802.1 Plenary – July 2019 Vienna, Austria

Closing Agenda

John Messenger – IEEE 802.1 Acting WG Chair
JMessenger@advaoptical.com

802.1 plenary agenda

Monday opening

- Call for Patents
- Participation guidelines
- Administrative
- Membership status
- Future Meetings
- 802 reports
- Sanity check – current projects
- Incoming Liaisons
- TG agendas

Thursday closing

- Call for Patents
- Membership status
- Future Meetings
- Sanity check – current projects
- 802 reports
- TG reports
- Outgoing Liaisons
- Motions for EC
- Motions for 802.1

Instructions for the WG Chair

The IEEE-SA strongly recommends that at each WG meeting the chair or a designee:

- **Show slides #1 through #4 of this presentation**
- **Advise the WG attendees that:**
  - IEEE's patent policy is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
  - Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
  - There may be Essential Patent Claims of which IEEE is not aware. Additionally, neither IEEE, the WG, nor the WG Chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

- **Instruct the WG Secretary to record in the minutes of the relevant WG meeting:**
  - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
  - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
  - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.

- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG Chair review the guidance in *IEEE-SA Standards Board Operations Manual* 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

  Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.

(Optional to be shown)

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

Other guidelines for IEEE WG meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**

  - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**

  - **Don't discuss specific license rates, terms, or conditions.**

    - Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.

      - **Technical considerations remain the primary focus**

  - **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**

  - **Don't discuss the status or substance of ongoing or threatened litigation.**

  - **Don't be silent if inappropriate topics are discussed … do formally object.**

    For more details, see *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and *Antitrust and Competition Policy: What You Need to Know* at http://standards.ieee.org/develop/policies/antitrust.pdf

Patent-related information

The patent policy and the procedures used to execute that policy are documented in the:

- *IEEE-SA Standards Board Bylaws*
  (http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6)
- *IEEE-SA Standards Board Operations Manual*
  (http://standards.ieee.org/develop/policies/opman/sect6.html#6.3)

Material about the patent policy is available at
http://standards.ieee.org/about/sasb/patcom/materials.html

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org

Decorum

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

802.1 officers

- Officers
  - (Chair: Glenn Parsons)
  - Vice Chair and acting Chair: John Messenger
  - Recording Secretary and acting Vice Chair: Jessy Rouyer
  - Security TG Chair: Mick Seaman
  - TSN TG Chair: János Farkas
    - TSN TG Vice Chair: Craig Gunther
    - TSN TG Secretary: Marina Gutiérrez
  - IEC/IEEE 60802 Joint Project chair: Ludwig Winkel
    - IEC/IEEE 60802 Joint Project secretary: Josef Dorr
  - OmniRAN TG Chair (retiring): Max Riegel
  - Maintenance TG chair: Paul Congdon
  - Nendica chair: Roger Marks
  - YANGsters chair: Scott Mansfield
  - Maintenance of website: Paul Unbehagen
  - Maintenance of Email exploder: Hal Keen & Mark Hantel
- Website
  - http://www.ieee802.org/1/

The following are 802.1 voters (61):

ADEMAJ, Astrit
Assmann, Ralf
Bierschenk, Jens
Boiger, Christian
Bottorff, Paul
Chen, Feng
Cheng, Weiying
Congdon, Paul
Cummings, Rodney
Dorr, Josef
Elbakoury, Hesham
Enzinger, Thomas
Farkas, Janos
Fedyk, Donald
Finn, Norman
Garner, Geoffrey
Gunther, Craig
Gutierrez, Marina
Haddock, Stephen
Hantel, Mark
Holness, Marc

Itaya, Satoko
Ito, Yoshihiro
Karl, Michael
Kehrer, Stephan
Kelsey, Randy
KOTO, Hajime
Lawliss, James
Mangin, Christophe
Mansfield, Scott
Maruhashi, Kenichi
McMillan, Larry
Messenger, John
Mustala, Tero
Myers, Roy
Ohsawa, Tomoki
ohue, hiroshi
Pannell, Donald R
Parsons, Glenn
Potts, Michael
QIU, WEI
Randall, Karen

Riegel, Maximilian
Rouyer, Jessy
Sato, Atsushi
Schewe, Frank
Seaman, Michael
Seewald, Maik
Specht, Johannes
Stanica, Marius
Steindl, Guenter
Wang, Xinyuan
Wang, Tongtong
Wang, Hao
Weber, Karl
Weis, Brian
Winkel, Ludwig
Woods, Jordon
Yamaura, Takahiro
Zein, Nader
Zweck, Harald

The following became voting members this week:

Fedyk, Donald
Ito, Yoshihiro
Kelsey, Randy
Lawlis, James
Myers, Roy
Zweck, Harald

The following will <u>become</u> voting members when/if they show up here this week: (and they did)

Myers, Roy
Lawlis, James
Zweck, Harald

The following could <u>become</u> voting members if they email me indicating their intention to do so and if they show up here this week:

Arokkiam, Jerome	Gravel, Mark	Sun, Wenhao
Bechtel, Gordon	Gray, Eric	Tarui, Isao
Belliardi, Rudy	Harima, Taro	Wamsser, Reiner
Chang, Xin	Hasegawa, Akio	Wood, Graeme
Chen, Lihao	Hemmer, David	YU, Yi
Chou, Vincent	Hotta, Yoshifumi	Zhang, Jiayi
DeLaOlivaDelgado, Antonio	KONDO, Kenji	Zinner, Helge
	Kondo, Yoshihisa	Zuponcic, Steven
Ellegaard, Lars	Li, Dong	
Fan, Xiaojing	Ohori, Fumiko	
Fincher, Scott	Osagawa, Daisuke	
Fontaine, Mickael	Osuga, Toru	

The following will <u>lose</u> voting member status for lack of qualifying attendance, unless they show up here this week:

None

The following will <u>lose</u> their voting membership at the end of the plenary through lack of qualifying WG letter ballot voting:

None (but warnings will be issued)

802.11 Reciprocal credit

- 802.1 voters may get credit for attending any 802.11

- 802.1 voting members who are also 802.11 voting members may get a popup in IMAT each time they register attendance to ask which group they are accumulating credit for this plenary.

- 802.1 attendance credit will not be granted from a voter who attended only 802.11 meetings.

Future interim meetings

- September 16-20, 2019
  - ADVA Optical Networking hosting in Edinburgh
    - Registration cutoff: July 25th – Register and book now!
- September 23, 2019
  - TSN interim meeting for 802.1DG hosted by GM in Detroit, prior to IEEE Ethernet/IP Automotive Tech Day
    - Register by email
- Jan 20-24, 2020 (workshop Jan 25)
  - Geneva, CH, hosted by 802.3/ITU-T/Nokia
- May 18-22, 2020
  - Ethernet Alliance in North America
- September 21-25, 2020 – Stuttgart proposal

January 2020 Interim Meeting IEEE 802.1 and 802.3

- Hosts: International Telecommunication Union (ITU), IEEE 802.3, Nokia

- Dates: 20-24 January 2020

- Location: ITU Headquarters (Geneva, Switzerland)

- Meeting Fee: None (but you buy your own breakfast, coffee)

- No designated meeting hotel: you are free to use:
  - Any of the ITU negotiated rates: http://www.itu.int/travel/index.html
  - Your company negotiated hotel deals
  - Your favorite travel website

Jan 2020:
Adjacent and Related Meetings

- Joint IEEE 802.1, 802.3 and ITU-T Study Group 15 Workshop Saturday, 25 January 2020. Topics expected to include:
    - High Speed and Long-Reach Optical Interfaces (IEEE P802.3cn, P802.3ct, ITU-T Q6/15, Q11/15)
    - Passive Optical Networking (IEEE P802.3ca, P802.3cp, P802.3cs, ITU-T Q2/15)
    - 5G Mobile Transport (IEEE 802.1CM, ITU-T Q2/15, Q11/15, Q13/15)
    - YANG and data modeling
- ITU-T Study Group 15 Plenary Meeting – 27 January-7 February 2020

- (workshop of January 2018: https://www.itu.int/en/ITU-T/Workshops-and-Seminars/20180127/Pages/Programme.aspx)

Future plenaries

- November 10-15, 2019 – Waikoloa, HI, USA
  - Hilton Waikoloa Village
- March 15-20, 2020 – Atlanta, GA, USA
  - Hilton Atlanta
- July 12-17, 2020 – Montreal, QC, Canada
  - Sheraton Montreal
- November 8-13, 2020 – Bangkok, Thailand
  - Bangkok Marriott Marquis Queen's Park
- March 14-19, 2021 – Denver, CO, USA
  - Hyatt Regency Denver
- July 11-16, 2021 – Madrid, Spain (to be confirmed)
- November 14-19, 2021 – Vancouver, Canada
  - Hyatt Regency Vancouver only

This plenary survey

- Would you like to return to this venue? (Do you like this venue?
  - Yes: __   No: __

- For a July Plenary, would you prefer
  - a) Conference center independent from a Hotel
    - Count: ___
  - b) Combined Hotel/conference Center (1 night min mtg hotel)
    - Count: ___

Future plenaries

- July 14-19, 2019 – Vienna, Austria
  - Austria Congress Centre
- November 10-15, 2019 – Waikoloa, HI, USA
  - Hilton Waikoloa Village
- March 15-20, 2020 – Atlanta, GA, USA
  - Hilton Atlanta
- July 12-17, 2020 – Montreal, QC, Canada
  - Sheraton Montreal
- November 8-13, 2020 – Bangkok, Thailand
  - Bangkok Marriott Marquis Queen's Park
- March 14-19, 2021 – Denver, CO, USA
  - Hyatt Regency Denver

Promotional Activities

- TSN has been promoted through various conferences and publications
- Upcoming relevant events include:
  - ISPCS, September 22-27, 2019 in Portland, Oregon, USA
    - Contact Bob Noseworthy, [Presentation](#)
  - IEEE-SA Ethernet & IP Automotive Technology Day: September 24-25, 2019 in Detroit, MI, USA
  - TSN/A Conference 2019, October 8-9, 2019 in Bad Homburg, Germany.
    - Contact Craig Gunther, [Presentation](#)

Sanity check – current workload

Project	Subject	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1AE/cor1	MAC security corrigendum	PAR approval	PAR approved - May 21		WG ballot	Dec '23
802.1CMde	Enhancements for Fronthaul Interface	TG Ballot	TG Ballot	D0.3	WG ballot	Dec '23
802.1DF	TSN Profile for Service Provider Networks	PAR approval	PAR approved - Feb 8		Editor's draft	Dec '23
802.1DG	TSN Profile for Automotive In-Vehicle Ethernet Com.	TG Ballot	Editor's draft	D0.1	TG ballot	Dec '23
60802 (DA)	TSN Profile for Industrial Automation	TG Ballot	TG Ballot	D1.0	TG ballot	Dec '22
802.1CBcv	FRER YANG & MIB	TG Ballot	Editor's draft	D0.0	TG ballot	Dec '22
802.1CBdb	FRER (CBcv) extensions	TG Ballot	TG Ballot	D0.1	TG ballot	Dec '22
802.1DC	QoS provision by network systems	TG Ballot	Editor's draft	D1.0	TG ballot	Dec '22
802.1Qcz	Congestion Isolation	TG Ballot	Editor's draft	D0.2	TG ballot	Dec '22
802.1Qdd	Resource Allocation Protocol	PAR approval	Editor's draft	D0.0	TG ballot	Dec '22
802.1X-REV	Port Access Control	WG ballot	WG ballot	D1.4	Sponsor Ballot	Dec '22
802.1ABcu	LLDP YANG	TG Ballot	TG Ballot	D0.6	WG ballot	Dec '21
802.1ACct	support for 802.15.3	PAR approval	PAR Approved		Editor's draft	Dec '21
802.1CS	LRP	WG ballot	WG ballot	D2.2	PAR modification	Dec '21
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	TG Ballot	TG Ballot	D0.4	WG ballot	Dec '21
802.1Qcx	CFM YANG	WG Ballot	WG Ballot	D1.2	Sponsor Ballot	Dec '21
802.1AX-REV	Link Aggregation	Sponsor Ballot - cond	Sponsor Ballot	D2.0	RevCom conditional	Dec '20
802.1CQ	Multicast and Local Address Assignment	PAR approval	Editor's draft	D0.2	TG ballot	Dec '20
802.1Qcr	Asynchronous Traffic Shaping	WG ballot	WG ballot	D1.1	WG Ballot recirculation	Dec '20
802.1AS-REV	Time synch enhancements	Sponsor ballot	Sponsor Ballot	D8.0	PAR Extension	Dec '19
802.1Qcj	Auto Attach to PBB	WG ballot	WG ballot	D1.0	PAR extension	Dec '19
802E	Privacy	WG ballot	WG ballot	D1.4	PAR Extension, WG Ballot	Dec '19
802.1ABdh	LLDPv2	PAR development	PAR development		PAR approval	
802.1AEdk	MAC Privacy enhancements		PAR development		PAR development	
802.1Qdj	TSN Configuration Enhancements	PAR development	PAR development		PAR approval	

802.1 plenary schedule

V4	IEEE 802 PLENARY SESSION Vienna, Austria July 15-19, 2019					
			802.1 Tracks and Times			
	SUN	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
07:00-07:30						
07:30-08:00					SP	
08:00-08:30		TSN	MTN TG	TSN & 60802	ITU	TSN & 60802
08:30-09:00					TSN 60802 NENDICA	
09:00-09:30		EC		SEC		
09:30-10:00						
10:00-10:30		Break	Break	Break	Break	Break
10:30-11:00		Opening 802.1 plenary	TSN SEC	TSN 60802 SEC	TSN 60802 802 Task Force	TSN & 60802
11:00-11:30						
11:30-12:00						
12:00-12:30						Lunch
12:30-13:00		Lunch	Lunch (TG Chairs Meeting)	Lunch	Lunch	
13:00-13:30						TSN & 60802
13:30-14:00		TSN SEC	TSN JTC1 SEC	TSN 60802 SEC	Closing 802.1 plenary	
14:00-14:30						
14:30-15:00						Closing 802 EC
15:00-15:30						
15:30-16:00		Break	Break	Break	Break	
16:00-16:30		TSN SEC	TSN SEC	TSN 60802 SEC	Closing 802.1 plenary	TSN & 60802
16:30-17:00						
17:00-17:30						
17:30-18:00						
18:00-18:30				Break	Break	
18:30-19:00	TG Chairs Mtg	YANGsters		No social event		KEY:
19:00-19:30						TSN: Time Sensitive Netw'kg
19:30-20:00	Rules	802 NENDICA	Joint 802.1 & 802.11 Tgbe			60802: IEC/IEEE 60802 JP
20:00-20:30						MTN TG: Maintenance TG
20:30-21:00						SEC: Security
21:00-21:30						
21:30-22:00						
22:00-22:30						

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802 reports

- IETF SC
  - Did not meet
- JTC1 SC
- ITU SC
  - Did not meet

802 reports

- 802 Task Force
  - Web conferencing: Proposal for 802 to provide a Webex service shared amongst the LMSC, LMSC study groups, and 802 groups having no treasury: 802.1, 802.18, 802.19, 802.21, 802.22, 802.24
    - 802.21 and 802.22 are planning to hibernate soon
  - Would this provide sufficient meeting time for 802.1?
  - Bulk Framemaker licensing will be investigated by IEEE

TG reports

- Maintenance
- Nendica
- OmniRAN
- Security
- TSN
- YANGsters

Maintenance Task Group Closing Report

July 18, 2019
Paul Congdon

Maintenance Session Summary

- Updated maintenance sessions slides show detailed progress and status:
  - http://www.ieee802.org/1/files/public/docs2019/maint-congdon-session-0719-v02.pdf

- Progressed 11 maintenance items
  - 4 complete then ballot -> balloting
  - 1 ready for ballot -> balloting
  - 2 technical experts review -> balloting
  - 2 technical experts review -> complete then ballot
  - 1 received -> technical experts review
  - 1 new received item (after session)

- Reviewed SC6 pre-ballot comment responses from Security TG
  - 802.1AE-2018
  - 802.1Xck-2018

- Discussed inconsistencies with EPD and LPD – maintenance proposal TBD

ISO/IEC JTC1 SC6 Status

- 30 standards currently PSDO approved
- 2 standards in PSDO adoption process
- 2 standards in PSDO 60-day pre-ballots
- 3 standards queued up to send to PSDO (already approved by WG to send)
- 2 standards to send for information

- Motion for documents sent for information
  - P802.1X-Rev
  - P802.1Qcx
- Motion approve liaison response to comments
  - IEEE 802.1Xck-2018
  - IEEE 802.1AE-2018

Maintenance Next Steps

- Proposing teleconferences to progress EPD & LPD issues and any new business:
  - 3rd September 2019 at 11am EST
  - 5th November 2019 at 11am EST
- Maintenance TG will meet F2F in Edinburgh

Nendica Meeting Report, July 2019

- IEEE 802 "Network Enhancements for the Next Decade" Industry Connections Activity

- Monday, 19:30-21:30, Thursday 08:00-10:00

- 32 individuals logged attendance (actual body count was higher)

- New Study Item initiated
  - "Managed LAN as a Service" (led by Wei [Wayne] Qiu)
  - New Work Item proposal will be circulated to LMSC in advance of November Plenary

- Flexible Factory IoT (FFIoT)
  - Agreed to 30-day "final" round of Call for Comments

- Data Center Networks contributions
  - 4 contributions (toward direction of possible future Work Item/s)

- Next face-to-face meeting: Edinburgh (802 wireless remotely)

- Three teleconferences scheduled

Agenda – Security

1. **Respond to ISO/IEC JTC1 FDIS pre-ballot comments on IEEE Std 802.1AE-2018 and 802.1Xck-2018**
   - Draft responses at:
     http://www.ieee802.org/1/files/public/docs2019/maint-randall-SC6CommentResp1AE-0719_v02.pdf
     http://www.ieee802.org/1/files/public/docs2019/maint-randall-SC6CommentResponse8021Xck-v00.pdf
   - ➢ **Monday 2.00 pm, for review in the Maintenance TG and ISO/IEC SC on Tuesday**

2. **P802E Privacy (Recommended Practice ... for 802..), D1.4 Working Group ballot resolution**
   - Ballot passed 92% Approve, will need Working Group recirculation ballot
   - Will need PAR extension
   - ➢ **Tuesday 10.30 am, following maintenance, possibly Wednesday**

3. P802.1X-Rev Port-Based Network Access Control D1.4, forward to Sponsor Ballot
   - Working Group ballot recirculation closed with 100% Approval. No other work at this meeting

4. IEEE 802.1AE—2018 Corrigenda
   - PAR approved, request authorization to prepare drafts for WG balloting. No other work at this meeting

5. **MACsec Privacy Protection (formerly Traffic flow privacy)**
   - Continue pre-PAR goals discussion, including YANG model for 802.1AE as base, summary of proposed work at
     http://www.ieee802.org/1/files/public/docs2019/new-seaman-mac-privacy-summary-0519-v00.txt
     will request permission to develop PAR and CSD in September interim, preliminary draft at
     http://www.ieee802.org/1/files/public/docs2019/dk-seaman-mac-privacy-protection-draft-par-0519-v00.pdf
   - ➢ **Monday pm, Tuesday pm if P802E concluded, Wednesday**

6. A.O.B.

7. Future meetings/teleconferences
   - Will meet during the September interim (though attendance is expected to be low)
   - Teleconferences for .1X-Rev sponsor ballot resolution prior to recirculation, P802.1AE Cor1 WG ballot resolution, P802E WG recirculation ballot resolution, MACsec Privacy Protection discussion

802.1 TSN TG Agenda

V3	IEEE 802 PLENARY SESSION Vienna, Austria July 15-19, 2019				
			802.1 Time-Sensitive Networking (TSN) TG		
	SUN	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY

	SUN	MONDAY	TUESDAY	WEDNESDAY	THURSDAY		FRIDAY
07:00-07:30							
07:30-08:00							
08:00-08:30		**P802.1Qcx, P802.1Qcw**	**MTN**	**Whole TSN IEC/IEEE 60802 JP**	**Trk A: 60802 JP,** P802.1Qdd	**Trk B:** P802.1DG, P802.1DF, P802.1ABdh	**Whole TSN IEC/IEEE 60802 JP**
08:30-09:00							
09:00-09:30							
09:30-10:00							
10:00-10:30		Break	Break	Break			
10:30-11:00		**Opening 802.1 plenary**	**P802.1AX-Rev**	**Trk A: 60802 JP**	**Trk B:** PARs: Qcj, ABdh, Qdj		
11:00-11:30							
11:30-12:00							
12:00-12:30							Lunch
12:30-13:00		Lunch	Lunch (Chairs meeting)	Lunch	Lunch		
13:00-13:30							
13:30-14:00		**liaisons, motions, P802.1ABcu, P802.1Qcr**	**P802.1AX-Rev, liaisons, P802.1CMde, P802.1CBdb**	**Trk A: 60802 JP**	**Trk B:** P802.1Qcr, P802.1DC, P802.1CS, P802.1CBdb, P802.1CBcv, P802.1Qcz, P802.1CQ	**Closing 802.1 plenary**	**Whole TSN IEC/IEEE 60802 JP**
14:00-14:30							
14:30-15:00							
15:00-15:30							
15:30-16:00					Break		
16:00-16:30					**Closing 802.1 plenary**		
16:30-17:00							
17:00-17:30							
17:30-18:00							
18:00-18:30	Chairs Mtg	**YANGsters**	**Dinner Break**	**No social event**			KEY: TSN: Time-Sensitive Ntwking IEC/IEEE 60802 MTN: Maintenance TG
18:30-19:00							
19:00-19:30							
19:30-20:00		**802 NEND ICA**	**802.11be - 802.1 TSN**				
20:00-20:30							
20:30-21:00							
21:00-21:30							
21:30-22:00							
22:00-22:30							

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- Note that the TSN TG agenda is subject to change, e.g., depending on progress etc.
- TSN TG agenda details are available at: http://www.ieee802.org/1/tsn-task-group-agenda

YANGsters meeting

- YANG across IEEE 802
  - Communication, Coordination, Mentoring
  - Point of Contact/Center of Expertise for IEEE 802

- July Agenda: meeting #23
  - Monday 18:00 - 19:30 – Room 0.94/0.95
  - IPR Call
  - IEEE YANG Work
  - YANG Catalog GithubUpdate
  - Git Commands
  - YANG Catalog Meta-Data Update
  - EthertypeDiscussion
  - Administrative
  - AoB

Liaisons

Incoming Liaisons

- TSN
    - LNI4.0 – Liaison establishment with IEC SC 65C/WG9
    - IEEE 1722 – Reply to 802.1 liaison on address assignment protocol
    - MEF – Amendment to MEF 22.3 – Transport for 5G Mobile Networks
    - 3GPP SA2 – 5G System support for integration with IEEE TSN networks
    - ITU-T Q13/15 – Sync requirements and G.8271.1
- YANGSTERS
    - ITU-T Q14/15 – Coordination on information and data modelling with comments on 802.1Q (also of interest to TSN)

Outgoing liaison discussion

- TSN
  - IEEE 1722 – Reply to 802.1 liaison on address assignment protocol
  - 3GPP SA2 – 5G System support for integration with IEEE TSN networks
  - ITU-T Q13/15 – Sync requirements and G.8271.1
    - A
    - B
  - ORAN
  - MEF – CFM YANG
  - Avnu Alliance
  - AUTOSAR
  - JASPAR

- YANGSTERS
  - ITU-T Q14/15 – Coordination on information and data modelling with comments on 802.1Q (also of interest to TSN)

EC consent agenda motions

802.1 consent agenda items for LMSC Closing Plenary

July 2019, Vienna

V3 (internal version #)

John Messenger

Agenda

- **PARs to NesCom**
  - P802E PAR Extension to NesCom
  - P802.1Qcj PAR Extension to NesCom
  - P802.1ABdh PAR to NesCom
  - P802.1Qdj PAR to NesCom

- **Drafts to SA Ballot**
  - P802.1X-Rev/D1.4 to SA ballot
  - ~~P802.1Qcx to/D2.0 SA ballot (conditional)~~

- **Drafts to RevCom**
  - ~~P802.1AS-Rev to RevCom (conditional)~~

Agenda (contd…)

- ## External communications (ME)
  - 7.??? Communication from 802.1 to ITU-T SG15 and CPRI Cooperation on Fronthaul Sync Requirements
  - 7.??? Communication from 802.1 to ITU-T SG15 on 802.1CMde draft sharing
  - 7.??? Communication from 802.1 to ITU-T SG15 on Management Coordination (ref LS188)

- ## Information Items (II)
  - ?.??? Communication from 802.1 to 3GPP RAN2 on Ethernet header compression
  - ?.??? Communication from 802.1 to 3GPP SA2 on 5G Integration with TSN

802.1 Motions
2019-07

Consent Agenda

NesCom & ICCom

Motion

- Approve forwarding P802E PAR extension in http://www.ieee802.org/1/files/public/docs2019/802e-par-extension-request-0719-v2.pdf to NesCom

- Approve (unmodified) CSD documentation in https://mentor.ieee.org/privecsg/dcn/15/privecsg-15-0029-01-0000-privacy-ec-sg-csd-proposal.docx

- In the WG, Proposed: János Farkas, Second: Craig Gunther
  - PAR (y/n/a): 26, 0, 0
  - CSD (y/n/a): 24, 0, 0

- In EC, mover: Jessy Rouyer   Second: David Law
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve forwarding P802.1Qcj PAR extension in http://www.ieee802.org/1/files/public/docs2019/cj-PAR-extension-0719-v01.pdf to NesCom

- Approve (unmodified) CSD documentation in http://www.ieee802.org/1/files/public/docs2019/cj-CSD-0719-v01.pdf

- In the WG, Proposed: János Farkas, Second: Craig Gunther
  - PAR (y/n/a): 27 , 0, 0
  - CSD (y/n/a): 26, 0, 0

- In EC, mover: Jessy Rouyer   Second: David Law
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve forwarding P802.1ABdh PAR documentation in http://www.ieee802.org/1/files/public/docs2019/dh-PAR-0719-v01.pdf to NesCom

- Approve CSD documentation in http://www.ieee802.org/1/files/public/docs2019/dh-CSD-0719-v01.pdf

- In the WG, Proposed: Paul Congdon, Second: János Farkas
  - PAR (y/n/a): 26, 0, 0
  - CSD (y/n/a): 28, 0, 0

- In EC, mover: Jessy Rouyer   Second: David Law
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve forwarding P802.1Qdj PAR documentation in http://www.ieee802.org/1/files/public/docs2019/dj-PAR-0719-v01.pdf to NesCom

- Approve CSD documentation in http://www.ieee802.org/1/files/public/docs2019/dj-CSD-0719-v01.pdf

- In the WG, Proposed: Stephan Kehrer, Second: János Farkas
  - PAR (y/n/a): 29, 0, 0
  - CSD (y/n/a): 29, 0, 0

- In EC, mover: Jessy Rouyer   Second: David Law
  - (y/n/a): <y>,<n>,<a>

802.1 Motions
2019-07

Consent Agenda

drafts to SA ballot

Motion

- Approve sending P802.1X-Rev-D1.4 to Standards Association Ballot

  [Maintenance PAR, no CSD]

  – P802.1X-Rev Port-Based Network Access Control
  – Working Group Recirculation Ballot closed 6/29/2019.
    100% Approval. 85% Response
    Approve: 19   Disapprove: 0   Abstain: 27   Voters: 54
  – Comment resolution http://www.ieee802.org/1/files/private/x-rev-drafts/d1/802-1X-rev-d1-4-dis.pdf

- In the WG, Proposed: Congdon Second: Fedyk
  - Sending draft (y/n/a): 28 , 0, 0

- In the EC, mover: Jessy Rouyer Second: David Law
  - (y/n/a): <y> , <n>   , <a>

Supporting information P802.1X-Rev

- WG ballot recirc closed: 29 June 2018

- The ballot resulted in
  - 0 Disapprove votes
  - 0 Must Be Satisfied comments

- Ballot response details available here

  http://www.ieee802.org/1/files/private/x-rev-drafts/d1/802-1X-rev-d1-4-dis.pdf

Ballot results		
Category	Total	Percentage
Yes	19	100
No	0	0
Abstain	27	
No. of Voters	54	
Voters responding	46	85

~~Motion~~ Withdrawn

- Conditionally approve sending P802.1Qcx D2.0 to Standards Association ballot

- Confirm the CSD for P802.1Qcx in https://mentor.ieee.org/802-ec/dcn/17/ec-17-0159-00-ACSD-802-1qcx.pdf

- P802.1Qcx D1.2 had 100% approval at the end of the last WG ballot

- In the WG, Proposed: János Farkas   Second: Craig Gunther
  - Sending draft (y/n/a): <y>,<n>,<a>
  - CSD (y/n/a): <y>,<n>,<a>

- In EC, mover: Jessy Rouyer   Second: David Law
  - (y/n/a): <y>,<n>,<a>

Supporting information P802.1Qcx

- WG ballot closed: 21 June 2019
- All WG ballot requirements are met
- The ballot resulted in
  - 0 outstanding Disapprove votes
  - 0 outstanding Must Be satisfied comments
- Comment resolution available here: http://www.ieee802.org/1/files/private/cx-drafts/d1/802-1Qcx-d1-2-dis-v01.pdf
- Recirculation ballot will be conducted during July/August with comment resolution on the TSN TG calls, and during the September Interim if required. A possible final recirculation in September/October if required with comment resolution on the TSN TG calls.

Ballot results:

CATEGORY	All respondents	
	TOTAL	%
Yes	23	100.0%
No	0	0%
Voting Yes or No	23	
Abs. Time	6	
Abs. Expertise	17	
Abs. Other	4	
Voting Members	55	
Respondents (Voting)	50	90.9%
Respondents (non-Voting)	4	
Liaisons responding		
No. of commenters	3	
No. of comments	17	
T	5	29.4%
TR	6	35.3%
E/ER	6	35.3%

802.1 Motions
2019-07

Consent Agenda

Drafts to RevCom

~~Motion~~ WITHDRAWN

- Conditionally approve sending P802.1AS-Rev to RevCom
- Approve CSD documentation in https://mentor.ieee.org/802-ec/dcn/18/ec-18-0243-00-ACSD-p802-1as.pdf

- P802.1AS-Rev D8.0 had 94% approval at the end of the initial sponsor ballot

- In the WG, Proposed: Craig Gunther, Second: János Farkas
  - Sending draft (y/n/a): <y>,<n>,<a>
  - CSD (y/n/a): <y>,<n>,<a>

- In EC, mover: Jessy Rouyer   Second: David Law
  - (y/n/a): <y>,<n>,<a>

Supporting information P802.1AS-Rev

- Sponsor ballot closed: 26 February 2019
- Ballot result after ballot comment resolution:
  - 6 outstanding Disapprove votes
  - 13 outstanding Must Be Satisfied (MBS) comments
- Disposition is available here: http://www.ieee802.org/1/files/private/as-rev-drafts/d8/802-1AS-Rev-d8-0-dis-v03.pdf
- Recirculation ballot will be conducted during August with comment resolution on the TSN TG calls, and during the September Interim. Another recirculation ballot in September/October with comment resolution on the TSN TG calls. A possible final recirculation in October if required with comment resolution on the TSN TG calls.

Ballot results:

Ballot Open Date:	24-Jan-2019
Ballot Close Date:	26-Feb-2019
Type:	Revision
Draft #:	8.0
Comments:	423
Must Be Satisfied Comments:	69

RESPONSE RATE
This ballot has met the 75% returned ballot requirement.

162 eligible people in this ballot group.

 110 affirmative votes
  6 total negative votes with comments
  6 negative votes with new comments
  0 negative votes without comments
  7 abstention votes: (Lack of expertise: 2, Lack of time: 5)
 ─────
 123 votes received = 75% returned
              5% abstention

APPROVAL RATE
The 75% affirmation requirement is being met.
 110 affirmative votes
  6 negative votes with comments
 ─────
 116 votes = 94% affirmative

Supporting information P802.1AS-Rev

- Voters with outstanding Disapprove votes without outstanding MBS comments:
  - Christian Boiger
  - Glenn Parsons
  - Stephan Kehrer
  - Paul Nikolich
- These voters have indicated that they are satisfied with the disposition of their comments, but they would like to see the next draft.

Supporting information P802.1AS-Rev

- Voters with outstanding Disapprove votes with outstanding MBS comments:
  - Karl Weber
  - Ashley Butterworth

- The outstanding Must Be Satisfied comments of these voters are shown on the following slides.

Supporting information P802.1AS-Rev

IEEE P802.1AS-Rev/D8.0 P802.1AS-Rev/D8.0 Timing and Synchronization for Time-Sensitive Applications Initial Sponsor ballot cor   IEEE P802.1AS-Rev/D8.0

CI 7   SC 7.2.3   P 42   L 52   # i-27
Butterworth, Ashley   Apple, Inc.

Comment Type   TR   Comment Status A   motion
A PTP instance implements a single domain, (as per 7.2.1) so the phrase "if the PTP Instance in domain 1 does not also have domain 0 active" does not make sense. It should be a time-aware system.

SuggestedRemedy
Replace with "if the time-aware system does not also have a PTP Instance in domain 0"

Response   Response Status W
ACCEPT IN PRINCIPLE. The parenthetic expression currently reads:

"In addition, it is required that all PTP Instances belonging to the same domain have direct connections among them in their physical topology (e.g., time cannot be transported from one PTP Instance in domain 0 to another PTP Instance in domain 0 via a PTP Instance in domain 1 if the PTP Instance in domain 1 does not also have domain 0 active) ."

It will be reworded as (note that the extraneous space before the period at the end of the sentence is deleted):

"In addition, it is required that all PTP Instances belonging to the same domain have direct connections among them in their physical topology (e.g., time cannot be transported from one PTP Instance in domain 0 to another PTP Instance in domain 0 via a time-aware system that does not have domain 0 active)."

CI 8   SC 8.2.1   P 54   L 1   # i-28
Butterworth, Ashley   Apple, Inc.

Comment Type   TR   Comment Status A   motion
While the difference in the flags won't affect the propagation of sync information through the domain it will affect the use of the flag to indicate the correct traceability of the time and hence applications using it may have their operation affected. E.g. something that verifies that the elected GM is traceable and PTP timescale (i.e. it is TAI time convertible) may incorrectly try to perform conversions on a domain using ARB timescale

SuggestedRemedy
Replace the last sentence with "However, while this does not affect the synchronisation of time through the domain as this flag is information it can affect applications utilising these flags."

Response   Response Status W
ACCEPT IN PRINCIPLE. The NOTE dates back to a previous draft where ARB was allowed on domain 0. In this draft, domain 0 shall use PTP, just as in 802.1AS-2011. The NOTE is no longer valid and will be deleted.

CI 3   SC 3.16   P 24   L 10   # i-394
Weber, Karl   Beckhoff Automation

Comment Type   TR   Comment Status A   motion
A PTP End Instance can be both source and destination of synchronized time using the IEEE 802.1AS protocol. This definition does not include on how many ports it is the source nor on how many ports it is the destination. Thus, this definition has no clear differentiation to the PTP Relay Instance Definition.

SuggestedRemedy
Change to "A PTP Instance that is capable of acting either as the source of synchronized time on the network, or destination of synchronized time using the IEEE 802.1AS protocol. If it is able to act as source it shall be able to switch to the destination role."

Response   Response Status W
ACCEPT IN PRINCIPLE. The definition of PTP end instance will be changed to:

"PTP End Instance: A PTP Instance that has exactly one port."

CI 3   SC 3.16   P 24   L 10   # i-399
Weber, Karl   Beckhoff Automation

Comment Type   TR   Comment Status R   motion
The definition does not relate to a domain.

SuggestedRemedy
Add: "Each PTP End Instance operates in exactly one domain."

Response   Response Status W
REJECT. Actually, the definition does relate to a domain. The definition refers to the definition of "PTP Instance", which does contain text indicating it relates to one domain.

CI 3   SC 3.19   P 24   L 23   # i-400
Weber, Karl   Beckhoff Automation

Comment Type   TR   Comment Status R   motion
The definition does not relate to a domain.

SuggestedRemedy
Add: "Each PTP Relay Instance operates in exactly one domain."

Response   Response Status W
REJECT. Actually, the definition does relate to a domain. The definition refers to the definition of "PTP Instance", which does contain text indicating it relates to one domain.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID i-400

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Supporting information P802.1AS-Rev

IEEE P802.1AS-Rev/D8.0 P802.1AS-Rev/D8.0 Timing and Synchronization for Time-Sensitive Applications Initial Sponsor ballot con   IEEE P802.1AS-Rev/D8.0

CI 7	SC 7.3.3	P 48	L 8	# i-404

Weber, Karl   Beckhoff Automation

Comment Type	TR	Comment Status	R		motion

This is a very simplified picture as it contains only one loop

SuggestedRemedy

Add the use case with many rings conected to a backbone ring allowin multiple failures in different subrings combined with a single error in the main ring

Response		Response Status	W

REJECT. These are intended to be only examples, not specifications.

CI 7	SC 7.3.3	P 48	L 8	# i-405

Weber, Karl   Beckhoff Automation

Comment Type	TR	Comment Status	R		motion

IEC 62439-3 can work with a single sync to the end stations in Fig 6 (or 2). It is questionable why such a simple system needs 100 / 300% more resources in end stations

SuggestedRemedy

It would be preferable to have less frames and more redundant loops in this context - add an example

Response		Response Status	W

REJECT. These are intended to be only examples, not specifications.

CI 10	SC 10.3.17.1.4	P 132	L 1	# i-409

Butterworth, Ashley   Apple, Inc.

Comment Type	TR	Comment Status	A		motion

Wouldn't this be better to be logSupportedAnnounceIntervalMin (to match logSupportedAnnounceIntervalMax), and actually both would probably be better as Fastest and Slowest but I digress. This would the remove the need to have isSupportedLogAnnounceInterval and simplify computeLogAnnounceInterval

SuggestedRemedy

Assuming logSupportedAnnounceIntervalMax means the fastest (i.e. smallest value) and logSupportedAnnounceIntervalMin means the slowest (i.e. highest value) (which is why fastest and slowest would make more sense, or you can swap min and max) then computeLogAnnounceInterval becomes

Note the extra -128 and 126 limits are needed if the switch statement still uses the output of this function but can be removed if the switch is done based on the value in the TLV. (the 126 can be replaced with 127 unless a special case is put in for that)

```
Integer8 computeLogAnnounceInterval (logRequestedAnnounceInterval)
Integer8 logRequestedAnnounceInterval;
{
 if(logRequestedAnnounceInterval < logSupportedAnnounceIntervalMax &&
logRequestedGptpCapableMessageInterval > -128)
  //Return the fastest rate supported even if it is slower than the requested rate
  return logSupportedAnnounceIntervalMax;
 else
 {
  if(logRequestedAnnounceInterval > logSupportedAnnounceIntervalMin &&
logRequestedGptpCapableMessageInterval < 126)
   //Return the slowest rate supported even if it is faster than the requested rate
   return logSupportedAnnounceIntervalMin;
  else
   //Return the requested rate
   return logRequestedAnnounceInterval;
 }
}
```

Note the original also has a typo in the parameter to the function.

Response		Response Status	W

ACCEPT IN PRINCIPLE. On p.132, line 23, change:

Integer8 computeLogAnnounceInterval (logRequestedAnounceInterval)

to

Integer8 computeLogAnnounceInterval (logRequestedAnnounceInterval)

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID i-409   Page 2 of 4
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Supporting information P802.1AS-Rev

The commenter did not point out any other bugs in this pseudocode. The suggested changes run a significant risk of introducing errors in text that has been reviewed by the committee.

Cl 10	SC 10.3.18.4	P 134	L 17	# i-410

Butterworth, Ashley   Apple, Inc.

Comment Type   TR   Comment Status   R   motion

Wouldn't this be better to be logSupportedSyncIntervalMin (to match logSupportedSyncIntervalMax), and actually both would probably be better as Fastest and Slowest but I digress. This would the remove the need to have isSupportedLogSyncInterval and simplify computeLogSyncInterval

SuggestedRemedy

Assuming logSupportedSyncIntervalMax means the fastest (i.e. smallest value) and logSupportedSyncIntervalMin means the slowest (i.e. highest value) (which is why fastest and slowest would make more sense, or you can swap min and max) then computeLogSyncInterval becomes

The additional check for the value of 127 can be removed if a special case for 127 is added to the switch in the state machine.

```
Integer8 computeLogSyncInterval (logRequestedSyncInterval)
Integer8 logRequestedSyncInterval;
{
 if(logRequestedSyncInterval < logSupportedSyncIntervalMax)
  //Return the fastest rate supported even if it is slower than the requested rate
  return logSupportedSyncIntervalMax;
 else
 {
  if(logRequestedSyncInterval > logSupportedSyncIntervalMin && logRequestedSyncInterval < 127)
  //Return the slowest rate supported even if it is faster than the requested rate
  return logSupportedSyncIntervalMin;
  else
  //Return the requested rate
  return logRequestedSyncInterval;
 }
}
```

Response   Response Status   W

REJECT. The commenter did not point out any errors in the draft. The suggested changes run a significant risk of introducing errors in text that has been reviewed by the committee.

Cl 10	SC 10.4.3.1.4	P 138	L 43	# i-411

Butterworth, Ashley   Apple, Inc.

Comment Type   TR   Comment Status   R   motion

Wouldn't this be better to be logSupportedGptpCapableMessageIntervalMin (to match logSupportedGptpCapableMessageIntervalMax), and actually both would probably be better as Fastest and Slowest but I digress. This would the remove the need to have isSupportedLogGptpCapableMessageInterval and simplify computeLogGptpCapableMessageInterval

SuggestedRemedy

Assuming logSupportedGptpCapableMessageIntervalMax means the fastest (i.e. smallest value) and logSupportedGptpCapableMessageIntervalMin means the slowest (i.e. highest value) (which is why fastest and slowest would make more sense, or you can swap min and max) then computeLogGptpCapableMessageInterval becomes

Note the extra -128 and 126 limits are needed if the switch statement still uses the output of this function but can be removed if the switch is done based on the value in the TLV. (the 126 can be replaced with 127 unless a special case is put in for that)

```
Integer8 computeLogGptpCapableMessageInterval
(logRequestedGptpCapableMessageInterval)
Integer8 logRequestedGptpCapableMessageInterval;
{
 if(logRequestedGptpCapableMessageInterval <
logSupportedGptpCapableMessageIntervalMax &&
logRequestedGptpCapableMessageInterval > -128)
  //Return the fastest rate supported even if it is slower than the requested rate
  return logSupportedGptpCapableMessageIntervalMax;
 else
 {
  if(logRequestedGptpCapableMessageInterval >
logSupportedGptpCapableMessageIntervalMin &&
logRequestedGptpCapableMessageInterval < 126)
   //Return the slowest rate supported even if it is faster than the requested rate
   return logSupportedGptpCapableMessageIntervalMin;
  else
   //Return the requested rate
   return logRequestedGptpCapableMessageInterval;
 }
}
```

Response   Response Status   W

REJECT. The commenter did not point out any errors in the draft. The suggested changes run a significant risk of introducing errors in text that has been reviewed by the committee.

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
SORT ORDER: Comment ID

Comment ID i-411   Page 3 of 4
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Supporting information P802.1AS-Rev

IEEE P802.1AS-Rev/D8.0 P802.1AS-Rev/D8.0 Timing and Synchronization for Time-Sensitive Applications Initial Sponsor ballot con IEEE P802.1AS-Rev/D8.0

CI 10	SC 10.3.17.3	P 133	L 38	# i-412
Butterworth, Ashley		Apple, Inc.		

Comment Type TR **Comment Status** A *motion*

Through the use of the computeLogAnnounceInterval function the value of 127 will now not be used (it will be limited to the range specified between logSupportedAnnounceIntervalMax and logSupportedClosestLongerAnnounceInterval unless the intention is that isSupportedLogAnnounceInterval returns TRUE for the special values of -128, 126 and 127.

SuggestedRemedy

Use the value of rcvdSignalingPtrAIS->LogAnnounceInterval for the switch statement

This would match the SyncIntervalSetting state machine.

Response **Response Status** W

ACCEPT IN PRINCIPLE. The indicated change will be made to the switch statement on line 32.

CI 10	SC 10.4.3.3	P 141	L 39	# i-413
Butterworth, Ashley		Apple, Inc.		

Comment Type TR **Comment Status** A *motion*

Through the use of the computeLogGptpCapableMessageInterval function the value of 127 will now not be used (it will be limited to the range specified between logSupportedGptpCapableMessageIntervalMax and logSupportedClosestLongerGptpCapableMessageInterval unless the intention is that isSupportedLogGptpCapableMessageInterval returns TRUE for the special values of -128, 126 and 127.

SuggestedRemedy

Use the value of rcvdSignalingPtrGIS->logGptpCapableMessageInterval for the switch statement

This would match the SyncIntervalSetting state machine.

Response **Response Status** W

ACCEPT IN PRINCIPLE.

The indicated change will be made to the switch statement on line 32.

CI D	SC D	P 423	L 1	# i-415
Butterworth, Ashley		Apple, Inc.		

Comment Type ER **Comment Status** R *motion*

Annex D and E should be removed and the subsequent annexes renumbered

SuggestedRemedy

Remove unused annexes and renumber subsequent annexes

Response **Response Status** W

REJECT. Annexes D and E were kept so that subsequent Annexes would have the same letters as in the 2011 edition. In addition, it was desired to make it clear to readers that the Annex E material is still in the standard; it has just been moved to Clause 16 (readers familiar with the 2011 edition might not immediately realize this).

TYPE: TR/technical required ER/editorial required GR/general required T/technical E/editorial G/general
COMMENT STATUS: D/dispatched A/accepted R/rejected   RESPONSE STATUS: O/open W/written C/closed U/unsatisfied Z/withdrawn
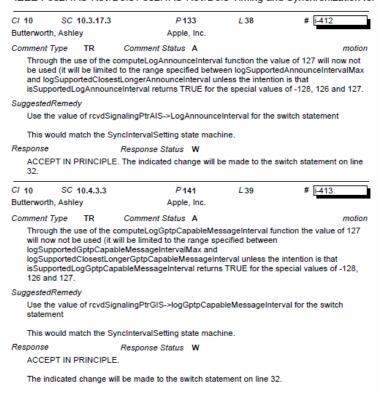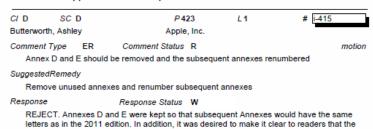SORT ORDER: Comment ID

Comment ID i-415

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802.1 Motions
2019-07

Consent Agenda

Liaisons and external communications

Motion

- Approve http://www.ieee802.org/1/files/public/docs2019/liaison-response-SG15-LS187-clarifications-on-fronthaul-sync-requirements-0719-v01.pdf as communication to ITU-T SG15 and CPRI Cooperation, granting the IEEE 802.1 WG chair (or his delegate) editorial license.
    - This approval is under LMSC OM "Procedure for public statements to government bodies"

- In the WG (y/n/a): 29, 0, 1
    - Proposed: János Farkas   Second: Jessy Rouyer

- In EC, mover: Jessy Rouyer   Second: David Law
    - (y/n/a): <y>,<n>,<a>

Motion

- Approve
  http://www.ieee802.org/1/files/public/docs2019/liaison-response-SG15-LS187-CMde-draft-sharing-0719-v01.pdf
  as communication to ITU-T SG15, granting the IEEE 802.1 WG chair (or his delegate) editorial license.
  - This approval is under LMSC OM "Procedure for public statements to government bodies"

- In the WG (y/n/a): 30, 0, 0
  - Proposed: János Farkas   Second: Jessy Rouyer

- In EC, mover: Jessy Rouyer   Second: David Law
  - (y/n/a): \<y>,\<n>,\<a>

Motion

- Approve http://www.ieee802.org/1/files/public/docs2019/liaison-response-SG15-LS188-management-coordination-0719-v01.pdf as communication to ITU-T SG15 granting the IEEE 802.1 WG chair (or his delegate) editorial license.
  - This approval is under LMSC OM "Procedure for public statements to government bodies"

- In the WG (y/n/a): 30, 0, 0
  - Proposed: János Farkas   Second: Jessy Rouyer

- In EC, mover: Jessy Rouyer   Second: David Law
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve http://www.ieee802.org/1/files/public/docs2019/liaison-response-3GPP-RAN2-Ethernet-header-compression-0719-v01.pdf as communication to 3GPP RAN WG2, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- In the WG (y/n/a): 29, 0, 1
  - Proposed: János Farkas   Second: Jessy Rouyer

- In EC, for information

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802

Motion

- Approve http://www.ieee802.org/1/files/public/docs2019/liaison-response-3GPP-SA2-5G-integration-with-TSN-0719-v01.pdf as communication to 3GPP SA WG2, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- In the WG (y/n/a): 30, 0, 0
  - Proposed: János Farkas   Second: Jessy Rouyer

- In EC, for information

802.1 Motions for LMSC agenda, including supporting material

Closing IEEE 802 LMSC
July 2019, Vienna

Agenda

- ## PARs to NesCom

  - ?.??? P802.1AS-Rev PAR Extension to RevCom

- ## External communications (ME)

  - 7.??? PSDO comment responses to JTC1/SC6

    - 802.1AE-2018
    - 802.1Xck-2018

  - 7.??? Drafts to JTC1/SC6 for information under PSDO

    - 802.1X-Rev
    - 802.1Qcx

  - 7.??? Standards to JTC1/SC6 for adoption under PSDO

    - IEEE Std 802.1AS-2019

Motion

- Approve forwarding P802.1AS-Rev PAR extension in http://www.ieee802.org/1/files/public/docs2019/as-PAR-extension-0719-v01.pdf to NesCom

- Approve (unmodified) CSD documentation in https://mentor.ieee.org/802-ec/dcn/18/ec-18-0243-00-ACSD-p802-1as.pdf

[This PAR was submitted under the 48-hour rule (OM 9.2)]

- In the WG, Proposed: János Farkas, Second: Craig Gunther
  - PAR (y/n/a): 35, 0, 0
  - CSD (y/n/a): 35, 0, 0

- In EC, mover: Jessy Rouyer   Second: David Law
  - (y/n/a): <y>,<n>,<a>

External Communications (ME)

Motion

- Approve liaison of the following comment responses to ISO/IEC JTC1/SC6 under the PSDO agreement:
  - IEEE 802.1AE-2018
    - http://ieee802.org/1/files/public/docs2019/maint-randall-SC6CommentResp1AE-0719-v03.pdf
  - IEEE 802.1Xck-2018
    - http://ieee802.org/1/files/public/docs2019/maint-randall-SC6CommentResponse1Xck-0719-v01.pdf
- In the WG, Proposed: Paul Congdon   Second: Mick Seaman
  - (y/n/a): 34, 0, 1

- In EC, mover: Jessy Rouyer   Second: David Law
  - (y/n/a): <y>,<n>,<a>

Motion

- Approve submission of the following draft(s) to ISO/IEC JTC1/SC6 for information under the PSDO agreement
  - P802.1X-Rev
  - P802.1Qcx

  conditional on the draft entering SA ballot.

- In the WG, Proposed: Paul Congdon   Second: Mick Seaman
  - Sending draft (y/n/a): 35, 0, 0

- In EC, mover: Jessy Rouyer   Second: David Law
  - (y/n/a): <y>,<n>,<a>

~~Motion~~ WITHDRAWN

- Approve submission of the following draft(s) to ISO/IEC JTC1/SC6 for adoption under the PSDO agreement, once approved and published.
  - IEEE 802.1AS-2019

- In the WG, Proposed: Paul Congdon   Second: János Farkas
  - (y/n/a): <y>,<n>,<a>

- In EC, mover: Jessy Rouyer   Second: David Law
  - (y/n/a): <y>,<n>,<a>

802.1 Internal motions

July 2019, Vienna

MOTION

- 802.1 approves the March 2019 (Plenary), and May 2019 (Interim) minutes:
  - http://www.ieee802.org/1/files/public/minutes/2019-03-minutes-v1.pdf
  - http://www.ieee802.org/1/files/public/minutes/2019-05-minutes-v2.pdf

- Proposed: Jessy Rouyer Seconded: János Farkas

- Approved by Acclamation

Motion

- 802.1 authorizes Nendica to hold teleconferences on 2019-08-21 (09:00 ET), 2019-08-28 (09:00 ET), and 2019-09-04 (09:00 ET), with additional teleconferences to be announced at least 10 days in advance.
  - Access information is posted on the https://1.ieee802.org/802-nendica page.
  - Agenda will be provided at least five days before the call to the Nendica reflector.

- Proposed: Zein Second: Marks
- Approved by acclamation

Maintenance TG motions

Motion

- 802.1 authorizes the Maintenance TG to hold teleconferences on 3rd September 2019 and 5th November 2019 at 11am EST if necessary. Access information will be posted to the 802.1 reflector in advance. Agenda will be posted at least 5 days in advance.

- Proposed: Paul Congdon
- Second: Jessy Rouyer

- Approved by acclamation

Security TG motions

Motion

- Authorize the editor of P802.1AE-Cor1, Mick Seaman, to prepare drafts for Working Group balloting.

- Proposed: Seaman   Second: Fedyk

- For: 33   Against: 0   Abstain: 0

Motion

- Authorize the September 2019 Interim to generate a PAR and CSD for an amendment to IEEE Std 802.1AE specifying MACsec Privacy Protection and authorize pre-circulation to LMSC for approval in November.

- Proposed: Seaman   Second: Fedyk

- For: 32   Against: 0   Abstain: 0

[A summary of the proposed work is available at

http://www.ieee802.org/1/files/public/docs2019/new-seaman-mac-privacy-summary-0519-v00.txt

A provisional draft PAR was developed during the May interim and should serve as a starting point for our September discussion

 http://www.ieee802.org/1/files/public/docs2019/dk-seaman-mac-privacy-protection-draft-par-0519-v00.pdf]

Motion

- Authorize the Security Task Group to hold teleconferences to progress P802E, P802.1X-Rev, P802.1AE-Cor1, MACsec Privacy Protection and task group matters arising:
  - Dates/times to be announced subject to notice of at least 10 days to the 802.1 email exploder

- Proposed: Seaman Second: Fedyk
- Approved by acclamation

TSN TG motions

Motion

- 802.1 authorizes the September 2019 Interim to generate PAR and CSD for precirculation to LMSC for a standard specifying an IEEE YANG data model for EtherTypes.

- Proposed: Stephan Kehrer

- Second: Jessy Rouyer

- In the WG (y/n/a): 35 / 0 / 1

Motion

- Authorize the editor of P802.1CMde, Janos Farkas, to prepare drafts for and conduct Working Group balloting.

- Proposed: Stephan Kehrer

- Second: Jessy Rouyer

- In the WG (y/n/a): 33 / 0 / 1

Motion

- Authorize the editor of P802.1ABcu, Scott Mansfield, to prepare drafts for Working Group balloting.

- Proposed: Janos Farkas

- Second: Gunter Steindl

- In the WG (y/n/a): 34 / 0 / 0

Motion

- Authorize the editor of P802.1Qcw, Marina Gutierrez, to prepare drafts for Working Group balloting.

- Proposed: Janos Farkas

- Second: Ludwig Winkel

- In the WG (y/n/a): 36 / 0 / 0

Motion

- Authorize the September 2019 interim meeting to generate a PAR and/or CSD modification for precirculation to the LMSC, for P802.1CS (Link-Local Registration Protocol) to add provision for a proxy system to operate LRP on behalf of a controlled system.

- Proposed: Norm Finn
- Second: Feng Chen
- In the WG (y/n/a): 32 / 0 / 1

Motions – Any others?

Motion

- 802.1 authorizes Roger Marks, the Editor of P802.1CQ Multicast and Local Address Assignment to prepare drafts for and conduct Task Group balloting.

- Proposed: János Farkas
- Second: Max Riegel

- In the WG (y/n/a): 36, 0, 1

Motion

- 802.1 authorizes the TSN Task Group to hold pre-meeting on the Monday morning of the November 2019 Plenary session.

- Proposed: János Farkas
- Second: Craig Gunther

- In the WG (y/n/a): 35, 0, 1

Motion

- 802.1 authorizes the TSN Task Group to hold an Interim meeting on November 15, 2019 (i.e., the Friday after the IEEE 802.1 Closing Plenary) together with IEC 65C/WG9 to progress the IEC/IEEE 60802 Joint Project and P802.1DG work.

- Proposed: János Farkas
- Second: Ludwig Winkel

- In the WG (y/n/a): 33, 2, 2

Motion

- 802.1 authorizes the TSN Task Group to hold an Interim meeting on September 23, 2019, to progress the IEEE P802.1DG Project. The meeting is hosted by General Motors.
  - no registration fee
  - location: Location: Detroit, MI, USA (see http://www.ieee802.org/1/meetings/ for details)
- Proposed: Craig Gunther
- Second: János Farkas

- In the WG (y/n/a): 36, 0, 0

Motion

- 802.1 authorizes the TSN Task Group to hold teleconferences weekly on Mondays from 11AM (US-Eastern) to 1PM (US-Eastern).
- Access information is posted on the http://www.ieee802.org/1/tsn page and will be updated as necessary.
- Agenda will be announced on the 802.1 email reflector at least 5 days before the call.

- Proposed: János Farkas
- Second: Craig Gunther

- Approved by acclamation

Motion

- 802.1 authorizes the TSN Task Group to hold bi-weekly teleconferences together with IEC 65C/WG9 to progress the IEC/IEEE 60802 Joint Project on Mondays from 9AM (US-Eastern) to 11AM (US-Eastern); starting with August 5th, 2019.
- Access information is posted on the http://www.ieee802.org/1/tsn page and will be updated as necessary.
- Agenda will be announced on the 802.1 email reflector at least 5 days before the call.

- Proposed: János Farkas
- Second: Ludwig Winkel
- Approved by acclamation

Motion

- 802.1 authorizes the TSN Task Group to hold bi-weekly teleconferences to progress the P802.1DG project on Tuesdays from 9AM (US-Eastern) to 10AM (US-Eastern) starting with August 6th, 2019.
- Access information is posted on the http://www.ieee802.org/1/tsn page and will be updated as necessary.
- Agenda will be announced on the 802.1 email reflector at least 5 days before the call.

- Proposed: Craig Gunther
- Second: János Farkas
- Approved by acclamation

Motion

- 802.1 authorizes monthly teleconferences for the YANGsters group convening on the last Tuesday of every month from 10AM (US-Eastern) to 11AM (US-Eastern), starting with July 30, 2019.

- Access information is posted on the https://1.ieee802.org/yangsters/yangsters-call-information/ page and will be updated as necessary.
- Agenda will be announced at least 5 days before the call.

- Proposed: Ludwig Winkel
- Second: Stephan Kehrer

- Approved by acclamation

Closing Plenary
WG internal business

TSN Liaisons and Communication

Motion

- Approve
  http://www.ieee802.org/1/files/public/docs2019/liaison-response-IEEE-1722-MAC-allocation-0719-v01.pdf as communication to IEEE 1722, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- Proposed: Roger Marks
- Second: Max Riegel

- In the WG (y/n/a): 35, 0, 0

Motion

- Approve http://www.ieee802.org/1/files/public/docs2019/liaison-ORAN-CM-update-0719-v01.pdf as communication to O-RAN Alliance Open Fronthaul Interface Workgroup, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- Proposed: János Farkas
- Second: Jessy Rouyer

- In the WG (y/n/a): 30, 0, 0

Motion

- Approve
  http://www.ieee802.org/1/files/public/docs2019/liaison-MEF-CFM-YANG-update-v01.pdf as communication to MEF Forum, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- Proposed: Jessy Rouyer
- Second: János Farkas

- In the WG (y/n/a): 38, 0, 0

Motion

- Approve
  http://www.ieee802.org/1/files/public/docs2019/liaison-Avnu-Automotive-v01.pdf as communication to Avnu Alliance, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- Proposed: Craig Gunther
- Second: János Farkas

- In the WG (y/n/a): 37, 0, 1

Motion

- Approve http://www.ieee802.org/1/files/public/docs2019/liaison-AUTOSAR-v01.pdf as communication to AUTOSAR, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- Proposed: Craig Gunther
- Second: János Farkas

- In the WG (y/n/a): 37, 0, 0

Motion

- Approve http://www.ieee802.org/1/files/public/docs2019/liaison-JASPAR-v01.pdf as communication to JASPAR, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- Proposed: Craig Gunther
- Second: János Farkas

- In the WG (y/n/a): 37, 0, 0