

Maintenance Task Group Electronic Meeting

September 20, 2021

September 24, 2021

Administrative

- <http://www.ieee802.org/1/files/public/templates/admin-TG-intro-0721-v01.pdf>

Maintenance Task Group Meeting

Sept 21, 2021 – 11AM ET

Agenda

<https://1.ieee802.org/september-2021-interim-session-electronic-maintenance-tg-agenda/>

- Meeting introduction
- Approval of agenda
- [P802.1ACct PAR Extension](#) – Paul Congdon
- [P802.1ASdr Editor's Update](#) – Silvana Rodrigues
- SC6 Status – Karen Randall
- Liaisons
- Document Vehicle Status
- 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)
 - [0322](#): Alternate set of information needed to correlate preciseOriginTimestamp
 - [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
 - [0335](#): clarification of difference between currentTime and localTime in 802.1AS
- Any Other Business

ACct Draft PAR Extension

- <https://www.ieee802.org/1/files/public/docs2021/ct-draft-PAR-extension-0921-v00.pdf>

Motion

- Approve forwarding P802.1ACct PAR extension documentation in <https://www.ieee802.org/1/files/public/docs2021/ct-draft-PAR-extension-0921-v00.pdf> to NesCom
- Approve (unmodified) CSD documentation in <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0155-00-ACSD-802-1acct.pdf>
- In the WG, Proposed: Paul Congdon, Second: James Gilb
 - PAR (y/n/a): <y>,<n>,<a>
 - CSD (y/n/a): <y>,<n>,<a>
- In EC, mover: Glenn Parsons, Second:
 - (y/n/a): <y>,<n>,<a>

P802.1ASdr Editor's Report

- <https://www.ieee802.org/1/files/public/docs2021/dr-Rodrigues-editors-update-0921-v00.pdf>

ISO/IEC JTC1 SC6 STATUS

September 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 Stds for SC6 approval

- For adoption: PSDO in process (FDIS ballots)
 - IEEE 802.1Qcc (Stream Res Protocol) (ISO/IEC/IEEE 8802-1Q:2020/FDAmD 31 (Ed 2)) - CIB cmt resp appr 9/20; sent 21Oct20; FDIS ballot closed 8 Sep 21 w cmts from China NB
 - IEEE 802.1CMde (Enh Fronthaul Profiles) (ISO/IEC/IEEE 8802-1CM:2019/FDAmD 1) - CIB passed Jan 21; no cmts; FDIS ballot closed 8 Sep 21 with cmts from China NB
 - 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
 - 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; CIB passed 31Jul w no cmts; wait for FDIS to open
- 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 (waiting for Q-Rev publication)
- SA ballot drafts to send for information:
 - P802.1CBdb, P802.1CBcv, P802.1ABdh, P802.1AS-2020/Cor 1, P802.1BA-Rev, P802.1ACct - motion Jul 2021 – send when SA ballot starts (*ready to send drafts– 2 Aug, 9 Sep*)
 - IEEE P802.1ABcu - motion Mar 2021 – D2 sent for info 23 July 2021
 - 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 – SA ballot in Sep 2021, send with note about amendments that are included

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

Liaisons

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/D2.1 SA recirc ballot comments resolved Sept 20th, 2021. Editor preparing next draft.
 - 802.1Qcw/D1.3 WG comment resolution completed Mar 31st, 2021. Editor preparing next draft.
 - 802.1CBdb/D2.0 SA ballot comments resolved Sept 20th, 2021.
 - 802.1CBcv/D2.0 SA ballot comments resolved Sept 20th, 2021.
 - 802.1Qcz/D2.0 SA ballot closed Feb 21st. 2021. Recirc waiting on other dependent standards.
 - 802.1Qdd/D0.5 TG ballot closed Sept 19th, 2021. Comment resolution at September interim.
 - 802.1Q-Rev/D1.0 SA ballot closes Oct 8th, 2021.
 - 802.1BA-Rev/D2.0 SA ballot closes Sept 26th, 2021. Comment resolution scheduled for Sept 28th
 - 802.1AS-2020/Cor1/D3.0 SA ballot comments resolved Sept 13th, 2021. Waiting to start re-circ
 - 802f/D1.0 WG ballot closed Aug 23rd, 2021. Comment resolution at September 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
- [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)
- [0322](#): Alternate set of information needed to correlate preciseOriginTimestamp
- [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
- [0335](#): clarification of difference between currentTime and localTime in 802.1AS