

Maintenance Task Group Mixed Mode Meeting

July 11, 2023

July 12, 2023

Jessy Rouyer

REMINDER: Introduction Material

- This meeting is subject to the policies in "MEETING INTRODUCTION"
<https://www.ieee802.org/1/files/public/templates/admin-TG-intro-0323-v01.pdf> made available beforehand (as announced in the opening plenary meeting)
- IEEE SA website for additional details on the
 - IEEE Patent Policy (<https://standards.ieee.org/content/ieee-standards/en/about/sasb/patcom/index.html>); and
 - IEEE SA Copyright Policy (<https://standards.ieee.org/ipr/index.html>)

REGISTRATION FEE

**Access to this session*
requires a registration fee.**

**Please check the session
announcement for details
before attending.**

* IEEE 802.1 holds 3 plenary sessions and 3 interim sessions a year.

No registration fee is required for IEEE 802.1 electronic meetings held between these sessions.

MEETING INTRODUCTION

FOR IEEE 802.1 TASK GROUPS



MEETING INTRODUCTION

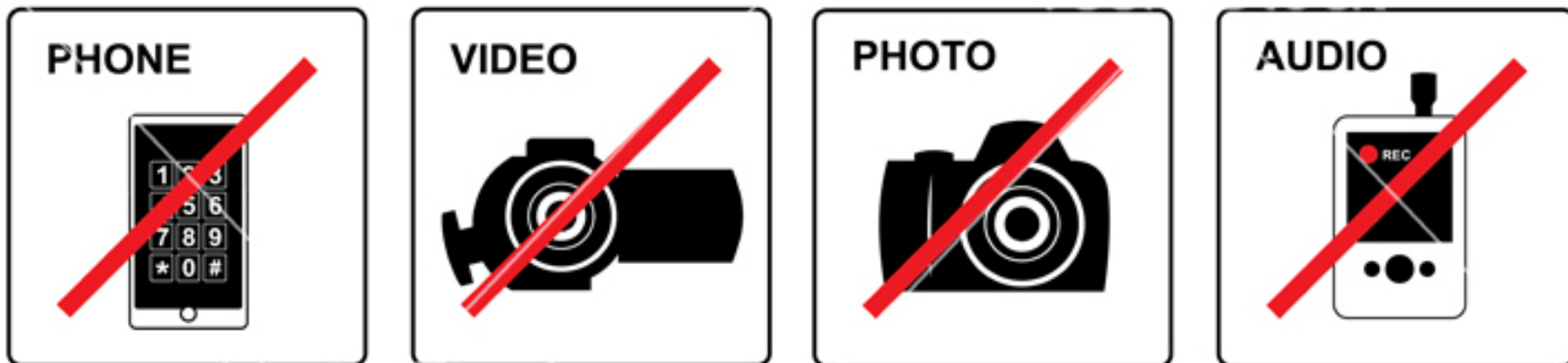
- **Call for Potentially Essential Patents**
- **Decorum**
- **Attendance**
- **Electronic Meeting Guidelines**
- **Policies provided in advance**
 - **IEEE Patent Policy**
 - **IEEE SA Copyright Policy**
 - **IEEE SA Participation Policy**

WAYS TO INFORM IEEE

- **Cause an LOA to be submitted to the IEEE SA (patcom@ieee.org); or**
- **Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or**
- **Speak up now and respond to this Call for Potentially Essential Patents**

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

DECORUM



- **Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (*5.3.3.3 of SASB Operations Manual*)**
- **Video/Audio recording by participants is prohibited (*5.3.3.2 of SASB Operations Manual*)**
- **Photography by permission only (*5.3.3.2 of SASB Ops Manual*)**
- **Cell phone ringers off please**

ATTENDANCE

Please **record** your attendance in IMAT at <https://imat.ieee.org>

- This requires a free IEEE Account.
- Please create one **only** if you do not yet have an IEEE Account.

Schedule	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
TSN TG																	

Please record your attendance for an active meeting (denoted by a yellow bar) by clicking on the yellow bar. Once your attendance has been recorded, the yellow bar changes to a green bar.

The data from IMAT is used as the meeting participant list.

- Please **promptly** provide your affiliation to the minute taker if you are unable to record your attendance in IMAT.

ELECTRONIC MEETING GUIDELINES

Please **mute** yourself when you are not speaking

Please put yourself into the queue “at the mic” via the Chat, e.g.: “+q” / “-q”

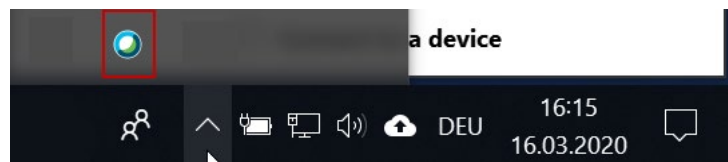
Please provide your information

- First and last names
- Affiliation, after your last name, e.g., in square brackets
- (may provide them in the Chat window)

Changing your data in Webex

Step 1

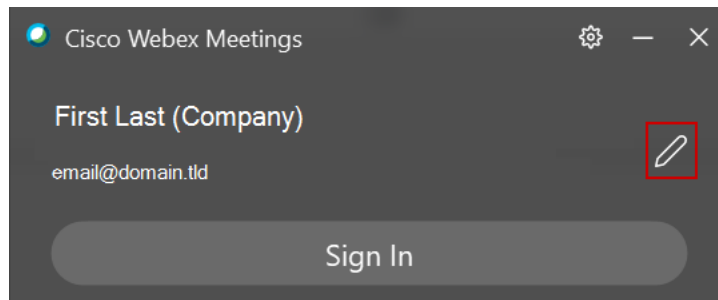
- Go to the "Display hidden icons" arrow in the Windows task bar



- Right-click on the Webex icon and select "Open Cisco Webex Meetings"

Step 2

- In the Webex Windows that opens, Click on the pencil icon* next to your display information



(*) May need to Exit Webex via the cog wheel and restart the desktop Webex app to see the pencil icon. May also need to log in as guest.⁹

POLICIES PROVIDED IN ADVANCE



INSTRUCTIONS FOR THE WG CHAIR

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

- Show slides 1 through 4 of this presentation
- Advise the WG attendees that:
 - 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.
- Instruct the WG Secretary to record in the minutes of the relevant WG meeting:
 - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
 - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
 - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.
- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG Chair review the guidance in *IEEE SA Standards Board Operations Manual* 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

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

PARTICIPANTS HAVE A DUTY TO INFORM THE IEEE

- Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
- Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

**Early identification of holders of potential
Essential Patent Claims is encouraged**

WAYS TO INFORM IEEE

- **Cause an LOA to be submitted to the IEEE SA (patcom@ieee.org); or**
- **Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or**
- **Speak up now and respond to this Call for Potentially Essential Patents**

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

OTHER GUIDELINES FOR IEEE WORKING GROUP MEETINGS

- All IEEE SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
 - Don't discuss the interpretation, validity, or essentiality of patents/patent claims.
 - Don't discuss specific license rates, terms, or conditions.
 - Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
 - Technical considerations remain the primary focus.
 - Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
 - Don't discuss the status or substance of ongoing or threatened litigation.
 - Don't be silent if inappropriate topics are discussed. Formally object to the discussion immediately.

For more details, see *IEEE SA Standards Board Operations Manual*, clause 5.3.10 and *Antitrust and Competition Policy: What You Need to Know* at <http://standards.ieee.org/develop/policies/antitrust.pdf>

PATENT-RELATED INFORMATION

The patent policy and the procedures used to execute that policy are documented in the:

- ***IEEE SA Standards Board Bylaws***
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- ***IEEE SA Standards Board Operations Manual***
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

Material about the patent policy is available at
<http://standards.ieee.org/about/sasb/patcom/materials.html>

**If you have questions, contact the IEEE SA
Standards Board Patent Committee
Administrator at patcom@ieee.org**

INSTRUCTIONS FOR CHAIRS OF STANDARDS DEVELOPMENT ACTIVITIES

At the beginning of each standards development meeting the chair or a designee is to:

- Show the following slides (or provide them beforehand)
- Advise the standards development group participants that:
- 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;
- Instruct the Secretary to record in the minutes of the relevant meeting:
- That the foregoing information was provided and that the copyright slides were shown (or provided beforehand).
- Ask participants to register attendance in IMAT: <https://imat.ieee.org>

IEEE SA COPYRIGHT POLICY

By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.

- Previously Published material (copyright assertion indicated) shall not be presented/submitted to the Working Group nor incorporated into a Working Group draft unless permission is granted.
- Prior to presentation or submission, you shall notify the Working Group Chair of previously Published material and should assist the Chair in obtaining copyright permission acceptable to IEEE SA.
- For material that is not previously Published, IEEE is automatically granted a license to use any material that is presented or submitted.

Maintenance Task Group Meeting
July 11, 2023 – 8:00 CEST
Agenda

<https://1.ieee802.org/july-2023-plenary-session-maintenance-tg-agenda/#Agenda> Tuesday 8211 11 July 2023 800 CEST

Maintenance TG Project Status

Active Projects

- IEEE [P802.1ASdr](#) – Amendment: Inclusive Terminology
 - Working Group recirculation ballot for P802.1ASdr/D1.2: Closed 5 May 2023
 - SA ballot invitation period closed 15 Jun 2023 – Ready for SA ballot
- IEEE [P802-REVc](#) – Revision of 802-2014 (roll-up of amendments)
 - Working Group ballot for P802-REVc/D1.0: Closed 7 March 2023
 - 3 comments left to resolve – Integrate P802f then ready for WG recirculation ballot
- IEEE [P802.1CS-2020/Cor1](#) – Corrigendum to IEEE Std 802.1CS-2020
 - Comment resolution of WG ballot for P802.1CS-2020/Cor1/D1.3 at this plenary session
- IEEE P802.1Q-2022-Rev – Revision of 802.1Q-2022 (roll-up of amendments)
 - SASB-approved PAR: 5 June 2023
- IEEE P802.1AS-2020-Rev – Revision of 802.1AS-2020 (roll-up of amendments)
 - SASB-approved PAR: 5 June 2023

Motions Summary

- For the EC Consent Agenda:
 - Approve sending P802.1ASdr D2.0 to Standards Association ballot
 - Approve sending P802.1CS-2020/Cor1 D2.0 to Standards Association ballot
 - Approve submission of the drafts to ISO/IEC JTC1/SC6 for information under the PSDO agreement
 - Approve submission of the drafts to ISO/IEC JTC1/SC6 for adoption under the PSDO agreement
 - Approve responses to ballot comments received from SC6 on FDIS and CIB ballots
 - Approve liaison to ITU-T JCA: IMT2020 Roadmap
 - Approve liaison response to ITU-T SG15 LS58: OTNT Standardization Work Plan Issue 32
- For 802.1 WG Internal
 - Authorize the Maintenance TG to hold electronic meetings
 - Authorize Task and Working Group balloting for P802.1Q-2022-REV
 - Authorize Task Group balloting for P802.1AS-2020-REV

IEEE 802 PARs under consideration

- IEEE P802.11bn - Amendment: Enhancements for Ultra High Reliability, PAR and CSD
 - IEEE 802.1 Comments to be reviewed
 - <https://www.ieee802.org/1/files/public/docs2023/admin-PAR-CSD-comments-802-11bn-0723.pdf>

Incoming Liaisons (new)

- ITU-T SG15: [LS](#) on OTNT Standardization Work Plan Issue 32
- ITU-T JCA: [LS](#) on Invitation to update the information in the IMT2020 roadmap
- ISO/IEC JTC1 SC6: ballot comments received on FDIS ballots of IEEE 802.1ACct, IEEE 802.1BA and the Committee Internal Ballot (CIB) of IEEE 802.1Q

Liaison to ITU-T SG 15 on OTNT Standardization Work Plan

Issue 32 of the OTNT SWP, the latest version updated by the SG15 during a plenary meeting in April 2023. SG 15 would appreciate updates to the material relevant to your SDO.

Draft Response Document

- Proposed updates – add links to 802.1 pages

Draft Cover Letter

- TBD

Liaison to ITU-T JCA on IMT2020 Roadmap

JCA-IMT2020 anticipates having its next meeting in October 2023 alongside the ITU-T SG13 meeting in Geneva. Inputs/updates/latest information of activity related to 5G and beyond are invited.

Draft Response Document

- Updated with publication info for IEEE 802.1Q;
- Add information for IEEE 802-REVC
- Anything else to be updated/added

Draft Cover Letter

- TBD

P802.1CS-2020/Cor1 Comment Resolution

- IEEE Standard 802.1CS-2020 Corrigendum 1: Corrections to Management Modules and Protocol Encoding
 - <https://1.ieee802.org/maintenance/802-1cs-2020-cor1-corrigendum-to-ieee-standard-802-1cs-2020-2/>
 - WG recirc ballot for D1.3 closed 30 June 202

ISO/IEC JTC1 SC6 STATUS

July 2023

ISO/IEC JTC1 SC6 Status

- PSDO agreement in place to allow progress of IEEE standards in ISO/IEC
- EC JTC1 standing committee is administering the process for IEEE 802 Standards
 - 802.1, 802.3, 802.11, 802.15, 802.16, 802.21, 802.22
- IEEE 802.1 has previously agreed to submit its standards to SC6
 - Most standards and their amendments (note – not sending Recommended Practices)
 - Motion required per standard
 - To forward IEEE SA Ballot draft for information and comment
 - To submit approved standard for PSDO approval
 - Procedure for Corrigenda: one 90 day ballot and three questions.

IPR related comments & ongoing discussions

(info from JTC1 IEEE 802 SC meeting)

- IEEE 802.11ax 60-day ballot passed on 10 Aug 2021 with usual negative comments and a new comment (with positive vote) from Japan (in relation to negative LoAs)
 - A response was sent – awaiting resolution
 - Then 802.11ay 60-day ballot failed on 9 Oct 2021
 - Failed 6/6/7 with three blanket negative LOAs and one explicit negative LOA comment
 - The failure means the process will need to restart after the IPR issue is sorted. At this time, these documents and other IEEE 802.11 standards documents are on hold.
- Ultimately the IEEE SA directed IEEE 802 that:
 - The IEEE SA President would respond to ISO on the IPR related issues, based on content that had been developed by IEEE 802 (see [11-21-1400-05](#))
 - This approach had a number of benefits:
 - It avoided the IEEE 802 EC arguing about whether it should respond to the non-technical IPR related comments
 - It highlighted the importance of the issue to IEEE SA
- January 2023: Discussions between various stakeholders over the last year or so ... with limited progress so far. It is now understood that the 802.11ax IPR related issue is still being discussed ... and so hopefully good news can be reported in the future
- There's a new contribution from WG1 convenor that proposes to suspend the fast track adoption process until the issues are resolved. This issue has been discussed and is being considered at the ISO/IEC JTC1 and above levels.

IEEE 802.1 Stds for SC6 approval

– For adoption: PSDO in process (FDIS ballots)

- IEEE 802.1CBdb (FRER: Ext Stream ID Fns) - Nov 2021 motion to send for adoption; CIB approved June 22. FDIS closed/approved 16 Jan 2023
- IEEE 802.1CBcv (FRER: YANG) - Nov 2021 motion to send for adoption; CIB approved June 22. FDIS closed/approved 16 Jan 2023
- IEEE 802.1AS-2020/Cor 1 - Nov 2021 motion; DCOR ballot closed 23 Aug 22; China NB cmt (6N17841) – resp rvwd 11/22; sent 12/22
- IEEE 802.1ACct (Support for IEEE Std 802.15.3) - Nov 2021 motion; CIB passed 10 April 2022 with 1 cmt; Resp July 2022; FDIS ballot passed w cmts 24 Mar 2023
- IEEE 802.1BA-Rev (AVB Systems) - Nov 21 motion; CIB passed 24 Jun 22 (6N17847) w 1 cmt; Resp July 2022; FDIS ballot passed w cmts 24 Mar 2023
- IEEE 802.1ABcu (YANG Data Model) - Nov 2021 motion; CIB passed July 22 (6N17845) no cmts; FDIS ballot closed/passed 21 June 2023
- IEEE 802.1ABdh (Multi-frame PDUs) - Nov 2021 motion; CIB passed July 22 (6N17848) no cmts; FDIS ballot closed/passed 21 June 2023

– For adoption: PSDO in process (60-day Committee Internal Ballots)

- IEEE Std 802.1Q-2022 (Bridges & Bridged NWs) - motion Nov 2021 to send for adoption when pub; CIB passed 26 March 2023 w China NB cmt
- IEEE P802.1Qcz (Congestion Isolation) - D1.2 sent for info 26 Aug 2020; Nov 20 motion to send when pub
- IEEE Std 802.1AEdk (MACsec Privacy Protection) - D2.1 sent for info 2 Sep 22; Mar 23 - send when pub

– Standards that are under Systematic Review in ISO/IEC JTC1

- IEEE 802.1AB-2017 (Stn+MAC connective) - closed/reaffirmed 2 December 2022
- IEEE 802.1AC-2016 (MAC Svc Defn) - Systematic Review ballot due 2 Sep 2023

IEEE 802.1 Stds for SC6 approval

- Approved draft standards sent for information (next step: send for adoption when published)
 - IEEE P802.1Q-Rev-2022(Bridges & Bridged Nws) - motion Nov 2020 – SA ballot in Sep 2021, sent 22 Sept 2021 noting amendments included Sent for adoption 16 Jan 2023
 - P802.1Qcz (Congestion Isolation) - D1.2 sent for info 26 Aug 2020; Nov 2020 motion to send when pub (waiting for Q-Rev publication)
 - ~~P802.1Qcr (Asynchronous Traffic Shaping)~~ - motion July 2020 – D2.3 sent 26 Aug 2020; not send for adoption since rolled into Q-Rev
 - ~~P802.1Qcx (YANG for Conn Fault Mgmt)~~ - motion Jul 2019 – D2 sent for info 21 Jan 20; not send for adoption since rolled into Q-Rev.
- For information: send draft standards when SA ballot starts
 - P802.1AEdk (MACsec Privacy Protection) - motion Jul 2022 – D2.1 sent for info 2 Sep 22
 - P802f (YANG Data Model for Ethertypes) - motion Jul 2022 – D2 sent for info 9 Feb 23
 - P802.1Qcw (YANG for Traffic, Preemption, etc) - motion Jul 2022 – D2 sent for info 21 Dec 22
 - P802.1Qcj (Auto Attch to PBB services) - motion Nov 2022 – D2 sent for info 20 Dec 22
 - IEEE P802.1CS-2020/Cor1 (Link-local Reg Protocol) - motion Mar 2023 – TBD

IEEE 802.1 Standards – PSDO Approved (1/4)

– PSDO approved: 42 completed

- 802.1AE-2006 (MAC Security)
 - FDIS passed Oct 2013, cmts liaised Jan 2014
Systematic Rvw – (re)confirmed March 2019.
No further action required.
- 802.1X-2010 (Port-Based NW Acc Cntrl)
 - FDIS passed Oct 2013, cmts liaised Jan 2014
Systematic Rvw – (re)confirmed March 2019
No further action required.
- 802.1AS-2011 (Time synch)
 - FDIS passed Dec 2013, cmts liaised May 2014
Systematic Rvw – (re)confirmed June 2019.
No further action required.
- 802-2014 (Overview and Architecture)
 - FDIS passed Nov 2015, cmts liaised Jan 2016
Systematic Rvw – (re)confirmed March 2021
No further action required.
- 802.1AB-2009 (LLDP)
 - FDIS passed Dec 2013, cmts liaised May 2014
Systematic Rvw – (re)confirmed Dec 2022.
No further action required.
- 802.1AR-2009 (Secure device ID)
 - FDIS passed Dec 2013, cmts liaised May 2014
- 802.1AEbn-2011
 - ISO/IEC 8802-1AE:2015/Amd 1 (Apr 2015)
- 802.1AEbw-2013
 - ISO/IEC 8802-1AE:2015/Amd 2 (Apr 2015)
- 802.1AX-2014
 - FDIS passed Nov 2015; no comments
- 802.1Xbx-2014
 - FDIS passed Dec 2015; cmts liaised 20 April
- 802.1Q-2014
 - FDIS passed Jan 2016; cmts liaised 20 April

IEEE 802.1 Standards – PSDO Approved (2/4)

– PSDO approved (cont'd)

- 802.1BA-2011 (AVB systems)
 - FDIS passed August 2016; no comments
Systematic Rvw – (re)confirmed March 2022
No further action required.
- 802.1BR-2012 (Port extender)
 - FDIS passed August 2016; no comments
Systematic Rvw – (re)confirmed March 2022
No further action required.
- 802.1AB-2016 (Stn & MAC Conn Disc)
 - FDIS passed 4/17; Cmt resp liaised Jul 2017
- 802.1Qbv-2015 (Enhs for Sch Traffic)
 - FDIS passed 4/17; Cmt resp liaised Jul 2017
- 802.1Qca-2015 (Path Control & Reserv)
 - FDIS passed 4/17; Cmt resp liaised Jul 2017
- 802.1Q-2014/Cor 1-2015
 - FDIS passed 4/17; Cmt resp liaised Jul 2017
published Oct 2017
- 802.1Qbu-2016 (Frame Preemption)
 - FDIS passed Oct 2017; no cmts; pub Nov 2017
- 802.1Qbz-2016 (Enh to Bridging 802.11)
 - FDIS passed Oct 2017; no cmts; pub Nov 2017
- 802.1Qcd (Application VLAN TLV)
 - FDIS passed Dec 2017 – no cmts; pub Jan 2018
- 802.1AX-2014/Cor1-2017
 - 90-day Cor FDIS passed Jul 2017; no cmts
published Sep 2018
- 802.1AC-2016 (MAC Svc Def)
 - FDIS passed 3/2018 – cmt resps sent Apr 2018
published Apr 2018
- 802d-2017 (URN Namespace)
 - FDIS passed 3/2018; no cmts; pub Apr 2018

IEEE 802.1 Standards – PSDO Approved (3/4)

– PSDO approved (cont'd)

- 802.1CB (Frame Repl & Elim for Reliability) - FDIS passed Dec 2018; no cmts
- 802.1Qch (Cyclic Queuing & Fwding) - FDIS passed Jan 2019; no cmts
- 802.1Qci (Per stream filtering & policing) - FDIS passed Jan 2019; no cmts
- 802.1AEcg-2017 (EDE devices) - FDIS passed Aug 2018 w/cmt from China; cmt resps sent Jan 2019; published Oct 2018
- IEEE 802.1AC-2016/Cor 1 (LLC encaps) - 90-day COR FDIS passed Mar 2019; no cmts
- IEEE 802c (Local MAC Address Usage) - FDIS passed Dec 2018 w/cmt from China; cmt resps approved March 2019; sent 1 May 2019
- IEEE 802.1CM (Time Sens N/W fronthaul) - FDIS ballot passed June 2019; no cmts
- IEEE 802.1AR-2018 (Secure DevID) - FDIS ballot passed Nov 2019 w/cmt; cmt resps rvw Mar 2020; sent Apr 2020; published.
- IEEE 802.1Q-2018 (Bridges & Br Nws) - FDIS ballot passed May 2020 w/cmt; cmt resp rvw May 2020; sent 2 June 2020
- IEEE 802.1AE-2018 (MAC security) - FDIS passed with cmts; cmt resp sent 7/20; pub is ISO/IEC/IEEE 8802-1AE:2020 (Ed2)
- IEEE 802.1Xck (802.1X YANG model) - FDIS passed; cmt resp 7/20 sent, Nov 2020: pub is ISO/IEC/IEEE 8802-1X:2013/Amd2-2020
- IEEE 802.1AE-2018/Cor1 (MAC Sec Cor1) - DCOR ballot passed 13 Jan 2021; no cmts; ISO/IEC publication June 2021

IEEE 802.1 Standards – PSDO Approved (4/4)

– PSDO approved (cont'd)

- IEEE 802.1Qcp (Bridges YANG)
ISO/IEC/IEEE 8802-1Q:2020/Amd 2:2021 - FDIS passed Jul 21; no cmts; published 9/21
- IEEE 802.1Qcy (VDP extension)
ISO/IEC/IEEE 8802-1Q:2020/Amd 3:2021 - FDIS passed Jul 21; no cmts; published 9/21
- IEEE 802.1AX-2020 (Link Agg)
ISO/IEC/IEEE 8802-1AX:2021 - FDIS passed Jul 21; no cmts; published 9/21
- IEEE 802.1Qcc (Stream Res Protocol)
(ISO/IEC/IEEE 8802-1Q:2020/Amd 31 (Ed 2)) - FDIS passed; cmt resp 11/21, sent Jan 2022
- IEEE 802.1CMde (Enh Fronthaul Profiles)
(ISO/IEC/IEEE 8802-1CM:2019/Amd 1) - FDIS passed; cmt resp 11/21, sent Jan 2022
- IEEE 802.1AS-2020 (Timing & Synchn)
(ISO/IEC/IEEE 8802-1AS:2021 (Ed 2)) - FDIS passed; cmt resp 11/21, sent Jan 2022
- IEEE 802.1X-2020 (Port Based Nw AC)
(ISO/IEC/IEEE 8802-1X:2021) - FDIS passed; cmt resp 3/22, sent Mar 2022
- IEEE 802.1CS (Link-local Reg Protocol)
(ISO/IEC/IEEE 8802-1CS:2022) - FDIS passed June 22; no cmts; published 7/22
- IEEE 802.1CBdb (FRER: Ext Stream ID Fns) - FDIS passed Jan 2023; no cmts
- IEEE 802.1CBcv (FRER: YANG) - FDIS passed Jan 2023; no cmts
- IEEE 802.1ABcu (YANG Data Model) - FDIS passed June 2023; no cmts
- IEEE 802.1ABdh (Multi-frame PDUs) - FDIS passed June 2023; no cmts

Brief Vehicle Status Update

- Maintenance database site: <https://www.802-1.org/>
- Current Document Vehicles for 75 open items
 - 802f/D2.1 SA recirc ballot closed Jul 6 2023 . Comment resolution at July plenary.
 - 802.1Qcw/D2.2 SA recirc ballot closed 7 May 2023 with no comments, 1 outstanding Disapprove. Send to RevCom at July plenary.
 - 802.1Qdd/D0.7 TG ballot closed 10 Apr 2023. Comment resolution at July plenary.
 - 802.1Qdj/D1.1 WG ballot closed 5 Jul 2023. Comment resolution at July plenary.
 - 802.1ASdm/D1.1 WG ballot closed 30 Jun 2023. Comment resolution at July plenary.
 - 802.1ASdn/D1.1 WG recirc ballot closed 5 May 2023. Comment resolution at July plenary.
- Open Items awaiting document vehicles
 - [309](#), [324](#), [337](#), [340](#), [342](#) – waiting for 802.1Q-2022-Rev
 - [353](#) – waiting for 802.1X
 - [339](#) – waiting for 802.1AB
 - [174](#), [298](#), [310](#) – waiting for 802.1AC
 - [352](#) – waiting for 802.1AE
 - [300](#) – waiting for 802.1BR (now inactive reserved)
 - [315](#), [338](#), [344](#) – waiting for 802.1CB

New Maintenance Requests

- [0362](https://www.ieee802.org/1/files/public/docs2023/as-turner-CMLDSmaintID0362-0623-v01.pdf): IEEE 802.1AS REVISION REQUEST on Invoking the MDpDelay SMs w/o CMLDS – Max Turner – contribution:
<https://www.ieee802.org/1/files/public/docs2023/as-turner-CMLDSmaintID0362-0623-v01.pdf>

Existing Maintenance Requests (requiring further discussion)

- [0242](#): IEEE Std 802.1Qcp-2018: Collected YANG issues – Johannes Specht
- [0248](#): Managed objects for ECP in 802.1Q-2018 – Norman Finn
- [0312](#): Stream ID as a Key for YANG lists – Don Fedyk
- [0314](#): network media and PHY – Johannes Specht
- [0343](#): Handling of stream_handle in Active Stream – Max Turner
- [0360](#): syncReceiptTimeout and announceReceiptTimeout need range specified – Geoff Garner
- [0361](#): Add a managed object to control the use of signal – Guenter Steindl

Maintenance Task Group Meeting

July 12, 2023 – 8:00 CEST

Agenda

<https://1.ieee802.org/july-2023-plenary-session-maintenance-tg-agenda-p802revc-comment-resolution/>

- Meeting introduction – Jessy Rouyer
- Approval of agenda – Jessy Rouyer
- [P802-REVC](#) comment [resolution](#) – James Gilb
- Unaddressed agenda items from Maintenance TG meeting on 11 July 2023 – Jessy Rouyer
- Any Other Business

P802-REVc comment resolution

- IEEE Standard P802-REVc – Revision to IEEE Standard 802-2014
 - <https://1.ieee802.org/maintenance/802-1cs-2020-cor1-corrigendum-to-ieee-standard-802-1cs-2020-2/>
 - <https://mentor.ieee.org/802.1/dcn/23/1-23-0008-14-Mntg-802-revc-comments-wg-lb1-pdis.ods>

Any Other Business?