRAN TG progress (slides 29-31).
  o Paul Congdon presented Maintenance TG progress (slides 32-34).
  o Scott Mansfield presented YANGsters progress (slide 35).
  o Roger Marks presented NEND Industry Connection Activity (NEND ICA or Nendica) progress (slide 36)
• Asked for brief presentations of:
  o Draft outgoing liaisons yet to be approved (slides 37 and 39), some of which were in response to incoming liaisons (slide 38).
    ▪ János Farkas presented the draft liaison to 3GPP RAN3 on P802.1CM TSN for Fronthaul
    ▪ János Farkas presented the draft liaison to MEF Forum on MEF CFM YANG
    ▪ János Farkas presented the draft liaison to OPC Foundation on IEC/IEEE 60802 Joint Project
    ▪ János Farkas presented the draft liaison response to ITU-T SG15 on CFM Data Models (re: LS123)
  o External communications (slide 40).
    ▪ János Farkas presented the draft press release on 802.1CM-2018 publication.
    ▪ János Farkas presented the draft eBlast on IEC/IEEE 60802 Joint Project – TSN Industrial Profile
• Conducted votes on the following motions (slides 41-102) that all passed.
  o PARS TO NESCOM
    ▪ Approve forwarding P802.1CF PAR extension in
      • This PAR introduces no new functionality and is exempt from the CSD requirement (OM 9.2)
      • In the WG (y/n/a): 38, 1,0
      • Proposed: Max Riegel Second: Hao Wang
    ▪ Approve forwarding P802.1Qcr PAR modification in
      • Approve CSD documentation in https://mentor.ieee.org/802-ec/dcn/16/ec-16-0056-00-ACSD-802-1qcr.pdf
• In the WG (y/n/a): 40, 0, 0
• Proposed: Johannes Specht
  ▪ Approve forwarding P802.1Qcz PAR documentation in
  • Approve CSD documentation in
  • In the WG (y/n/a): 35, 0, 5
  • Proposed: Paul Congdon Second: Geoff Garner
  ▪ Approve forwarding P802.1Qdd PAR documentation in
  • Approve CSD documentation in
  • In the WG (y/n/a): 40, 0, 0
  • Proposed: Feng Chen Second: Mike Potts

  o DRAFTS TO SPONSOR BALLOT
  ▪ Conditionally approve sending P802.1CF/D2.2 to Sponsor Ballot
    • Confirm the CSD for P802.1CF in
      • In the WG, mover: Max Riegel Second: Hao Wang
      • Forwarding draft (y/n/a): 36, 0, 2
      • Confirm the CSD (y/n/a): 38, 0, 2
  ▪ Conditionally approve sending P802.1AS-Rev D8.0 to Sponsor Ballot
    • Confirm the CSD for P802.1AS-Rev in
      • P802.1AS-Rev D7.0 had 88% approval at the end of the last WG ballot
      • In the WG (y/n/a): 38, 0, 1
      • Proposed: János Farkas Second: Geoff Garner

  o DRAFTS TO REVCOM
  ▪ Approve sending P802.1AE-Rev D1.3 to RevCom
    • This maintenance PAR has no CSD.
    • P802.1AE-Rev D1.3 had 98% approval at the end of the last sponsor recirculation ballot
    • In the WG (y/n/a): 39, 0, 0
    • Proposed: Weis Second: McIntosh
  ▪ Conditionally approve sending P802.1Xck D2.2 to RevCom
    • Approve CSD documentation in
    • In the WG Proposed: Seaman Second: Weis
    • Forwarding draft to RevCom (y/n/a): 39, 0, 1
• CSD (y/n/a): 38, 0, 1
  ▪ Approve sending P802.1AC-2016-Cor-1/D2.0 to RevCom
  ▪ No CSD for this maintenance PAR
  ▪ P802.1AC-2016-Cor-1/D2.0 had 100% approval at the end of the last sponsor recirculation ballot.
  ▪ In the WG, mover: Congdon Second: Rouyer
  ▪ Forwarding draft to RevCom (y/n/a): 39, 0, 0
  ▪ CSD (y/n/a):
  ▪ Conditionally approve sending P802.1Qcy D2.5 to RevCom
  ▪ Approve CSD documentation for P802.1Qcy in https://mentor.ieee.org/802-ec/dcn/15/ec-15-0072-00-ACSD-802-1qcn.pdf
  ▪ P802.1Qcy D2.3 had 100% approval at the end of the last Sponsor recirculation ballot
  ▪ In the WG (y/n/a): 40, 0, 0
  ▪ Proposed: János Farkas Second: Paul Bottorff

- LIAISONS
  ▪ Approve liaison of the following response to 3GPP RAN3
    ▪ In the WG (y/n/a): 38, 0, 0
    ▪ Proposed: János Farkas Second: Jessy Rouyer
    ▪ In EC, for information
  ▪ Approve liaison of the following letter to MEF Forum
    ▪ In the WG (y/n/a): 38, 0, 0
    ▪ Proposed: Scott Mansfield Second: Jessy Rouyer
  ▪ Approve liaison of the following response to OPC Foundation
    ▪ In the WG (y/n/a): 37, 0, 0
    ▪ Proposed: János Farkas Second: Jessy Rouyer
    ▪ In EC, for information
  ▪ Approve liaison of the following response (to LS 123) to ITU-T SG15
    ▪ granting the IEEE LMSC chair (or his delegate) editorial license.
    ▪ This approval is under LMSC OM “Procedure for communication with government bodies”
    ▪ In the WG (y/n/a): 38, 0, 0
• Proposed: Scott Mansfield Second: Jessy Rouyer
  ▪ Approve the press release on IEEE Std 802.1CM in
    • http://www.ieee802.org/1/files/public/docs2018/cm-draft-press-release-0718-v01.pdf, to be released with editorial changes as deemed necessary
    • In the WG (y/n/a): 39, 0, 1
• Proposed: János Farkas Second: Jessy Rouyer
  ▪ Approve the eblast on the IEC/IEEE 60802 Joint Project in
    • http://www.ieee802.org/1/files/public/docs2018/60802-draft-cfp-0718-v01.pdf, to be released with editorial changes as deemed necessary
    • In the WG (y/n/a): 38, 0, 0
• Proposed: János Farkas Second: Jessy Rouyer
  ▪ JTC1 SC6 PSDO ITEMS
    ▪ Approve liaison of the following draft(s) to ISO/IEC JTC1/SC6 for information under the PSDO agreement
      ○ P802.1AS-Rev
      • Proposed: Congdon Second: Rouyer
      • For_38_Against_0 Abstain_0
    ▪ Approve submission of the following project(s) to ISO/IEC JTC1/SC6 for adoption under the PSDO agreement, once approved and published:
      ○ 802.1CM-2018 (*)
      ○ 802.1Q-2018 (*)
      ○ 802.1Qcc-2018 (**) 
      ○ 802.1Qcp-2018 (**) 
      ○ 802.1AR-2018 (**) 
      ○ 802.1AC-2016/Cor-1 (***) 
      ○ 802.1Qcy-2018 
      ○ 802.1Xck-2018 
      ○ 802.1AE-2018 
    • Proposed: Congdon Second: Rouyer
    • For_38_Against_0 Abstain_0
    • Note: *published; **approved; ***under corrigendum process
  ○ EC regular motions
  ○ WG motions
    ▪ 802.1 approves the March 2018 (Plenary) and May 2018 (Interim) minutes:  
    • Proposed: Jessy Rouyer Seconded: János Farkas
    • Approved by Acclamation
    ▪ 802.1 resolves to hold an interim meeting in May 2020, hosted by the Ethernet Alliance in North America.
    • Proposed: N Finn Second: Congdon
• For: _33 Against: _0 Abstain: _3_

▪ Authorize the editor of P802.1X-Rev “Port-Based Network Access Control”, Mick Seaman, to generate drafts for and conduct Working Group balloting.
  • Proposed: Weis Second: McIntosh
  • For: 40 Against: 0 Abstain: 0

▪ Authorize the Security Task Group to hold teleconferences to progress P802.1Xck, P802E, P802.1X-Rev 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: Seaman Second: McIntosh
  • Approved by acclamation

▪ Authorize Maintenance TG to hold teleconferences on 4th September and 6th November 2018 at 11am ET if necessary. Access information will be posted to the 802.1 reflector in advance.
  • Proposed: Congdon Second: Rouyer
  • Approved by acclamation

▪ Authorize monthly calls for the YANGsters group, convening on the last Wednesday of every month from 9AM (US-Eastern) to 10AM (US-Eastern), start 25 July 2018 end 31 October 2018
  • Access information to be announced to the 802.1 email list in advance
  • Proposed: Kehrer Second: Rouyer
  • Approved by acclamation

▪ Approve OmniRAN TG conference calls:
  • Between the July 2018 plenary and the November 2018 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 http://1.ieee802.org/omniran/
  • Moved: Max Riegel, Second: Hao Wang
  • Approved by acclamation

▪ 802.1 authorizes Johannes Specht, the Editor of P802.1Qcr Asynchronous Traffic Shaping to prepare drafts for and conduct Working Group balloting.
  • Proposed: Johannes Specht
  • Second: János Farkas
  • In the WG (y/n/a): 33, 0, 1

▪ 802.1 authorizes Norman Finn, the Editor of P802.1CS Link-local Registration Protocol to prepare drafts for and conduct Working Group balloting.
  • Proposed: Norman Finn
  • Second: János Farkas
  • In the WG (y/n/a): 32, 0, 0
- 802.1 authorizes Jordon Woods, the Editor of IEC/IEEE 60802 Time-Sensitive Networking Profile for Industrial Automation to prepare drafts for and conduct Task Group balloting.
  - Proposed: Jessy Rouyer
  - Second: János Farkas
  - In the WG (y/n/a): 35, 0, 0
- After thanking Jordon Woods for his service as IEC/IEEE 60802 Joint Project Secretary, the acting Chair:
  - Announced the appointment, effective immediately, of Josef Dorr as IEC/IEEE 60802 Joint Project Secretary; and
  - Thanked Mark Hantel for volunteering:
    - To maintain the 802.1 email exploder; and
    - As Webmaster for the IEC/IEEE 60802 Joint Project.
- 802.1 authorizes Stephan Kehrer, the Editor of P802.1CBcv Frame Replication and Elimination for Reliability Amendment: YANG Data Model and Management Information Base Module to prepare drafts for and conduct Task Group balloting.
  - Proposed: Jessy Rouyer
  - Second: János Farkas
  - In the WG (y/n/a): 40, 0, 0
- 802.1 authorizes Norman Finn, the Editor of P802.1DC Quality of Service Provision by Network Systems to prepare drafts for and conduct Task Group balloting.
  - Proposed: Jessy Rouyer
  - Second: János Farkas
  - In the WG (y/n/a): 36, 0, 0
- 802.1 authorizes the September 2018 Interim to generate PAR and CSD for precirculation to the EC for an amendment to IEEE 802.1CM to take advantage of new synchronization, syntonization and fronthaul interface developments.
  - Proposed: János Farkas
  - Second: Jessy Rouyer
  - In the WG (y/n/a): 36, 0, 1
- 802.1 authorizes the September 2018 Interim to generate PAR and CSD for a standard specifying profiles for automotive networks.
  - Proposed: Michael Potts
  - Second: Donald Pannell
  - In the WG (y/n/a): 35, 0, 0
- 802.1 authorizes the September 2018 Interim to generate PAR and CSD for a standard specifying TSN profiles for service provider networks.
  - Proposed: Tongtong Wang
  - Second: Johannes Specht
  - In the WG (y/n/a): 32, 0, 3
Approve holding a workshop with IETF on data center networking on November 10, 2018 in Bangkok.
- Proposed: Paul Congdon
- Second: János Farkas
- In the WG (y/n/a): 37, 0, 0

Approve holding a TSN Task Group workshop with the IETF DetNet Working Group on November 11, 2018 in Bangkok.
- Proposed: János Farkas
- Second: Jessy Rouyer
- In the WG (y/n/a): 37, 0, 0

802.1 authorizes the TSN Task Group to hold pre-meeting(s) on the Monday morning of the November 2018 Plenary session, e.g., for the IEC/IEEE 60802 Joint Project
- Proposed: János Farkas
- Second: Jessy Rouyer
- In the WG (y/n/a): 40, 0, 0

802.1 authorizes the TSN Task Group to hold teleconferences weekly on Mondays from 8AM (US-Pacific) to 10AM (US-Pacific).
- Access information is posted on the http://www.ieee802.org/1/tsn page and will be updated as necessary.
- Agenda will be announced on the 802.1 email reflector at least by the Friday before the call
- Proposed: János Farkas
- Second: Jessy Rouyer
- Approved by acclamation

802.1 authorizes the TSN Task Group to hold bi-weekly teleconferences together with IEC 65C/MT9 to progress the IEC/IEEE 60802 Joint Project on Mondays from 6AM (US-Pacific) to 8AM (US-Pacific), starting with August 27, 2018.
- Access information is posted on the http://www.ieee802.org/1/tsn page and will be updated as necessary.
- Agenda will be announced on the 802.1 email reflector at least by the Friday before the call.
- Proposed: János Farkas
- Second: Jessy Rouyer
- Approved by acclamation

Craig Gunther gave an overview of a new 802.1 webpage dedicated to protocol simulations: https://1.ieee802.org/protocol-simulations/.

There was no other business to discuss and the closing plenary meeting was adjourned at 6:13 PM.
10 Next meeting
10-14 September 2018, Oslo, Norway