

Maintenance Task Group Conference Call

July 14th, 2020

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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 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

Maintenance Task Group Meeting

July 14, 2020 – 2PM EDT

Agenda

1. Meeting introduction
2. Approval of agenda
3. P802.1Q-Rev status update – [d0.2](#) - John Messenger
4. SC6 Status
5. Liaisons
 - [ISO/IEC/IEEE 8802-1X:2013/FDAmD 2](#) – Proposed [Response](#)
 - [ISO/IEC/IEEE FDIS 8802-1AE \(Ed 2\)](#) – Proposed [Response](#)
6. Document Vehicle Status
7. New Maintenance Items
 - [0271](#): Default configuration for bridges that support credit-based shaper
8. Any Other Business

JTC1 SC6 STATUS – July 2020

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 Sponsor Ballot draft for information and comment
 - To submit approved standard for PSDO approval
 - Procedure for Corrigenda: one 90 day ballot and three questions.

802.1 Stds for SC6 approval (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
- 802.1AB-2016 (Stn & MAC Conn Disc)
 - FDIS passed 4/17; Cmt resp liaised Jul 2017
- 802.1Qbv-2015 (Enh 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

802.1 Stds for SC6 approval (2/3)

– PSDO approved (cont'd)

- 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 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
- IEEE 802.1Q-2018 (Bridges)
 - FDIS ballot passed May 2020 w/cmt; cmt resp rvw May 2020; sent 2 June 2020

802.1 Stds for SC6 approval (3/3)

- For adoption 2018 - PSDO in process (FDIS ballots)
 - IEEE 802.1Q-Rev (Bridges) - FDIS ballot closed 4 May 2020 w 1 cmt (China NB) Comment response sent 2 June 2020
 - IEEE 802.1AE-2018 (MAC security) - pre-ballot comment response rvw/apprv 7/2019; sent 17 Sep 2019; FDIS ballot closed; cmt resp
 - IEEE 802.1Xck (802.1X YANG model) - pre-ballot comment response rvw/appr 7/2019; sent 17 Sep 2019; FDIS ballot closed; cmt resp
- For adoption - PSDO in process (60-day pre-ballots)
 - IEEE 802.1Qcp (Bridges YANG) - Sent to SC6 8 May; ballot closes 16 July 2020
 - IEEE 802.1Qcc (Stream Res Protocol) - Sent to SC6 8 May; ballot closes 16 July 2020
 - IEEE 802.1Qcy (VDP extension) - Sent to SC6 8 May; ballot closes 16 July 2020
 - P802.1AX-2020 (Link Agg) - Sent to SC6 4 June; ballot closes 22 Aug 2020
 - P802.1AS-2020 (Timing & Synchn) - Sent to SC6 22 June; ballot closes 22 Aug 2020
- Next to send - send for adoption/start ballots when published
- For Information – send document drafts
 - P802.1CMde (Enhance Fronthaul Profiles) - D2 sent for info 21 Jan 2020
 - P802.1Qcx (YANG for Conn Fault Mgmt) - D2 sent for info 21 Jan 2020
 - P802.1X-Rev (Port-Based NW Acc Cntrl) - July 2019: motion to send when SA ballot opens *(not sent; waiting for Xck FDIS to complete first)*
 - P802.1CS (Link-local Registration Protocol) - motion TBD - send SA ballot draft when ready
 - P802.1Qcr (Asynchronous Traffic Shaping) - motion TBD - send SA ballot draft when ready
 - P802.1AE-2018/Cor1 (MAC Security Cor1) - motion TBD - send most recent when approp.

Motions at July 2020 Plenary

- Motion to approve/send ballot comment responses for
 - **IEEE 802.1AE-Rev** and **IEEE 802.1Xck-2018**: FDIS ballots closed on 26 June, with comments from China NB on both. Comment responses to be reviewed/approved at July 2020 Plenary.
- Motion to send drafts for information (conditional on the draft entering SA ballot):
 - **IEEE P802.1Qcr**, **IEEE P802.1CS**, **IEEE P802.1Qcz**
- Motion to send standard for information:
 - **IEEE 802.1X-2020**: original motion approved July 2019 to send draft conditional on entering SA ballot. We waited for **IEEE 802.1Xck** FDIS to complete. Since IEEE 802.1X-2020 is now published, will do new motion to send published version.
- Motion to send document for information
 - **IEEE P802.1AE-2018/Cor1**: This is approved and ready for publication. Send published version.
- Motion to send documents for adoption (once approved and published):
 - **IEEE 802.1CMde** and **IEEE 802.1Qcx**: both sent for info January 2020
 - **IEEE 802.1AE-2018/Cor1** ***under the corrigendum process*
- May need motion at future Plenary to approve/send ballot comment responses for
 - **IEEE 802.1Qcc**, **802.1Qcp**, and **802.1Qcy** – 60 day pre-ballots close at the end of the July Plenary, We may receive comments that would need responses prepared/reviewed.

Liaisons – July 2020

FDIS Comment Responses

IEEE 802.1Xck-2018

- [ISO/IEC/IEEE 8802-1X:2013/FDAmd 2](#) – Proposed [Response](#)

IEEE 802.1AE-2018

- [ISO/IEC/IEEE FDIS 8802-1AE \(Ed 2\)](#) – Proposed [Response](#)

Brief Status Update

- Maintenance database site issues resolved – current status believe to be accurate:
<https://www.802-1.org/>
- Current Document Vehicles for open items
 - 802.1AS-2020 was published 19 June 2020.
 - 802.1ABcu/D1.0 WG ballot completed Jan 13th. Editor is preparing next draft.
 - 802.1Qcw/D1.1 WG ballot completed May 10th. Editor is preparing next draft.
 - 802.1Qcr/D2.3 SA recirc closed May 29th.
 - 802.1Qcx-2020 approved June 4th, 2020. Awaiting publication.
 - 802.1CBdb/D0.7 TG ballot closed July 8th. Comment resolution completed July 14th.
 - 802.1CBcv/D0.3 TG ballot completed May 18th. Editor is preparing next draft.
 - 802.1CMde-2020 approved June 4th, 2020. Awaiting publication.
 - 802.1AE-2018/Cor 1-2020 approved June 4th, 2020. Awaiting publication
 - 802.1Qcz/D1.1 WG recirc ballot completed July 13th. Editor is preparing next draft.
 - 802.1Qdd/D0.2 TG comment resolution completed June 24th, 2020. Editor is preparing next draft.
- Open Items awaiting document vehicles
 - 0170 – waiting for 802.1BA
 - 0174 – waiting for 802.1AC
 - 0237 – waiting for 802

New Maintenance Item

- [0271](#): Default configuration for bridges that support credit-based shaper