Maintenance Task Group Conference Call

January 22, 2021
Paul Congdon

REMINDER: Introduction Material

- The following information was made available before this meeting:
  - The IEEE SA Copyright Policy slides,
  - The IEEE SA PatCom Patent Slides for Standards Development Meetings,
  - The IEEE SA slides regarding IEEE Codes of Ethics and Conduct, participation in the "individual process", and dominance,
  - The decorum information, and
  - The reminder for participants to register their attendance in IMAT
- The information can be reviewed at: http://www.ieee802.org/1/files/public/templates/admin-WG+TG-intro-0720-v01.pdf

Participants have a duty to inform the IEEE

- Participants <u>shall</u> 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 <u>should</u> inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims
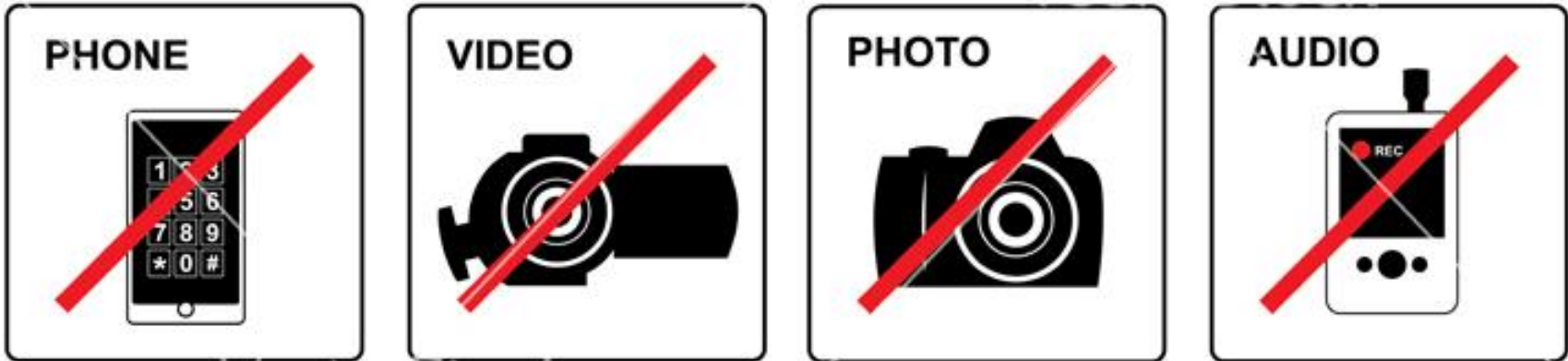
Early identification of holders of potential Essential Patent Claims is encouraged

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

Decorum

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

Register Attendance for Minutes

- **Please register your attendance at IMAT: https://imat.ieee.org**
- **This requires a free IEEE Account.**
- **Please sign up 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.**

Electronic meeting guidelines

- Please provide your information
  - Full name
  - Affiliation, as part of your name, e.g., in brackets
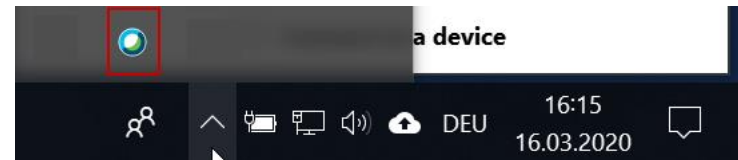 - (May provide them in the chat window.)

- Please mute yourself when you are not speaking

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

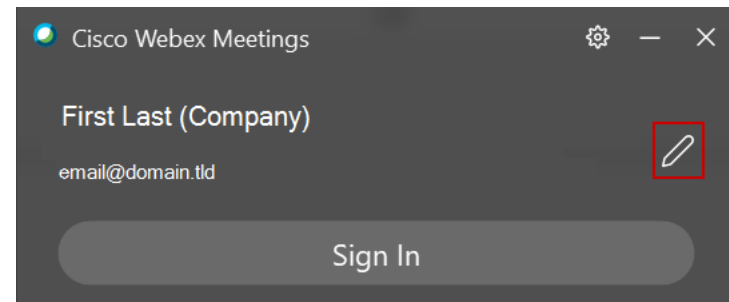- Changing your data in Webex

- 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 it to see the pencil icon.)

Maintenance Task Group Meeting
January 19, 2021 – 2PM EST
Agenda

https://1.ieee802.org/january-2021-interim-session-electronic-maintenance-agenda/

ISO/IEC JTC1 SC6 STATUS
January 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
- 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.

- 802.1AB-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
- 802-2014 - FDIS passed Nov 2015, cmts liaised Jan 2016
- 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)

- 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 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)   - DCOR ballot passed 13 Jan 2021; <u>no comments</u>
  - IEEE 802.1Qcp (Bridges YANG)   - pre-ballot passed July 2020; no cmts; FDIS TBA
  - IEEE 802.1Qcy (VDP extension)   - pre-ballot passed July 2020; no cmts; FDIS TBA
  - IEEE 802.1AX-2020 (Link Agg)   - pre-ballot passed August 2020; no cmts; FDIS TBA
  - IEEE 802.1Qcc (Stream Res Protocol)   - pre-ballot comment response rvw/apprv 9/2020; sent 21 Oct 2020; FDIS TBA
  - IEEE 802.1AS-2020 (Timing & Synchn)   - pre-ballot comment response rvw/apprv 9/2020; sent 21 Oct 2020; FDIS TBA

- For adoption: PSDO in process (60-day Committee Internal ballots)
  - IEEE 802.1X-2020 (Port-Based NW AC)   - pre-ballot closed 14 Dec 2020 w/cmts from China NB; <u>draft of comment response to be reviewed</u>
  - IEEE 802.1CMde (Enh Fronthaul Profiles)   - sent 21 Oct; pre-ballot closes 22 Jan 2021

- Send stds for adoption/start ballots (send when published)
  - IEEE 802.1CS (Link-local Reg Protocol)   - D3.0 sent 26 Aug 2020; Nov 2020 send when pub
  - IEEE 802.1Qcz (Congestion Isolation)   - D1.2 sent 26 Aug 2020; Nov 2020 send when pub

- Send drafts for Information:
  - P802.1Qcx (YANG for Conn Fault Mgmt)   - D2 sent for info 21 Jan 20 (not sent for adoption)
  - P802.1Qcr (Asynchronous Traffic Shaping) - motion July 2020 – D2.3 sent 26 Aug 2020 (do not send for adoption)
  - P802.1Q-Rev-2021 (Bridges & Bridged Nws) - motion Nov 2020 – send when to SA ballot, with note about which amendments are rolled in.

Liaisons – January 2021

Liaisons

Incoming - ITU-T SG LS 268

OTNT Std Work Plan Issue 28

Outgoing – ISO/IEC JTC1/SC6

Ballot comment response to IEEE Std 802.1X-2020

YANG Maintenance Item

- Maintenance item 0242: IEEE Std 802.1Qcp-2018: Collected issues on data consistency and others – Johannes Specht – Link

Maintenance item 278 for 802.1AS-2020 Corrigendum

- https://www.ieee802.org/1/files/public/docs2021/as-garner-maintenance-item-278-input-needed-v00.pdf

AS-2020/Cor1

- [Initial Draft](#) - Editor's report

Future Meeting

- Next conference call: Feb 2nd, 11AM EST

- https://1.ieee802.org/maintenance-tg-electronic-meeting-agenda-february-2-2021/

- Tentative Agenda:
  1. Meeting introduction
  2. Approval of agenda
  3. 802.1ASdr PAR & CSD Development
  4. PFC and MACSec Next Steps – TBD
  5. P802.1ACct/d0.2 Comment Resolution – James Gilb
  6. Existing and New Maintenance Item Review - TBD
  7. Any Other Business