Maintenance Task Group Electronic Meetings

January 18, 2022
January 21, 2022

Paul Congdon
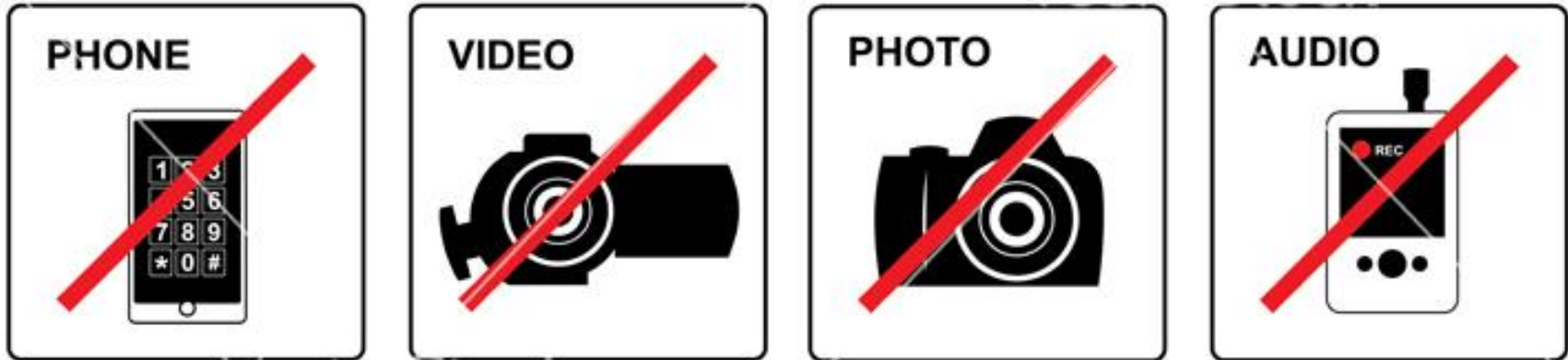
REMINDER: Introduction Material

- 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.**

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 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"
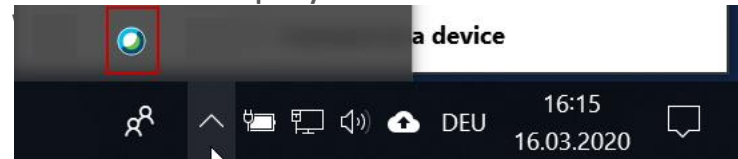
Please provide your information

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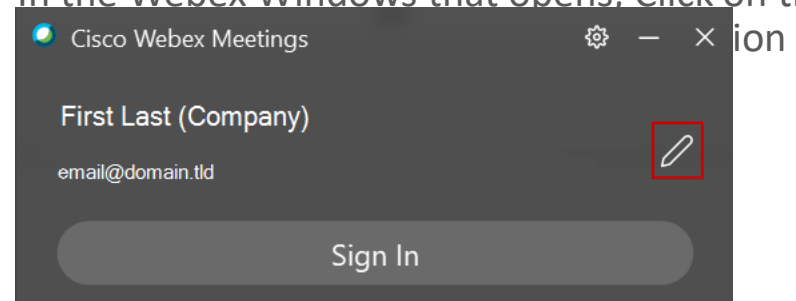
Changing your data in Webex

Step 1

- Go to the "Display hidden icons" arrow in the

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

Step 2

- In the Webex Windows that opens, Click on the ion

(*) May need to Exit Webex via the cog wheel and restart the desktop Webex app to see the pencil icon.

Maintenance Task Group Meeting
January 18, 2022 – 2PM ET
Agenda

https://1.ieee802.org/january-2022-interim-session-electronic-maintenance-tg-agenda/

P802.1ASdr Editor's update

- [Editor's update](#) - Silvana Rodrigues

ISO/IEC JTC1 SC6 STATUS
January 2022

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 Stds for SC6 approval

- For adoption: PSDO in process (FDIS ballots)
  - IEEE 802.1Qcc (Stream Res Protocol) (ISO/IEC/IEEE 8802-1Q:2020/Amd 31 (Ed 2))
    - CIB cmt resp apprv 9/20; sent 21Oct20; FDIS ballot closed 8 Sep 21 w cmts from China NB Cmt resp approved Nov 2021; sent 17 Jan 22
  - IEEE 802.1CMde (Enh Fronthaul Profiles) (ISO/IEC/IEEE 8802-1CM:2019/Amd 1)
    - CIB passed Jan 21; no cmts; FDIS ballot closed 8 Sep 21 with cmts from China NB Cmt resp approved Nov 2021; sent 17 Jan 22
  - IEEE 802.1AS-2020 (Timing & Synchn) (ISO/IEC/IEEE 8802-1AS:2021 (Ed 2)
    - CIB cmt resp sent 21Oct20; FDIS closed 16 Sep 21 with comments from China NB Cmt resp approved Nov 2021; sent 17 Jan 22
  - IEEE 802.1X-2020 (Port-Based NW AC) (will be ISO/IEC/IEEE 8802-1X:2021)
    - CIB cmt resp sent 26Mar21; FDIS closed 17 Nov with 2 comments from China NB. To be reviewed
  - IEEE 802.1CS (Link-local Reg Protocol)
    - Nov 2020 motion to send std for adoption; CIB passed 31 Jul no cmts; FDIS closes 26 May 22

- For adoption: PSDO in process (60-day Committee Internal Ballots)
  - IEEE P802.1ABcu, P802.1BA-Rev, P802.1ABdh, P802.1AS-2020/Cor 1, P802.1ACct, P802.1CBdb, P802.1CBcv, P802.1Q-Rev
    - motion Nov 2021 – send for adoption when published

IEEE 802.1 Stds for SC6 approval

– Standards sent for information (next step: send for adoption when published)

- IEEE P802.1ABcu   - motion Mar 2021 – D2 sent for info 23 July 2021
- IEEE P802.1CBdb, P802.1CBcv, P802.1ACct,   - motion Jul 2021 – send for info when SA ballot
  P802.1ABdh, P802.1AS-2020/Cor 1, P802.1BA-Rev Sent 22 Sept 2021
- IEEE P802.1Q-Rev-2022(Bridges & Bridged Nws) - motion Nov 2020 – SA ballot in Sep 2021,
                                                     sent 22 Sept noting amendments included
- 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 when SA ballot starts

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

- 802.1BA-2011 (AVB systems)   - closes March 2022
- 802.1BR-2012 (Port extender)   - closes March 2022

IEEE 802.1 Standards – PSDO Approved (1/3)

– PSDO approved: 38 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

- 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 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 802.1AE-2018/Cor1 (MAC Sec Cor1) ISO/IEC/IEEE 8802-1AE:2020/COR 1:2021 — - DCOR ballot passed 13 Jan 2021; no cmts; ISO/IEC publication June 2021
- 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

P802-Rev PAR Development

- [P802-Rev PAR](#) – Roger Marks

Comment Resolution

- P802.1Q-Rev/D1.0 – Mick Seaman

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-2021 approved Dec 8th, 2021. Waiting publication.
  - 802.1Qcw/D1.3 WG comment resolution completed Mar 31st, 2021. Editor preparing next draft.
  - 802.1CBdb-2021 approved Dec 8th, 2021. Waiting publication.
  - 802.1CBcv-2021 approved Dec 8th, 2021. Waiting publication.
  - 802.1Qcz/D2.1 SA recirc completed Jan 5th, 2022. Comment resolution at January interim.
  - 802.1Qdd/D0.5 TG comment resolution completed Oct 18th, 2021. Editor preparing next draft
  - 802.1Q-Rev/D1.0 SA ballot closed Oct 8th, 2021. Comment resolution continues at January interim.
  - 802.1BA-Rev/D2.0 SA recirc completed Sept 28th, 2021. Waiting publication.
  - 802.1AS-2020/Cor1-2021 approved Dec 8th, 2021. Waiting publication.
  - 802f/D1.1 WG ballot completed Jan 11th, 2022. Comment resolution continues at January interim.
  - 802.1Qdj/D0.2 TG ballot completed Jan 12th, 2022. Comment resolution continues at January interim.

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

Existing Maintenance Requests

- [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
- [0324](): Use of Tick in List Execute state machine (802.1Q) – Max Turner
- [0325](): AVB latency calculation
- [0330](): Incorrect definition of BucketEmptyTime in IEEE Std 802.1Qcr-2020
- [0333](): Wildcard support for tsnCpeNullDownDestMac
- [0336](): OperIPV initialization not defined