

802.1 Plenary – November 2017

Orlando, FL, USA

Opening Agenda

Glenn Parsons – IEEE 802.1 WG Chair
glenn.parsons@ericsson.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
- IEC/IEEE joint working group proposal
- TG agendas

Wednesday midweek

- [Call for Patents](#)
- Sanity check – current projects
- 802.11aq/RAC issue
- Ethertype/RAC issue
- Motions for EC consent agenda

Friday closing

- [Call for Patents](#)
- Membership status
- Future Meetings
- 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:**
 - The 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 the IEEE is not aware. Additionally, neither the 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.



Participants, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy.

- **Participants [Note: Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2]:**
 - **“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**
 - **“Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of potential Essential Patent Claims” (that is, third parties that are not affiliated with the participant, with the participant’s employer, or with anyone else that the participant is from or otherwise represents)**
- **The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group**
- **Early identification of holders of potential Essential Patent Claims is strongly encouraged**
- **No duty to perform a patent search**

Patent Related Links

All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.

Patent Policy is stated in these sources:

IEEE-SA Standards Boards 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 or visit <http://standards.ieee.org/about/sasb/patcom/index.html>

This slide set is available at
<https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt>



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:
 - Either speak up now 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
 - Cause an LOA to be submitted

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, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
 - Technical considerations remain 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.**

See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association’s Antitrust and Competition Policy” for more details.

Task Group Patent policy announcements

- TG Chairs please note:
 - At the start of each TG meeting, TG Chair needs to perform the Call for Patents as per the previous slides.
 - During the rest of the week, please announce each morning that the meeting is subject to the Patents Policy as read and displayed at the opening of the TG meeting.
 - If there are any responses to the call, minute it.
 - Direct attendees to the PatCom website for details of the policy:

<http://standards.ieee.org/board/pat/index.html>

and for the slide set:

<http://standards.ieee.org/board/pat/pat-slideset.ppt>

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

Participation in IEEE 802 Meetings

- Participation in any IEEE 802 meeting (Sponsor, Sponsor Subgroup, Working Group, Working Group Subgroup, etc.) is on an individual basis
 - *Participants in the IEEE standards development individual process shall act based on their qualifications and experience. (https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf section 5.2.1)*
 - *IEEE 802 Working Group membership is by individual; “Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives”. (http://ieee802.org/PNP/approved/IEEE_802_WG_PandP_v19.pdf section 4.2.1)*
 - You have an obligation to act and vote as an individual and not under the direction of any other individual or group. Your obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.
 - You shall not direct the actions or votes of any other member of an IEEE 802 Working Group or retaliate against any other member for their actions or votes within IEEE 802 Working Group meetings, see https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf section 5.2.1.3 and http://ieee802.org/PNP/approved/IEEE_802_WG_PandP_v19.pdf section 3.4.1, list item x
- By participating in IEEE 802 meetings, you accept these requirements. If you do not agree to these policies then you shall not participate.

Security issues

- **Please wear your badge** when in the meeting areas of the hotel
- This will help the hotel security staff to improve the general security of the meeting rooms
- **PCs HAVE BEEN STOLEN** at previous meetings – **DO NOT** assume that meeting areas are secure

General information on 802.1...

- Newcomers orientation:
 - <http://www.ieee802.org/1/files/public/docs2017/tsn-farkas-intro-0317-v01.pdf>
- Procedures background :
 - <http://www.ieee802.org/1/files/public/minutes/802-1-general-info-v3.pdf>
- Minutes
 - <http://www.ieee802.org/1/pages/minutes.html>
- Meeting contributions
 - <http://ieee802.org/1/filenaming.html>
 - Please upload BEFORE presentation
- Meeting information and attendance:
 - Schedule: <http://802world.org/attendee>
 - Attendance: <http://imat.ieee.org> (9 of 12 = 75%)

Orlando Logistics

□ Food & Beverage Daily

- Caribbean & Grand Sierra Foyer
- Continental Breakfast: 7:30 AM to 9:00 AM
- Morning Coffee/Tea: 9:00 AM to 11:00 AM
- Lunch – ***on your own*** grab & go in Caribbean 5
11:30 AM to 1:30 PM.
- Afternoon Coffee/Tea: 2:00 PM to 4:00 PM

□ Social Event

- A casual reception with food, drinks and musical entertainment
- Wednesday 6:30pm – 8:30pm – Pool Deck

□ Event updates

- Additional info: <http://802world.org/attendee>
- [Top ten](#)
- Twitter @IEEE802

802.1 officers

□ Officers

- Chair: Glenn Parsons
- Vice Chair: John Messenger
- Recording Secretary: Jessy Rouyer
- Security TG Chair: Mick Seaman
- TSN TG Chair: János Farkas
 - TSN TG Secretary: Craig Gunther
- Data Center Bridging TG Chair: Pat Thaler
- OmniRAN TG Chair: Max Riegel
- Maintenance of website: John Messenger & Paul Unbehagen
- Maintenance of Email exploder: Hal Keen

□ Website

- <http://www.ieee802.org/1/>

The following are 802.1 voters (52):

Assmann, Ralf
Bao, Shenghua
Bierschenk, Jens
Bjornstad, Steinar
Boiger, Christian
Bottorff, Paul
Chen, David
Chen, Feng
Cheng, Weiying
Cummings, Rodney
Farkas, Janos
Finn, Norman
Fontaine, Mickael
Garner, Geoffrey
Gray, Eric
Gunther, Craig
Gutierrez, Marina

Haddock, Stephen
Hantel, Mark
Heffernan, Patrick
Holness, Marc
Keen, Hal
Kehrer, Stephan
Korhonen, Jouni
Koto, Hajime
Li, Yizhou
Mangin, Christophe
McIntosh, James
Messenger, John
Moskowitz, Robert
Mustala, Tero
Pannell, Donald R
Parsons, Glenn
Pienciak, Walter
Potts, Michael

Randall, Karen
Riegel, Maximilian
Rouyer, Jessy
Ryyty, Eero
Samii, Soheil
Schewe, Frank
Seaman, Michael
Specht, Johannes
Thaler, Patricia
Unbehagen, Paul
Wang, Xinyuan
Wang, Hao
Wang, Tongtong
Weber, Karl
Weis, Brian
Woods, Jordon
Zein, Nader

The following have lost their voting membership through lack of qualifying attendance credit:

None

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

Heffernan, Patrick

Mangin, Christophe

The following will become voting members when/if they show up here this week:

Ohsawa, Tomoki

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

Bechtel, Gordon

Cam-Winget, Nancy

Congdon, Paul

Elbakoury, Hesham

Ellegard, Lars

Geilhardt, Frank

Gravel, Mark

Hotta, Yoshifumi

Huang, Jing

Hung, Soar

Itaya, Satoko

Karl, Michael

Kojima, Fumihide

Marks, Roger

Maruhashi, Kenichi

Qiu, Wei

Sato, Atsushi

Schmitt, Juergen

Shen, Li

Ting, Ao

Veisllari, Raimena

Wu, Yanwei

Yin, Yue

Yu, Xiang

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

Korhonen, Jouni

Ryytty, Eero

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.

802.1 website update

- WordPress on IEEE server
 - <http://1.ieee802.org>
 - Paul Unbehagen is leading
- Phase I - now
 - consolidate all current web pages/servers
 - distribute page change control to TG chairs and project editors
- Phase II – 2018-2019
 - move document storage to (new) mentor
- WG review session
 - Friday morning

Future interim meetings

- January 22-26, 2018
 - ITU-T in Geneva, Switzerland
- May 21-25, 2018
 - [Ethernet Alliance](#) in Pittsburgh, USA
- September 10-14, 2018
 - Transpacket in Oslo, Norway
- Jan 2019
 - NICT proposal
- May 2019
 - [Ethernet Alliance proposal](#)
- Sept 2019
 - Hosts welcome

January 2018 – hosted by ITU-T

- Geneva Headquarters (in Tower – A, T101 & T103)
 - <https://www.itu.int/md/T17-TSB-CIR-0054/en>
- [802.1/802.3 interim meeting](http://itu.int/reg/tmisc/3001027) – Jan 22-26
 - <http://itu.int/reg/tmisc/3001027>
- [ITU-T SG15 & IEEE 802.1/802.3 Workshop](#) – Jan 27
 - The workshop intends to offer a platform for all involved stakeholders and aims to focus on topics such as optical interfaces, mobile fronthaul, 5G mobile transport including synchronization, passive optical network (PON), management and YANG modeling.
- YANG meeting with ITU-T Q14/15 – Jan 28
 - <https://www.itu.int/net/itu-t/lists/rgmdetails.aspx?id=9088&Group=15>

Future plenaries

- March 4-9, 2018 – Chicago, IL USA
 - Hyatt Regency O'Hare
- July 9-13, 2018 – San Diego, CA USA
 - Manchester Grand Hyatt
- November 12-16, 2018 – Bangkok, Thailand
 - Marriott Marquis Queen's Park
- March 10-15, 2019 – Vancouver, BC, Canada
 - Hyatt Regency Vancouver and Fairmont Hotel Vancouver
- July 14-19, 2019 – Vienna, Austria
 - Austria Congress Centre
- November 10-15, 2019 – Waikoloa, HI, USA
 - Hilton Waikoloa Village

Meeting time

- 5 day Interims from January 2018
- 5 day plenary trial
 - November 2017 & March 2018
 - Monday to Friday
 - Closing plenary on Friday morning
 - Mid-week plenary Wednesday
 - Decide if we continue in March

802 elections

- March 2018
- All leadership positions open
- Candidates
 - 802 chair will stand for re-election
 - appointments will change
Vice chairs, Secretary, Treasurer, Exec Secretary
 - Talk to the chair if you are interested
 - 802.1 chair will stand for re-election

802 EC report – Plenary #117

- Duties
 - Affiliation requirements ([EC-17-171](#))
 - Standards withdrawal ([EC-17-191](#)) – **802.1D & ISO/IEC 15802-1/3 ???**
- 802 Task Force
 - Open source ([EC-17-182](#))
 - Tools discussion (executive session)
- P&P, WG & CG change proposals ([EC-17-199](#))
 - Tutorials do not require registration/badges
 - New: ICAID approval process, visa request process
 - Update Sponsor P&P (and then WG P&P) in 2018
- Venues ([EC-17-198](#))
- Treasurer ([EC-17-190](#))
 - Projected 2017 budget - \$150k loss (reserve to \$1.5M)
 - Orlando budget \$7k loss
- 802.11
 - TG MD will respond to security vulnerabilities
 - 802.11aq comments from RAC ([11-17-1730](#))

EC meetings this week

Mon 08:00-10:00 Opening Executive Committee meeting

Tue 13:30-15:30 802/JTC1/SC6 Standing Committee

Wed 08:00-09:00 802/ITU Standing Committee

Thu 07:30-08:00 Next venue space planning

Thu 08:00-09:00 Future venue planning

Thu 09:00-10:00 802 Chair's Open Office hour

Thu 10:30-12:30pm IEEE 802 Task Force

Fri 13:00-18:00 closing Executive Committee meeting

myProject status unchanged

- Phase I: convert myProject from PERL
 - Greater effort required than anticipated
 - Completion not expected before 2018
- Phase II: Feature Enhancement
 - To be incorporated into scheduled maintenance releases
- Phase III: MENTOR and IMAT conversion from PERL
 - Not scheduled or budgeted at this time

IEEE Open Source offering

- Initial Summary (including CLA)
 - <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0103-00-00SA-ieee-open-source-offering.pdf>
- IEEE 802 expressed concerns
 - Would like the current process for standards that include source code (YANG, MIB, etc) to be allowed
 - There is some interest for IEEE 802 YANG to be open source (e.g., to allow continuous development)
- Updated summary
 - <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0182-00-00EC-ieee-802-nov17-opensourceimplementationforieeestandards-update.pdf>

Public Review

- Starting on 6 July 2015, all eligible projects where a Sponsor ballot is initiated will also have a [Public Review](https://publicreview.standards.ieee.org) period initiated simultaneously.
 - <https://publicreview.standards.ieee.org>
 - Staff will transfer any comments to myBallot
- Status
 - No comments yet
 - Closing this week: 802.1Q, 802.1AR
- Questions? [FAQ](#)

Email ballots (ePoll)

- None

PARs this week

□ 802.1 PARs

- 802.1CBcv - Amendment: Information Model, YANG Data Model and Management Information Base Module [PAR](#) and [CSD](#)
- Note this has been added as a special case for this plenary due to its late submission – that is, as explained in the [history](#), it is a continuation of the July plenary pre-submission.

□ Other WG PARs:

- 802.11ax - Amendment: High Efficiency (HE) Wireless LAN [PAR](#) and [CSD](#)
- 802.11az - Amendment: Next Generation Positioning (NGP) [PAR](#) and [CSD](#)
- 802.15.10a - Amendment: Recommended Practice for Routing Packets in IEEE 802.15.4 Dynamically Changing Wireless Networks [PAR](#) and [CSD](#)

802 Industry Connections

- IEEE 802 [network enhancements for the next decade](#)
 - This is the result of the 802.1 OmniRAN TG addressing the EC 5G/IMT-2020 SC Action A. The ICAID was developed in a number of special meetings of OmniRAN TG with participation across IEEE 802.
 - This group is being run as a [subgroup](#) of 802.1
- Scope
 - This activity will assess emerging requirements for IEEE 802 based communication infrastructures, identify commonalities, gaps, and trends not currently addressed by IEEE 802 standards and projects, and facilitate building industry consensus towards proposals to initiate new standards development efforts.

Tutorials

Tutorial #1 (6:00–7:20 pm): **Use of 802.11 for 5G Millimeter Wave Systems**

- [Presentation](#)
- Farooq Khan, Phazr
- Rakesh Taori, Phazr

Tutorial #2 (7:30 - 8:50 pm): **Local MAC Addresses in the IEEE 802 Overview and Architecture based on IEEE Std 802c**

- [Presentation](#)
- Pat Thaler, Broadcom
- Roger Marks , EthAirNet Associates
- Bob Grow

Liaisons within 802

- Joint meetings
 - Tues 18:30 – 19:30 – 802.1, 802.15
 - Tues 13:30 - 802.1 TSN & 802.3cg
- IEEE 802 JTC1 standing committee meetings
 - Tuesday (ballots) PM1
- IEEE 802 ITU standing committee
 - Wednesday 8am
 - GSC21 & WTDC updates
 - JCA IMT-2020 – conf call Friday
- IEEE 802 IETF standing committee
 - <https://www.iab.org/activities/joint-activities/iab-ieee-coordination/>
- IEEE 802 task force
 - Thursday 10:30am

Incoming Liaisons (1)

□ TSN:

- BBF on YANG
<http://www.ieee802.org/1/files/public/docs2017/liaison-bbf2017.525.01-SOAM YANG-0717.pdf>
<http://www.ieee802.org/1/files/public/docs2017/liaison-BBF-84-CFM YANG-0917.zip>
- ITU-T Q14/15 on CFM YANG
<http://www.ieee802.org/1/files/public/docs2017/liaison-SG15-LS68 CFM OAM 1017.zip>
- Latest 1588 draft
<http://www.ieee802.org/1/files/private/1588-drafts/IEEE%201588-2017 DRAFT STANDARD D1.2-diff-marks-from-2008.pdf>
- 802.3cg
<http://www.ieee802.org/1/files/public/docs2017/liaison-IEEE 802d3cg mutidrop and TSN 0917.pdf>
- 3GPP RAN3 on fronthaul
<http://www.ieee802.org/1/files/public/docs2017/liaison-3GPP-RAN3-173354-0917.zip>
- MEF on 5G transport and 802.1CM
<http://www.ieee802.org/1/files/public/docs2017/liaison-MEF-L00267 MEF5GWork 0917.pdf>
<http://www.ieee802.org/1/files/public/docs2017/liaison-MEF L00274 on MBH MEF 22.3 1117.pdf>
- MEF on One-way Frame Delay Performance
<http://www.ieee802.org/1/files/public/docs2017/liaison-MEF L00273 on FrameDelay 1117.pdf>
- NGMN on 5G E2E Architecture Framework
<http://www.ieee802.org/1/files/public/docs2017/liaison-NGMN-5G E2E arhitecture 1017.zip>
- NGMN on RAN functional split and Xhaul
<http://www.ieee802.org/1/files/public/docs2017/liaison-NGMN-RAN functional split+xhaul-1017.pdf>

Incoming Liaisons (2)

- Maintenance:
 - MEF 10.4 approved draft
http://www.ieee802.org/1/files/public/docs2017/liaison-MEF-L00268_MEF_10.4_AD1_0917.pdf
- Plenary (liaison officer & document request):
 - EtherCAT technology group
http://www.ieee802.org/1/files/public/docs2017/liaison-ETG_802.1_liaison_request-1017.pdf
 - PI (Profibus /Profinet)
<http://www.ieee802.org/1/files/public/docs2017/liaison-PI-IEEE802-1117.pdf>
 - IEC SC65C
http://www.ieee802.org/1/files/public/docs2017/liaison-IEC-SC65C-formal_liaison_request-1017.txt

Official liaisons

- IEEE 802.1 has not had “official liaisons”
 - liaison letter exchange has sufficed
- The closest was to deal with IEEE entity projects in March 2012
 - Appoint Philippe Klein as 802.1 liaison to P1905.1
- The [IEEE 802 liaison list](#)
 - Liaison Relationship: A cooperation facilitating a close working relationship between organizations typically via Liaison Statements, Liaison Officials or Liaison Facilitators.
 - Liaison Statement: A communication intended to advance cooperation among organizations.
 - Liaison Official: A person designated to advance communications among organizations.
 - Liaison Facilitator: A person, without any official designation, who participates in another organization as well as IEEE 802 to advance cooperation among the organizations

IEC/IEEE Joint Working Group

- Proposal from IEC SC65C in September
 - <http://www.ieee802.org/1/files/public/docs2017/new-winkel-tsn-profile-0917-v00.pdf>
- Summary for EC
 - <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0169-00-INTL-iec-ieee-jwg-proposal.pdf>
- IEC/IEEE Dual Logo Agreement Joint Development
 - <http://www.ieee802.org/1/files/public/docs2017/admin-haasz-iec-joint-development-1117-v1.pdf>

Sanity check – current workload

Project	Subject	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1CB	Frame Replication and Elimination	RevCom - cond Sponsor Ballot -	Approved - Sept 28	D2.8	Publication	Dec '17
802.1Qcc	SRP enhancements & performance improvements	cond	Sponsor pool	D2.0	Sponsor Ballot	Dec '17
802.1CF	Access network (OmniRAN)	TG ballot	TG ballot	D0.5	WG ballot	Dec '18
802.1AS-REV	Time synch enhancements	PAR modification	WG ballot	D5.1	Sponsor Ballot (March)	Dec '19
802c	Local Address space	RevCom	Published - Aug 24	D2.1		Dec '19
802.1Qci	Per Stream Filtering & Policing	RevCom	Published - Oct 6	D2.0		Dec '19
802.1Qcj	Auto Attach to PBB	TG Ballot	TG Ballot	D0.2	WG ballot (March)	Dec '19
802.1Xck	802.1X YANG data model	WG ballot	WG ballot	D1.1	WG ballot recirc	Dec '19
802.1CM	Profile for Fronthaul	WG ballot	WG ballot	D1.0	Sponsor Ballot - cond	Dec '19
802.1Qcn	EVB VDP extension	Change to .1Qcy Sponsor Ballot -	WG ballot	D1.0	WG ballot	Dec '19
802.1Qcp	802.1Q YANG data model	cond	Sponsor pool	D1.4	Sponsor Ballot	Dec '19
802E	Privacy	TG ballot	TG ballot	D0.7	TG Ballot	Dec '19
802.1CQ	Local Address protocol	PAR approved	Editor's draft	D0.1	Editor's draft	Dec '20
802.1Qcr	Asynchronous Traffic Shaping	TG ballot	TG ballot	D0.2	TG ballot	Dec '20
802.1CS	LRP	TG ballot	TG ballot	D1.1	TG ballot	Dec '21
802.1AX-REV	Link Aggregation	TG ballot	TG ballot	D0.1	TG ballot	Dec '20
802.1AR-REV	Secure Device Identity	Sponsor Ballot	Sponsor Ballot	D2.2	Sponsor Ballot recirc	Dec '21
802.1Q-REV	Bridges and Bridged Networks	Sponsor Ballot	Sponsor Ballot	D2.0	RevCom - cond	Dec '20
802.1AE-REV	MAC security	WG ballot	PAR Approved		Editor's draft	Dec '21
802.1ACct	support for 802.15.3	PAR development	PAR Approved		TG Ballot	Dec '21
802.1ABcu	LLDP YANG	PAR development	PAR Approved		TG Ballot	Dec '21
802.1CBcv	FRER YANG & MIB	PAR development			NesCom	
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	PAR development	PAR Approved		TG Ballot	Dec '21
802.1Qcx	CFM YANG	PAR development	PAR Approved		TG Ballot	Dec '21
802.1AC/cor1	MAC Service		PAR Approved		WG Ballot	Dec '21

Editors

- The 802.1 chair assigns editors
- There are some requirements
 - Access to FrameMaker
 - Experience as an editor
 - Identifying a mentor, if new 802.1 editor
- There are numerous new projects
- If you are interested in being considered as editor, please let me know

Promotion

- IEEE-SA marketing collateral
 - [TSN automotive](#), [TSN industrial](#), others?
- Issue press releases or eBlasts
 - Start of PAR, Final approval
 - Editors are asked to propose...
- Presence at Industry Events
 - Deterministic Ethernet Forum – April, Vienna
 - [Lead exhibitor](#)
 - TSN/A – September, Stuttgart
 - [Lead exhibitor](#)
 - IEEE Communications Standards Magazine, June 2018
 - [TSN Feature Topic](#)
 - ???

Standards Project Awards

- Offered to the chairs, Editor and significant contributors after publication
- Up Next
 - 802.1AB-REV
 - 802.1Qca
 - 802.1Qbv
 - 802.1Qbu
 - 802.1Qbz
 - 802.1AC-REV
 - 802.1AEcg
 - 802d
 - 802.1Qch
 - 802c
 - 802.1Qci

Motions for midweek plenary

- For motions requiring EC action
 - PARs to NesCom
 - Drafts to Sponsor ballot
 - Drafts to RevCom
- EC required supporting material must be sent to the WG chair before the motion is considered
 - Preferably in the motion slides
- Consent agenda ([EC-16-183](#))
 - Must be sent to EC by noon Wednesday

802.1 plenary schedule

V2

IEEE 802 PLENARY SESSION
Orlando, Florida
November 5-10, 2017

802.1 tracks and times

	SUN	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY		
07:00-07:30								
07:30-08:00								
08:00-08:30								
08:30-09:00		Trk 1: TSN						
09:00-09:30								
09:30-10:00								
10:00-10:30		Break	Break	Break	Break	Break		
10:30-11:00								
11:00-11:30		Opening 802.1 plenary	Trk 1: TSN	Trk 4: SEC	Trk 1: TSN	Trk 2: DCB	Trk 3: OR	
11:30-12:00								
12:00-12:30								
12:30-13:00		Lunch	Lunch /802.1 Mgmt	Lunch	Lunch / 802.1 Mgmt	Lunch		
13:00-13:30								
13:30-14:00		Trk 1: TSN	Trk 1: TSN	Trk 4: SEC	Midweek 802.1 plenary	Trk 1: TSN	Trk 2: DCB	Trk 3: OR
14:00-14:30								
14:30-15:00								
15:00-15:30								
15:30-16:00		Break	Break	Break	Break	Break		
16:00-16:30								
16:30-17:00		Trk 1: TSN	Trk 3: OR	Trk 4: SEC	Trk 1: TSN	Trk 2: DCB	Trk 3: OR	
17:00-17:30								
17:30-18:00								
18:00-18:30			Break	Break	Break	Break		
18:30-19:00	TG Chairs Mtg	Tutorials	Joint .1/.15	Social event				
19:00-19:30								
19:30-20:00								
20:00-20:30			IC - 802 NEND					
20:30-21:00								
21:00-21:30								
21:30-22:00								

KEY:
 TSN: Time Sensitive Netw'kg
 MTN TG: Maintenance TG
 SEC: Security
 DCB: Data Center Bridging
 OR: OmniRAN

802.1 Management meetings

- Sunday – 6pm – 802.1 management meeting - TG chairs
 - Agenda finalization for Monday (including TG agendas)
 - Insanity slides update
 - EC Consent agenda motion development (NesCom, RevCom, Sponsor Ballot, SC6 – all with supporting information)
- Tuesday – 12:30pm- 802.1 management meeting – TG chairs + optionally editors
 - Agenda finalization for Wednesday (including TG updates, if any)
 - EC Consent agenda motion finalization – submission Wed AM
- Thursday – 12:30pm – 802.1 management meeting – TG chairs + optionally editors
 - Agenda finalization for Friday (including TG reports)
 - EC regular motion finalization (liaisons, other)
 - WG motions (calls, meetings, minutes, TG/WG ballots)
 - web strategy
- Friday AM – 802.1 web update – TG chairs + editors + optionally all participants
 - Overview web status
 - Introduce new website
 - Confirm responsibilities

YANGsters meetings

Mission:

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

YANGsters Status

- Website

- <http://1.ieee802.org/yangsters/>

- Mailing List

- STDS-802-YANG@listserv.ieee.org

- Meeting Time

- Bridge: join.me/ieee802.1

- Normally the last Wednesday of the month

- 6:00 AM (PDT)

- No meetings this week

Meetings

- Held 4 meetings
 - Discussed the need for coordinated guidelines for YANG
 - There are IETF best practices
 - YANG Catalog Information
 - Tools
- Many items to discuss, please come and join the conversation

TG agendas

- Security TG
- TSN TG
- OmniRAN TG
- Maintenance TG
- Data Center Bridging TG
- 802 Network Enhancements IC

Agenda - Security

1. P802.1Xck (Port-Based Network Access Control – YANG Data Model)
 - Finalize WG Ballot Resolution [Tuesday following YANG, Tuesday pm 2](#)
2. P802.1AR-Rev (Secure Device Identity)
 - Initial Sponsor Ballot resolution continued. [Wednesday am, Wednesday pm](#)
3. JTC1 SC6 SC participation [Tuesday pm1, Thursday pm1](#)
4. A.O.B
5. Future meeting/teleconferences

Task Group will meet Tuesday through Wednesday

Starting: Tuesday, after Maintenance and joint YANG session
 Wednesday 8.00 am

No work this meeting on P802.1AE-Rev (PAR approved, waiting for Editor to produce first roll-up, WG ballot already approved) and P802E Privacy (Editor unable to attend)

Agenda – Security (Input Documents)

1. P802.1Xck (Port-Based Network Access Control – YANG Data Model)

- Disposition of Comments

- <http://www.ieee802.org/1/files/private/xck-drafts/d1/802-1Xck-d1-1-dis-v01.pdf>

- Updated draft

- <http://www.ieee802.org/1/files/private/xck-drafts/d1/802-1Xck-d1-2.pdf>
- <http://www.ieee802.org/1/files/private/xck-drafts/d1/ieee802-dot1x-2017-10-15.yang>
- <http://www.ieee802.org/1/files/private/xck-drafts/d1/IEEE8021-SECY-MIB-201605102049Z.txt>

2. P802.1AR-Rev (Secure Device Identity)

- Current Proposed Disposition of Comments

- <http://www.ieee802.org/1/files/private/ar-rev-drafts/d2/802-1AR-rev-d2-0.pdf>

- Interim draft

- <http://www.ieee802.org/1/files/private/ar-rev-drafts/d2/802-1AR-rev-d2-4.pdf>
- <http://www.ieee802.org/1/files/private/ar-rev-drafts/d2/802-1AR-rev-d2-4-changes.pdf>
- <http://www.ieee802.org/1/files/private/ar-rev-drafts/d2/802-1AR-rev-d2-4-clause-9.pdf>

802.1 TSN TG Agenda

V1

IEEE 802 PLENARY SESSION
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802.1 Time-Sensitive Networking (TSN) TG

	SUN	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	
07:00-07:30							
07:30-08:00							
08:00-08:30							
08:30-09:00		AS-Rev	MTN TG	CBcv PAR?, Qcr YANG, CS, RAP	IEC joint work, liaisons	Overflow	
09:00-09:30							
09:30-10:00							
10:00-10:30		Break	Break		Break	Break	
10:30-11:00		Opening 802.1 plenary	YANG: Qcp, Xck, Q-Rev Sponsor ballot		AS-Rev with .11	Closing 802.1 Plenary	
11:00-11:30							
11:30-12:00							
12:00-12:30							
12:30-13:00		Lunch	Lunch	Lunch	Lunch	Lunch	
13:00-13:30							
13:30-14:00		liaisons, CM WG ballot	802.3cg joint	Midweek 802.1 plenary	AX-Rev, new work	Closing 802 EC	
14:00-14:30							
14:30-15:00							
15:00-15:30							
15:30-16:00			Break	Break			
16:00-16:30							
16:30-17:00			CM WG ballot?, Qcr TG ballot	new work, 802.24 joint			
17:00-17:30							
17:30-18:00							
18:00-18:30	TG	Tutorials	Break	Break	Break		
18:30-19:00	Chairs						KEY:
19:00-19:30	Mtg			Joint .1/.15	Social event		TSN: Time Sensitive Netw'kg
19:30-20:00							MTN TG: Maintenance TG
20:00-20:30			IC - 802 NEND			SEC: Security	
20:30-21:00						DCB: Data Center Bridging	
21:00-21:30						OR: OmniRAN	
21:30-22:00							

OmniRAN TG - Nov 2017 Agenda

	Mon 11/06	Tue 11/07	Wed 11/08	Wed 11/09	Fri 11/10
08:00	802 EC Opening	802.11 WNG	802.11 ARC		802.11 Closing Plenary
10:00					
10:30	802.1 Opening Plenary	802.11 ARC	802.11/802.15 Mid-week Plenaries		802.1 Closing Plenary
12:30		802.1 Editors Meeting			
13:30			802.1 Midweek Plenary	OmniRAN closing	802 EC Closing
15:30					
16:00	OmniRAN opening				
18:00					
	Tutorials	Joint 802.1/802.15			
		ICA NEND			

OmniRAN TG Agenda proposal for November 2017

- Review of minutes
- Reports
- Potential input to 802.1 Industry Connections
- Motions to 802.1 mid-week plenary
- Information model for Access network and User service
- Text proposal for adoption of TSN in Chap 7.5 & 7.6
- Plan for going WG ballot w/ 802.1CF-D0.7 draft
- Conference calls until Mar F2F
- Motions to 802.1 closing plenary
- Status report to IEEE 802 WGs
- AOB

Maintenance meeting

November 7th, 2017 Agenda

- Patents and Guidelines
- Attendees
- Status
- Additional comments received
- New Maintenance items
 - 0195: 802.1Qch typo in figure Q-3
 - 0196: 802.1X MKA pending PN exhaustion
- Existing Maintenance items
- 802.1AC-2016/Cor1
- Comment resolution
 - 802.1Q-Rev/D2.0 (starts in Maintenance and continues in TSN)
- Liaisons
 - IETF LLC for long frames – liaison written in July but not issued: liaison-IETF-llc-encap-0717-v03
 - MEF 10.4
- SC6 comment resolution
 - 802.1AEcg 60-day ballot comment
- SC6 status

DCB & Addressing Agenda

Meeting Wed & Thurs

P802.1Qcn - Working Group ballot comment resolution

P802.1CQ -

- There will be a tutorial on local addressing on Monday evening including some slides on FCoE's address assignment protocols.
- IETF proposal to use DHCP

New Work

- Congestion Isolation - there will be a presentation further exploring how it might work and one proposing scope and other details for the PAR and possibly one additional proposal

802 NEND

Network Enhancements for the Next Decade IC

- Administrative
- Project Objectives/Scope
- Project Plan
- Contributions
 - Industrial Automation
 - Future Data Centre Networks
- Communications Plan
 - (information sharing, meetings, schedule, etc.)
- Actions/Next Steps

Any other business?