Maintenance Task Group Electronic Meetings

July 13, 2021
July 16, 2021
July 19, 2021

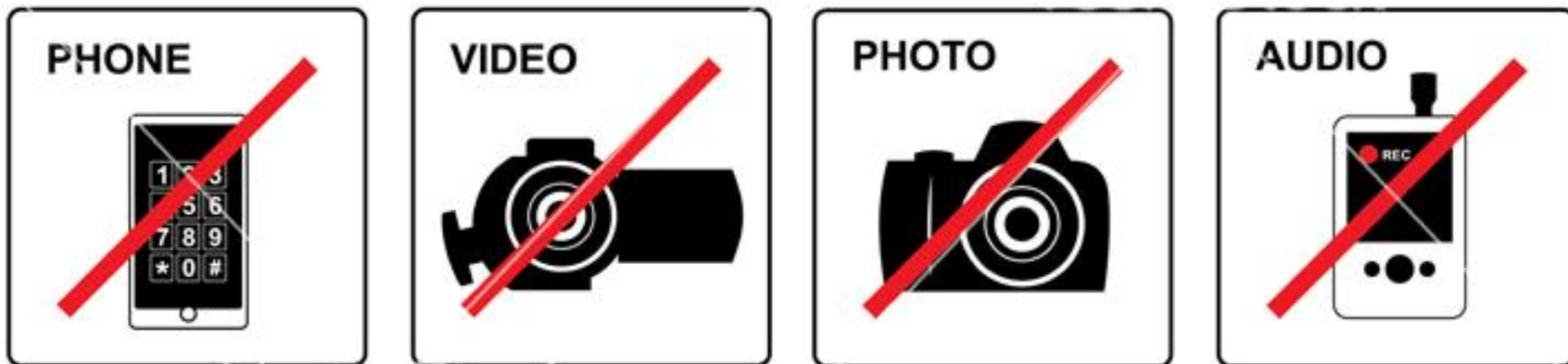Paul Congdon

REMINDER: Introduction Material

- The following information was made available before this meeting:
  - The IEEE Policy slides,
  - The IEEE SA Copyright and Participation Policies
- The information is part of "MEETING INTRODUCTION" at: https://www.ieee802.org/1/files/public/templates/admin-TG-intro-0721-v01.pdf

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**

IEEE SA STANDARDS ASSOCIATION

◈IEEE

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.**

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 email 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"
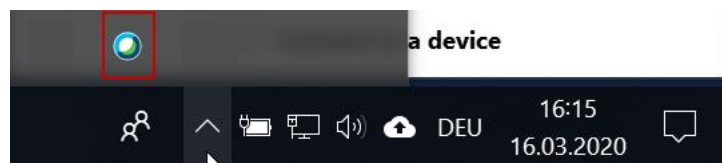
Please provide your information

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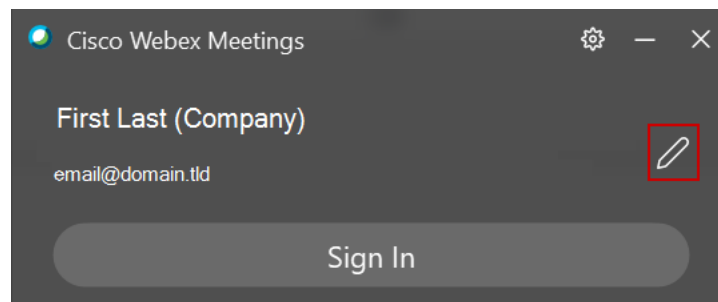
Changing your data in Webex

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.

Maintenance Task Group Meeting
July 13, 2021 – 2PM ET
Agenda

https://1.ieee802.org/july-2021-plenary-session-electronic-maintenance-agenda/

Motion Summary

- For the EC Consent Agenda:
  - Approve submission of the drafts to ISO/IEC JTC1/SC6 for information under the PSDO agreement.
  - Approve liaison response to ITU-T SG11 on the withdrawal of IEEE Std 802.1D-2004
  - Approve correcting the SA database to indicate that IEEE Std 802.1D-2004 was superseded by IEEE Std 802.1Q-2014

- For 802.1 WG Internal
  - Authorize Silvana Rodrigues as editor of 802.1ASdr to produce drafts and conduct TG balloting
  - Conditionally approve sending P802.1ACct D2.0 to Standards Association ballot
  - Conditionally approve sending P802.1AS-202/Cor1 D2.0 to Standards Association ballot
  - ~~Conditionally approve sending P802.1BA-Rev D2.0 to Standards Association ballot~~
  - Authorize the Maintenance TG to hold teleconferences

EEE
802

802.1D Withdrawal/Supersede Status

- https://www.ieee802.org/1/files/public/docs2021/maint-parsons-802.1D_withdrawal_status-0721-v01.pdf

Response to 802 PARs under consideration

- 802.3 Draft Responses
- 802.15 Draft Responses

Status of drafts not in ballot

- ## P802.1AS-2020/Cor1/D2.0
  - 4 comments on D2.0 were rejected, so no change to document
  - 1 No vote to be maintained for SA ballot
  - Motion to proceed to SA ballot with D2.0

- ## P802.1ASdr
  - [P802.1ASdr Editor's Update](#) – Silvana Rodrigues

Comment Resolution

- P802.1BA-Rev/D1.0 – David McCall
- P802.1Q-Rev/D0.5 – Mick Seaman

ISO/IEC JTC1 SC6 STATUS
July 2021

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.

IEEE 802.1 Standards – PSDO Approved (1/3)

- PSDO approved
  - 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
  - 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
  - 802.1BA-2011 (AVB systems)
    - FDIS passed August 2016; no comments
  - 802.1BR-2012 (Port extender)
    - FDIS passed August 2016; no comments

IEEE 802.1 Standards – PSDO Approved (2/3)

– PSDO approved (cont'd)

- 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
- 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 802.1 Standards – PSDO Approved (3/3)

- PSDO approved (cont'd)
  - IEEE 802d-2017 (URN Namespace) — - FDIS passed 3/2018; no cmts; pub Apr 2018
  - IEEE 802.1CB (Frame Repl & Elim for Relbty) - FDIS passed Dec 2018; no cmts
  - IEEE 802.1Qch (Cyclic Queuing & Fwding) - FDIS passed Jan 2019; no cmts
  - IEEE 802.1Qci (Per stream filtering & policing) - FDIS passed Jan 2019; no cmts
  - IEEE 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) - pre-ballot passed Oct 2018 w no cmts; 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 802.1 Stds for SC6 approval

- For adoption: PSDO in process (FDIS ballots)
  - IEEE 802.1AE-2018/Cor1 (MAC Sec Cor1) (ISO/IEC/IEEE 8802-1AE:2020/COR 1:2021) — DCOR ballot passed 13 Jan 2021; no cmts; ISO publication June 2021
  - IEEE 802.1Qcp (Bridges YANG) (ISO/IEC/IEEE 8802-1Q:2020/FDAmd 2 (Ed 2)) — CIB passed July 2020; no cmts; FDIS ballot closes 29 July 2021
  - IEEE 802.1Qcy (VDP extension) (ISO/IEC/IEEE 8802-1Q:2020/FDAmd 3 (Ed 2)) — CIB passed July 2020; no cmts; FDIS ballot closes 29 July 2021
  - IEEE 802.1AX-2020 (Link Agg) (ISO/IEC/IEEE FDIS 8802-1AX (Ed 2)) — CIB passed August 2020; no cmts; FDIS ballot closes 29 July 2021
  - IEEE 802.1Qcc (Stream Res Protocol) (ISO/IEC/IEEE 8802-1Q:2020/FDAmd 31 (Ed 2)) — CIB cmt resp apprv 9/20; sent 21Oct20; FDIS ballot closes 8 Sep 21
  - IEEE 802.1CMde (Enh Fronthaul Profiles) (ISO/IEC/IEEE 8802-1CM:2019/FDAmd 1) — CIB passed Jan 21; no cmts; FDIS closes 8 Sep 21
  - IEEE 802.1AS-2020 (Timing & Synchn) (ISO/IEC/IEEE 8802-1AS:2021) — CIB cmt resp sent 21Oct20; FDIS closes 16 Sep 21
  - IEEE 802.1X-2020 (Port-Based NW AC) — CIB cmt resp sent 26Mar21; FDIS closes 17 Nov

- For adoption: PSDO in process (60-day Committee Internal Ballots)
  - IEEE 802.1CS (Link-local Reg Protocol) — Nov 2020 motion to send std for adoption; Std sent 26 Apr 21; CIB closes 31 Jul

- Standards to send for adoption/start ballots (send when published)
  - IEEE 802.1Qcz (Congestion Isolation) — D1.2 sent for info 26 Aug 2020; Nov 2020 motion to send when pub

- SA ballot drafts to send for information:
  - IEEE P802.1ABcu — motion Mar 2021 – send when to SA ballot
  - P802.1Qcx (YANG for Conn Fault Mgmt) — motion Jul 2019 – D2 sent for info 21 Jan 20
  - P802.1Qcr (Asynchronous Traffic Shaping) — motion July 2020 – D2.3 sent 26 Aug 2020
  - P802.1Q-Rev-2021 (Bridges & Bridged Nws) — motion Nov 2020 – send when to SA ballot, with note about which amendments are included

Liaisons

- Incoming:
    - **ITU-T SG2**: LS190 LS response on IEEE Std 802.1D-2004 withdrawal (NR)
    - **ITU-T SG5**: LS219 LS response on use of inclusive language in 3GPP (NR)
    - **ITU-T SG9**: LS141 LS response on IEEE Std 802.1D-2004 withdrawal (NR)
- Outgoing:
    - Response to "LS 186: Liaison response on the withdrawal of IEEE Std 802.1D-2004" – Karen Randall

Brief Vehicle Status Update

- Maintenance database site issues resolved – current status believe to be accurate: https://www.802-1.org/

- Current Document Vehicles for open items
  - 802.1ABcu/D2.0 SA ballot closed July 7th, 2021. Comment resolution at July Plenary.
  - 802.1Qcw/D1.3 WG comment resolution completed Mar 31st, 2021. Editor preparing next draft.
  - 802.1CBdb/D1.5 WG recirc ballot closed July 1st, 2021. No comments to process.
  - 802.1CBcv/D1.3 comment resolution completed June 7th, 2021. Editor preparing next draft.
  - 802.1Qcz/D2.0 SA ballot closed Feb 21st. 2021. Recirc waiting on other dependent standards.
  - 802.1Qdd/D0.4 comment resolution completed Feb 11th, 2021. Editor is preparing next draft
  - 802.1Q-Rev/D0.5 WG recirc ballot completed June 25th, 2021. Comment resolution at July Plenary.
  - 802.1BA-Rev/D1.0 WG ballot completed June 25th, 20201. Comment resolution at July Plenary.
  - 802.1AS-2020/Cor1/D2.0 WG recirc ballot completed June 2nd, 2021. No outstanding comments.
  - 802f/D0.4 comment resolution completed June 3rd, 2021. Editor preparing next draft.

- Open Items awaiting document vehicles
  - 0174, 0298 – waiting for 802.1AC
  - 0300 – waiting for 802.1BR

New Maintenance Items

- [0329](): Incorrect definition of schedulerEligibilityTime in IEEE Std 802.1Qcr-2020
- [0330](): Incorrect definition of BucketEmptyTime in IEEE Std 802.1Qcr-2020
- [0331](): incorrect value for the meanLinkDelay when CMLDS is used
- [0332](): NewInfo not set TRUE in PortStateSettingExt state machine

Existing Maintenance Items

- [0242](): IEEE Std 802.1Qcp-2018: Collected issues on data consistency and others
- [0248](): Managed objects for ECP in 802.1Q-2018
- [0311](): 802.1Q: Resolution of stream filters with wildcard stream_handle specification
- [0314](): network media and PHY
- [0316](): Scaling Parameters for FRER
- [0317](): Clarification on precedence in Stream Identity Table
- [0319](): Race condition in 802.1Q-2018 between List Config state machine (clause 8.6.9.3) and Cycle Timer state machine (clause 8.6.9.1) – Alon Regev
- [0322](): Alternate set of information needed to correlate preciseOriginTimestamp
- [0324](): Use of Tick in List Execute state machine (802.1Q) – Max Turner
- [0325](): IEEE 802.1 REVISION REQUEST on AVB latency calculation