

IEEE 802.1 Working Group

January 20-24, 2025 Interim Session

Phoenix, AZ, USA – Mixed Mode

Session Minutes

The Working Group (WG) Chair, Glenn Parsons, presided and had requested that any subgroup Chair in remote attendance have on-site an individual acting on their behalf as needed to help conduct proceedings in “mixed mode”, i.e. with local and remote participants. The Recording Secretary, Jessy Rouyer, wrote and/or edited the minutes in part based on input from subgroup Chairs and their Secretaries.

Note that, throughout this document, minuted/recorded inputs from any attendee can not/shall not be assumed to represent a position of their employer or affiliated organization. Discussion points captured do not necessarily reflect the views of the presenter, discussion leader or minute taker, and do not imply consensus unless that is explicitly minuted. The content of draft standards is determined by the ballot process; other formal decisions are the subject of Working Group motions.

1 Attendance and affiliation

The table in this section reflects the attendance (denoted by the ● symbol) and affiliation of attendees in all 802.1 WG and subgroup meetings held in this session.

			TSN, Fri Jan 24, 2025, 08:00 - 10:00 MT															
			Maintenance, Thu Jan 23, 2025, 17:00 - 18:00 MT															
			TSN, Thu Jan 23, 2025, 13:30 - 17:00 MT															
			TSN, Thu Jan 23, 2025, 10:30 - 12:30 MT															
			Nendica, Thu Jan 23, 2025, 08:00 - 10:00 MT															
			TSN, Wed Jan 22, 2025, 16:00 - 18:00 MT															
			TSN, Wed Jan 22, 2025, 13:30 - 15:30 MT															
			TSN, Wed Jan 22, 2025, 10:30 - 12:30 MT															
			TSN, Wed Jan 22, 2025, 08:00 - 10:00 MT															
			YANGsters, Tue Jan 21, 2025, 16:00 - 18:00 MT															
			TSN, Tue Jan 21, 2025, 13:30 - 15:30 MT															
			TSN, Tue Jan 21, 2025, 10:30 - 12:30 MT															
			Maintenance, Tue Jan 21, 2025, 08:00 - 10:00 MT															
			Maintenance, Mon Jan 20, 2025, 16:00 - 18:00 MT															
			TSN, Mon Jan 20, 2025, 13:30 - 15:30 MT															
			TSN, Mon Jan 20, 2025, 10:30 - 12:30 MT															
			TSN, Mon Jan 20, 2025, 08:00 - 10:00 MT															
Last name	First name	Affiliation																
Ahmed	Mahin	Silicon Austria Labs GmbH	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Arunarathi	Venkat	Broadcom Corporation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Bottorff	Paul	Hewlett-Packard Development Company, L.P.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Canchi	Radhakrishna	Kyocera International Inc	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Castro	Jose	Panduit	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Chen	Lihao	Huawei Technologies Co., Ltd	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Choudhury	Abhijit	Broadcom Corporation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Farkas	Janos	Ericsson AB	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fedyk	Donald	LabN Consulting, L.L.C.	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Garner	Geoffrey	Self*	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

			TSN, Fri Jan 24, 2025, 08:00 - 10:00 MT															
			Maintenance, Thu Jan 23, 2025, 17:00 - 18:00 MT															
			TSN, Thu Jan 23, 2025, 13:30 - 17:00 MT															
			TSN, Thu Jan 23, 2025, 10:30 - 12:30 MT															
			Nendica, Thu Jan 23, 2025, 08:00 - 10:00 MT															
			TSN, Wed Jan 22, 2025, 16:00 - 18:00 MT															
			TSN, Wed Jan 22, 2025, 13:30 - 15:30 MT															
			TSN, Wed Jan 22, 2025, 10:30 - 12:30 MT															
			TSN, Wed Jan 22, 2025, 08:00 - 10:00 MT															
			YANGsters, Tue Jan 21, 2025, 16:00 - 18:00 MT															
			TSN, Tue Jan 21, 2025, 13:30 - 15:30 MT															
			TSN, Tue Jan 21, 2025, 10:30 - 12:30 MT															
			Maintenance, Tue Jan 21, 2025, 08:00 - 10:00 MT															
			Maintenance, Mon Jan 20, 2025, 16:00 - 18:00 MT															
			TSN, Mon Jan 20, 2025, 13:30 - 15:30 MT															
			TSN, Mon Jan 20, 2025, 10:30 - 12:30 MT															
			TSN, Mon Jan 20, 2025, 08:00 - 10:00 MT															
Last name	First name	Affiliation																
Haasz	Jodi	IEEE Standards Association (IEEE-SA)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Haddock	Stephen	Stephen Haddock Consulting, LLC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hantel	Mark	Rockwell Automation	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hu	Mark	Aptiv	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Ito	Yoshihiro	Nagoya Institute of Technology	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Jabbar	Abdul	General Electric Company (GE)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Kehrer ³	Stephan	Belden	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Kiessling	Marcel	Beckhoff Automation	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Kim	Yong	GM*	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lai	Gavin	Moxa Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Li	Jieyu	China Mobile	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lyu	Yunping(Lily)	Huawei Technologies Co., Ltd	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Mangin	Christophe	Mitsubishi Electric Corporation	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Mansfield	Scott	Telefon AB LM Ericsson	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
McCall	David	Intel	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nakano	Hiroki	Red Orange Co Ltd, CAHI Corporation	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nomura	Takumi	Honda R&D	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Parsons	Glenn	Ericsson AB	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Peterson	Eric	Blue Origin	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Randall ³	Karen	Randall Consulting	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Regev	Alon	Keysight Technologies	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Rodrigues	Silvana	Huawei Technologies Co., Ltd	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Rouyer	Jessy	Nokia	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Roy	Rajeev	NXP Semiconductors	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Sato	Atsushi	Yokogawa Electric Corporation	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Schweitzer	Paul	Lockheed Martin*	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Seaman	Michael	Individual	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Seewald	Maik	Cisco Systems, Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Sivakolundu	Ramesh	Cisco Systems, Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Specht	Johannes	Self	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tse	Richard	Microchip Technology, Inc.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Turner	Max	Ethernovia	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Turner	Michelle	IEEE Standards Association (IEEE-SA)*	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Zein	Nader	NEC Europe (NLE)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

(*) Last and first names and affiliation possibly incorrect as based on Webex access information or otherwise, and either outdated or not provided in IMAT.

(1) IEEE 802 LMSC fee waivers - Full week (6.3 of IEEE 802 LMSC WG P&P)

(2) Invited officers of other SDOs - Full week (item 9 in 4.1 of IEEE 802 LMSC Chair's guidelines)

(3) WG Chair designated remote individuals limited to specific topics - Single Meeting (IEEE 802 LMSC Operations Manual, clause 5)

2 802.1 Officers and Leadership

- Chair: Glenn Parsons
- Vice-Chair and Recording Secretary: Jessy Rouyer
 - Executive Secretary: Stephan Kehrer
 - Liaison Secretary: Karen Randall
- Maintenance TG Chair: Mark Hantel
- Security TG Chair: Mick Seaman
 - Security TG Vice-Chair: Karen Randall
- TSN TG Chair: János Farkas
 - TSN TG Vice-Chair: David McCall
 - TSN TG Secretary: Johannes Specht
 - IEC/IEEE 60802 Joint Project Chair: Dieter Pröll
 - IEC/IEEE 60802 Joint Project Secretary: Vacant
 - IEEE P802.1DP/SAE AS6675 joint project co-Chairs: Abdul Jabbar & János Farkas
 - IEEE P802.1DP/SAE AS6675 joint project Secretary: Nader Zein
- Nendica Chair: Roger Marks
 - Nendica Vice-Chair: Johannes Specht
- YANGsters Chair: Scott Mansfield
 - YANGsters Vice-Chair and Secretary: Stephan Kehrer
- Maintenance of Email exploder: Mark Hantel and Hal Keen
- Maintenance of website: Mark Hantel, Roger Marks, John Messenger

3 Maintenance Task Group

Between this session and the preceding session, the IEEE 802.1 Maintenance Task Group (TG) held an electronic meeting whose minutes are incorporated to these session minutes by reference as follows:

- Minutes of the Maintenance TG meeting held 2025-01-14 10:00 - 12:00 ET
<https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;5aa04bb0.25&S=>

See section 1 for attendance and affiliation information.

Call to order Jan 20, 2025 at 16:00 MT by Mark Hantel, IEEE 802.1 Maintenance TG Chair (Chair), who presided and wrote the minutes.

Agenda items and dispositions:

1. Meeting introduction and other administrative items. The IEEE SA slides on IEEE Patent Policy and IEEE SA Copyright and Participation Policies were provided beforehand as part of "MEETING INTRODUCTION" <http://www.ieee802.org/1/files/public/templates/admin-TG-intro-0324-v01.pdf>.

The Chair showed this presentation advising that the following, provided beforehand, applies:

- Participant behavior shall comply with the outlined requirements;
- 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.

- IEEE SA's copyright policy is described in Clause 7 of the IEEE SA Standards Board Bylaws and Clause 6.1 of the IEEE SA Standards Board Operations Manual;
- Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy.

The Chair 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 this Call prior to the end of the meeting.

The Chair asked participants to record their attendance in IMAT and, if they are unable to do so, to promptly provide their affiliation to the minute taker.

2. Approval of agenda. The Chair presented the agenda in <https://1.ieee802.org/january-2025-interim-session-maintenance-tg-agenda/>.

Disposition: The agenda was reviewed, discussed, and agreed (informally, none dissenting) as presented.

3. P802.1ACea D1.3 Editor's Update

Disposition: This discussion was postponed.

4. Liaison Activity. Karen Randall, IEEE 802.1 Liaison Secretary, provided an update on liaisons expected for the Mar 2025 IEEE 802.1 plenary session.

Disposition: For information.

5. Maintenance Project Status. The Chair provided a verbal status update on the projects in progress including P802.1AS-2020-REV, P802.1AB-2016-REV, P802.1AC-2016-REV, and P802.1CB-2017-REV. Mick Seaman, P802.1Q-2022-REV editor, provided a verbal status update.

Disposition: For information.

6. The Chair led discussion on maintenance items 374, 377, 378, 379, and 384.

Disposition: Further discussion needed.

7. Christophe Mangin, P802.1CB-2017/Cor1 editor, presented "802.1CB-2017/Cor1" <https://www.ieee802.org/1/files/public/docs2024/maint-mangin-CB-Cor1-0724-v01.pdf>.

Disposition: Further discussion needed.

8. Any Other Business. No other business was discussed by the Maintenance TG in this meeting.

17:29 MT recess

Call to order Jan 21, 2025 at 8:00 MT by Mark Hantel, IEEE 802.1 Maintenance TG Chair (Chair), who presided and wrote the minutes.

9. Meeting introduction and other administrative items. The Chair announced that the meeting remains subject to the Policies mentioned in agenda item 1 and asked participants to record their attendance in IMAT and, if they are unable to do so, to promptly provide their affiliation to the minute taker.

10. Approval of agenda. The Chair presented the agenda in <https://1.ieee802.org/january-2025-interim-session-maintenance-tg-agenda/>.

Disposition: The agenda was reviewed, discussed, and agreed (informally, none dissenting) as presented.

11. P802.1ACea D1.3 Editor's Update

Disposition: This discussion was postponed.

12. P802.1AS-2020-REV PAR Modification. The Chair led discussion on a draft PAR modification for P802.1AS-2020-REV to resolve a NesCom concern with the use of “ensure” in the scope of the published standard.
Disposition: Agreed (informally, none dissenting) for the 802.1 Chair to pre-circulate the draft PAR modification finalized in <https://www.ieee802.org/1/files/public/docs2025/as-draft-PAR-0125-v01.pdf> for potential approval at the Mar 2025 IEEE 802 plenary session.
13. P802.1AS-2020-REV D0.1 comment resolution. Silvana Rodrigues, P802.1AS-2020-REV editor, led the resolution of comments received on <https://www.ieee802.org/1/files/private/as-2020-rev-drafts/d0/802-1AS-2020-Rev-d0-1.pdf>.
Disposition: Ballot comments 43, 36, 9, 3, 42, 10, 11, 8, 48, 46, 1, 4, 2, 12, 54, 56, 58, 59 were resolved.

10:00 MT recess

Call to order Jan 23, 2025 at 16:58 MT by Mark Hantel, IEEE 802.1 Maintenance TG Chair (Chair), who presided and wrote the minutes.

14. Meeting introduction and other administrative items. The Chair announced that the meeting remains subject to the Policies mentioned in agenda item 1 and asked participants to record their attendance in IMAT and, if they are unable to do so, to promptly provide their affiliation to the minute taker.
15. Approval of agenda. The Chair presented the agenda in <https://1.ieee802.org/january-2025-interim-session-maintenance-tg-agenda/>.
Disposition: The agenda was reviewed, discussed, and agreed (informally, none dissenting) as presented.
16. The Chair led discussion on maintenance items 382 and 383.
Disposition: Further discussion needed.
17. P802.1-AS-2020-REV D0.1 comment resolution. Silvana Rodrigues, P802-AS-2020-REV editor, led the resolution of comments received on <https://www.ieee802.org/1/files/private/as-2020-rev-drafts/d0/802-1AS-2020-Rev-d0-1.pdf>.
Disposition: Ballot comments 5, 6, 60 were resolved. Final disposition: <https://www.ieee802.org/1/files/private/as-2020-rev-drafts/d0/802-1AS-2020-Rev-d0-1-dis-v00.pdf>.

17:23 MT adjournment

4 Security Task Group

Between this session and the preceding session, the IEEE 802.1 Security Task Group (Security TG) did not hold electronic meetings.

The Security TG did not meet at this interim session.

5 Time-Sensitive Networking Task Group

Between this session and the preceding session, the IEEE 802.1 Time-Sensitive Networking (TSN) Task Group (TG) held electronic meetings on generic TSN topics whose minutes are incorporated to these session minutes by reference as follows:

- Minutes of the TSN TG meeting held 2024-12-09, 11:00 – 13:00 ET
<https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;bea340f.25&S=>
- Minutes of the TSN TG meeting held 2025-01-13, 11:00 – 13:00 ET
<https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;42563c76.25&S=>

Between this session and the preceding session, the IEEE 802.1 Time-Sensitive Networking (TSN) Task Group (TG) held electronic meetings on P802.1DG whose minutes are incorporated to these session minutes by reference as follows:

- Minutes of the IEEE P802.1DG meeting held 2024-11-26 9:00 - 11:00 ET
<https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;3a35d34b.24&S=>

See section 1 for attendance and affiliation information.

Minutes of the IEC/IEEE 60802 Joint Project meetings are in section 5.1.

Minutes of the IEEE P802.1DP/SAE AS 6675 joint project meeting are in section 5.2.

Call to order Jan 20, 2025 8:00 MT by János Farkas, IEEE 802.1 TSN TG Chair (Chair), who presided. Johannes Specht, IEEE 802.1 TSN TG Secretary (Secretary), wrote the minutes.

Agenda items and dispositions:

1. Meeting introduction. The IEEE SA slides on IEEE Patent Policy and IEEE SA Copyright and Participation Policies were provided beforehand as part of "MEETING INTRODUCTION" <https://www.ieee802.org/1/files/public/templates/admin-TG-intro-0324-v01.pdf>.

The Chair showed this presentation advising that the following, provided beforehand, applies:

- 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.
- IEEE SA's copyright policy is described in Clause 7 of the IEEE SA Standards Board Bylaws and Clause 6.1 of the IEEE SA Standards Board Operations Manual;
- Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy.

The Chair made the Calls for Potentially Essential Patents at the beginning of each TG meeting during this session 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 these Calls prior to the end of the session.

The Chair asked participants to record their attendance in IMAT and, if they are unable to do so, to promptly provide their affiliation to the Secretary.

2. Session Host introduction.

Disposition: For Information.

3. Approval of agenda. The Chair presented the agenda in <https://1.ieee802.org/2025-01-interim-tsn-agenda/>.

Disposition: The agenda was reviewed, discussed and agreed (informally, none dissenting) as presented.

4. Max Turner, P802.1DG editor, led the resolution of comments received on <https://www.ieee802.org/1/files/private/dg-drafts/d4/802-1DG-d4-1.pdf>.

Disposition: Disposition per agenda item 6.

10:00 – 10:30 MT recess

5. Max Turner, P802.1DG editor, continued the resolution of comments received on <https://www.ieee802.org/1/files/private/dg-drafts/d4/802-1DG-d4-1.pdf>.

Disposition: Disposition per agenda item 6.

12:05 – 13:30 MT recess

6. Max Turner, P802.1DG editor, continued the resolution of comments received on <https://www.ieee802.org/1/files/private/dg-drafts/d4/802-1DG-d4-1.pdf>.

Disposition: Partial disposition: <https://www.ieee802.org/1/files/private/dg-drafts/d4/802-1DG-d4-1-pdis-v03.pdf>.

15:30 MT recess

Call to order Jan 21, 2025 10:30 MT by János Farkas, IEEE 802.1 TSN TG Chair (Chair), who presided. Johannes Specht, IEEE 802.1 TSN TG Secretary (Secretary), wrote the minutes.

7. The Chair announced that this meeting remains subject to the Policies mentioned in agenda item 1 and asked participants to record their attendance in IMAT and, if they are unable to do so, to promptly provide their affiliation to the Secretary.
8. Max Turner, P802.1DG editor, continued the resolution of comments received on <https://www.ieee802.org/1/files/private/dg-drafts/d4/802-1DG-d4-1.pdf>.
- Disposition:** Final disposition: <https://www.ieee802.org/1/files/private/dg-drafts/d4/802-1DG-d4-1-dis-v01.pdf>.
9. The Chair led the development of a response to incoming liaison “Towards a Solution to the VLAN Issue of gPTP” <https://www.ieee802.org/1/files/public/docs2024/dg-Nomura-JASPAR-gPTP-VLAN-issue-1124-v03.pdf>.

Disposition: Disposition per agenda item 10.

11:55 – 13:30 MT recess

10. The Chair led the development of a response to incoming liaison “Towards a Solution to the VLAN Issue of gPTP” <https://www.ieee802.org/1/files/public/docs2024/dg-Nomura-JASPAR-gPTP-VLAN-issue-1124-v03.pdf>.

Disposition: Draft liaison response finalized as “Liaison response to liaison statement “Towards a Solution to the VLAN Issue of gPTP””

<https://www.ieee802.org/1/files/public/docs2025/liaison-response-JASPAR-gPTP-VLAN-0125-v01.pdf> and subject to 802.1 approval via ePoll 78 closing Jan 31, 2025.

11. Abdul Jabbar, P802.1ASed editor, led the resolution of comments received on <https://www.ieee802.org/1/files/private/ased-drafts/d2/802-1ASed-d2-0.pdf>

Disposition: Partial disposition: <https://www.ieee802.org/1/files/private/ased-drafts/d2/802-1ASed-d2-0-pdis-v02.pdf>.

15:30 MT recess

Call to order Jan 22, 2025 8:00 MT by János Farkas, IEEE 802.1 TSN TG Chair (Chair), who presided. Johannes Specht, IEEE 802.1 TSN TG Secretary (Secretary), wrote the minutes.

12. The Chair announced that this meeting remains subject to the Policies mentioned in agenda item 1 and asked participants to record their attendance in IMAT and, if they are unable to do so, to promptly provide their affiliation to the Secretary.

13. Christophe Mangin presented “May 2025 interim meeting Hotel reservation procedure” <https://www.ieee802.org/1/files/public/docs2025/admin-mangin-May2025-interim-hotel-booking-0125-v01.pdf>.

Disposition: Presentation discussed.

14. Abdul Jabbar, P802.1ASed editor, continued the resolution of comments received on <https://www.ieee802.org/1/files/private/ased-drafts/d2/802-1ASed-d2-0.pdf>.

Disposition: Disposition per agenda item 16.

10:00 – 10:30 MT recess

15. Abdul Jabbar, P802.1ASed editor, continued the resolution of comments received on <https://www.ieee802.org/1/files/private/ased-drafts/d2/802-1ASed-d2-0.pdf>.

Disposition: Disposition per agenda item 16.

12:15 – 13:30 MT recess

16. Abdul Jabbar, P802.1ASed editor, continued the resolution of comments received on <https://www.ieee802.org/1/files/private/ased-drafts/d2/802-1ASed-d2-0.pdf>.

Disposition: Partial disposition: <https://www.ieee802.org/1/files/private/ased-drafts/d2/802-1ASed-d2-0-pdis-v03.pdf>.

15:30 – 16:00 MT recess

17. Steve Haddock, P802.1AXdz editor, continued the resolution of comments received on <https://www.ieee802.org/1/files/private/axdz-drafts/d1/802-1AXdz-d1-0.pdf> and presented “802.1AXdz YANG for Link Aggregation: Editor’s Report: January 2025 Version 1”

<https://www.ieee802.org/1/files/public/docs2025/dz-haddock-editors-report-0125-v1.pdf>.

Disposition: Final disposition: <https://www.ieee802.org/1/files/private/axdz-drafts/d1/802-1AXdz-d1-0-dis-v01.pdf>.

Call to order Jan 23, 2024 10:30 MT by János Farkas, IEEE 802.1 TSN TG Chair (Chair), who presided. Johannes Specht, IEEE 802.1 TSN TG Secretary (Secretary), wrote the minutes.

18. The Chair announced that this meeting remains subject to the Policies mentioned in agenda item 1 and asked participants to record their attendance in IMAT and, if they are unable to do so, to promptly provide their affiliation to the Secretary.

19. Mick Seaman presented “DCBX PFC Configuration” <https://www.ieee802.org/1/files/public/docs2024/dt-seaman-dcbx-pfc-config-1124-v02.pdf>.

Disposition: Presentation discussed.

20. Abdul Jabbar, P802.1ASed editor, continued the resolution of comments received on <https://www.ieee802.org/1/files/private/ased-drafts/d2/802-1ASed-d2-0.pdf>.

Disposition: Disposition per agenda item 23.

12:15 – 13:30 MT recess

21. Abdul Jabbar, P802.1ASed editor, continued the resolution of comments received on <https://www.ieee802.org/1/files/private/ased-drafts/d2/802-1ASed-d2-0.pdf>.

Disposition: Disposition per agenda item 23.

22. Richard Tse presented the FTTM simulator in

<https://www.ieee802.org/1/files/public/docs2025/ed-tse-fttm-simulator-01.xlsx>.

Disposition: Simulator discussed.

15:30 – 17:00 MT recess

23. Abdul Jabbar, P802.1ASed editor, continued the resolution of comments received on <https://www.ieee802.org/1/files/private/ased-drafts/d2/802-1ASed-d2-0.pdf>.

Disposition: Partial disposition: <https://www.ieee802.org/1/files/private/ased-drafts/d2/802-1ASed-d2-0-pdis-v04.pdf>.

18:00 MT recess

Call to order Jan 24, 2024 8:00 MT by János Farkas, IEEE 802.1 TSN TG Chair (Chair), who presided. Johannes Specht, IEEE 802.1 TSN TG Secretary (Secretary), wrote the minutes.

24. The Chair announced that this meeting remains subject to the Policies mentioned in agenda item 1 and asked participants to record their attendance in IMAT and, if they are unable to do so, to promptly provide their affiliation to the Secretary.

25. Lihao Chen presented “Proposal for the P802.1Qdw SFC”

<https://www.ieee802.org/1/files/public/docs2025/dw-chen-sfc-proposal-0125-v01.pdf>.

Disposition: Presentation discussed.

9:05 MT adjournment

5.1 IEC/IEEE 60802 Joint Project

Between this session and the preceding session, the IEC/IEEE 60802 Joint Project held electronic meetings whose minutes are incorporated to these session minutes by reference as follows:

- Minutes of the IEC/IEEE 60802 Joint Project meeting held 2024-12-02 9:00 - 11:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;3ada018e.ex>
- Minutes of the IEC/IEEE 60802 Joint Project meeting held 2024-12-09 9:00 - 11:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;2babcb30.ex>
- Minutes of the IEC/IEEE 60802 Joint Project meeting held 2024-12-13 9:00 - 11:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;4b5cb174.ex>
- Minutes of the IEC/IEEE 60802 Joint Project meeting held 2024-12-16 9:00 - 11:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;4defc598.ex>
- Minutes of the IEC/IEEE 60802 Joint Project meeting held 2024-12-20 9:00 - 11:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;51131389.ex>
- Minutes of the IEC/IEEE 60802 Joint Project meeting held 2025-01-10 9:00 - 11:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;8d1dcc20.ex>
- Minutes of the IEC/IEEE 60802 Joint Project meeting held 2025-01-13 9:00 - 11:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;dc764d10.ex>
- Minutes of the IEC/IEEE 60802 Joint Project meeting held 2025-01-17 9:00 - 11:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;fba69e46.ex>
- Minutes of the IEC/IEEE 60802 Joint Project meeting held 2025-02-03 9:00 - 11:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;f5d951d7.ex>

- Minutes of the IEC/IEEE 60802 Joint Project meeting held 2025-02-14 9:00 - 11:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;761de60b.ex>

The IEC/IEEE 60802 Joint Project did not meet at this interim session.

5.2 IEEE P802.1DP/SAE AS6675 joint project

Between this session and the preceding session, the IEEE 802.1 Time-Sensitive Networking (TSN) Task Group (TG) held electronic meetings on P802.1DP/SAE AS 6675 whose minutes are incorporated to these session minutes by reference as follows:

- Minutes of the IEEE P802.1DP/SAE AS6675 meeting held 2024-11-20 10:00 - 12:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;1d98ec4c.25&S=>
- Minutes of the IEEE P802.1DP/SAE AS6675 meeting held 2024-12-18 10:00 - 12:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;93dc4fe.25&S=>

The IEEE P802.1DP/SAE AS6675 joint project did not meet at this interim session.

8 Nendica

Between this session and the preceding session, the IEEE 802 “Network Enhancements for the Next Decade” Industry Connections Activity (Nendica) held electronic meetings whose minutes are incorporated to these session minutes by reference as follows:

- Minutes of the Nendica meeting held 2024-12-12 09:00-11:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;8146f539.24&S=>
- Minutes of the Nendica meeting held 2025-01-09 09:00-11:00 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;ed72e5a6.25&S=>

See section 1 for attendance and affiliation information.

Call to order Jan 23, 2025 8:03 MT by Johannes Specht, Nendica Vice-Chair (“Chair”), who presided. Jessy Rouyer, WG Recording Secretary, wrote the minutes, reviewed by Roger Marks, Nendica Chair.

Agenda items and dispositions:

1. Meeting introduction and other administrative items. The IEEE SA slides on IEEE Patent Policy, IEEE SA Copyright Policy, and Participant Behavior (“Policies”) were provided beforehand as part of “MEETING INTRODUCTION”

<https://www.ieee802.org/1/files/public/templates/admin-prePAR-intro-0324-v01.pdf>. The Chair showed this presentation advising that the following applies:

- Participant behavior shall comply with the outlined requirements;
- IEEE SA’s copyright policy is described in Clause 7 of the IEEE SA Standards Board Bylaws and Clause 6.1 of the IEEE SA Standards Board Operations Manual;
- Any material submitted during the Nendica meeting, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy.

The Chair asked participants to record their attendance in IMAT and, if they are unable to do so, to promptly provide their affiliation to the minute taker.

2. Agenda review. The Chair presented the agenda at <https://1.ieee802.org/802-nendica-agenda-2025-01-23/> and noted the Mentor server document list.

Disposition: The agenda was reviewed and agreed (informally, none dissenting) as presented.

3. Minutes. The Chair reviewed the draft “Minutes of the Nendica meeting held 2025-01-09 09:00-11:00 ET” <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;ed72e5a6.25>.

Disposition: “Plenary” in the last sentence of agenda item 8 to be changed to “Interim” in a revision. The remaining text was otherwise agreed (informally, none dissenting).

4. Study Items.

- Lily Lyu presented “Update on Recent Developments in Industry” (Rev 1) https://mentor.ieee.org/802.1/documents?is_group=ICne&is_year=2025&is_dcn=0001.

Discussion on the origin and uses of the terms “scale-out” and “scale-up” (the boundaries between them, sample deployments, PCIe- vs network-based approaches), on the merits of developing specifications in industry consortia vs IEEE 802 (opportunities at L2 vs L3, concerns about potential fragmentation of the standardization landscape, standardization speed, expertise differing by venue).

Disposition: For information.

- Lily Lyu presented “Discussion on AICN Next Steps” (Rev 0) https://mentor.ieee.org/802.1/documents?is_group=ICne&is_year=2025&is_dcn=0002.

Discussion on how to attract industry interest, including creating a report or a white paper.

Disposition: Further discussion needed.

5. Vetting and New Topics. No discussion.
6. Next meeting. Nendica intends to meet next electronically on Feb 6, 2024 9:00 - 11:00 ET. Announcement of the draft agenda <https://1.ieee802.org/802-nendica-agenda-2025-02-06/> is anticipated by five days beforehand.
7. Other Business. No other business was discussed by Nendica in this meeting.

9:23 MT adjournment

9 YANGsters

Between this session and the preceding session, YANGsters held electronic meetings whose minutes are incorporated to these session minutes by reference as follows:

- Minutes of the YANGsters meeting held 2024-07-30 10:00 –10:53 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;1bd7e3b5.24&S=>
- Minutes of the YANGsters meeting held 2024-09-10 10:05 –10:26 ET <https://listserv.ieee.org/cgi-bin/wa?A2=STDS-802-1-MINUTES;45a2f05d.24&S=>

See section 1 for attendance and affiliation information.

Call to order Jan 22, 2025 at 16:00 MT by Scott Mansfield, YANGsters Chair, who presided. Stephan Kehrer, YANGsters Secretary, wrote the minutes.

Agenda items and dispositions:

1. Meeting introduction. The IEEE SA slides on IEEE Patent Policy, IEEE SA Copyright Policy, and Participant Behavior (“Policies”) were provided beforehand as part of “MEETING INTRODUCTION” <http://www.ieee802.org/1/files/public/templates/admin-prePAR-intro-0324-v01.pdf>.

The YANGsters Chair showed this presentation advising that the following, provided beforehand, applies:

- Participant behavior shall comply with the outlined requirements;
- IEEE SA's copyright policy is described in Clause 7 of the IEEE SA Standards Board Bylaws and Clause 6.1 of the IEEE SA Standards Board Operations Manual;
- Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy.

The YANGsters Chair asked participants to record their attendance in IMAT and, if they are unable to do so, to promptly provide their affiliation to the minute taker.

2. Approval of agenda. The YANGsters Chair presented the agenda in <https://1.ieee802.org/january-2025-interim-session-yangsters-agenda/>.

Disposition: The agenda was reviewed, discussed, and updated as recorded by these minutes.

3. Introduction to YANGsters. The YANGsters Chair presented the "Introduction" slide of "YANGsters" <https://www.ieee802.org/1/files/public/docs2025/yangsters-smansfield-phoenix-status-0125-v01.pdf> to introduce the following:

- <https://1.ieee802.org/yangsters/>, and
- <https://1.ieee802.org/yangsters/yangsters-guidelines/yangsters-faq/>.

Disposition: For information.

4. Status. The YANGsters Chair presented slide 4 of the presentation in agenda item 3.
 - The table on the "YANG Status" slide provides an overview of all currently open IEEE 802.1 projects that contain or are expected to contain YANG.
 - An overview of active maintenance items that are related to YANG is being prepared and planned to be made available to YANGsters.

Disposition: For information.

5. P802.1Qdy YANG status. The YANGsters Chair presented the topic and led the discussion.

- P802.1Qdy is currently in SA ballot comment resolution.
- No YANG topics are currently open in P802.1Qdy.

Disposition: For information.

6. Review of Maintenance Items related to YANG. The YANGsters Chair presented "YANG-related Maintenance Items" <https://www.ieee802.org/1/files/public/docs2025/yangsters-smansfield-phoenix-maintenance-review-0125-v01.pdf> to introduce the topic.

Disposition: For information.

7. IEEE 802.1Q bridge address. Stephen Haddock presented "802.1Q YANG bridge address" <https://www.ieee802.org/1/files/public/docs2024/yangsters-haddock-bridge-address-1124-v3.pdf> to introduce the topic, and led the discussion.

- The topic is related to Maintenance Item 0383 <https://www.802-1.org/items/489>.
- This item had previously been discussed in the YANGsters electronic meeting held Dec 3, 2024.
- YANGsters suggested to proceed with option 2, offered on slide 6 of the presentation.
- Security concerns with this approach were raised and discussed.
- It was pointed out that the security concerns are not introduced by the suggested approach but already exist in the current Bridge YANG module.

Disposition: Agreed (informally, none dissenting) that the previously suggested way forward, offered in option 2 on slide 6 of the presentation, is still considered by YANGsters to be the preferred approach. It is intended to address this in one of the Maintenance TG meetings held during this interim session.

8. Stating a default value in a description statement. Stephen Haddock, IEEE P802.1AXdz editor, presented “802.1AXdz YANG for Link Aggregation: Editor’s Report: January 2025” <https://www.ieee802.org/1/files/public/docs2025/dz-haddock-editors-report-0125-v1.pdf> to introduce the topic, and led the discussion.

- This topic is related to maintenance item 0382 (<https://www.802-1.org/items/490>), which was discussed.
- It was also discussed whether it makes sense to put default statements in the descriptions of leaves.
- It was pointed out that there is no explicit prohibition in IETF RFC 7950 to have a default value for a leaf that is set to be “config false”.
- Information is provided in “Guidelines for Authors and Reviewers of Documents Containing YANG Data Models” (IETF RFC 8407) on how default statements are handled.
- YANGsters strongly suggested not to add default values for “config false” leaves, even though it is not prohibited by the YANG specification, as this might cause unintended system behavior in cases where implementations handle this incorrectly.
- The proposed text provided in the maintenance item is considered to be the best way forward.

Disposition: Agreed (informally, none dissenting) to recommend to the Maintenance TG to accept the proposed text provided in the maintenance item.

9. Interface statistics: The YANGsters Chair presented the topic and led the discussion.
- It was discussed how to handle the case of a YANG module that includes counters augmenting another YANG module that already contains the same counters, but under a different name. Doing this effectively duplicates the counters in YANG.
 - It was pointed out that this is not a real issue, as long as both of the counters point to the same underlying statistics, since the underlying values are identical in this case.
 - Even though it is not a real problem in such cases, YANGsters recommend not to duplicate counters unnecessarily.

Disposition: For information.

10. Next meeting. YANGsters intend to meet next electronically on Jan 28, 2025.

11. Any Other Business. No other business was discussed during the meeting.

17:27 MT adjournment

6 Next Session

Mar 10-14, 2025 mixed mode plenary session in Atlanta, GA, USA.