

# 802.1 Plenary – November 2018

## Bangkok, Thailand

### Opening Agenda

Glenn Parsons – IEEE 802.1 WG Chair

[glenn.parsons@ericsson.com](mailto:glenn.parsons@ericsson.com)

# Thanks everyone!

- And especially to those acting during your chair's unanticipated absence
  - John Messenger
  - Jessy Rouyer
  - Paul Congdon

# 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.

# Participants have a duty to inform the IEEE

- Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
- Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

**Early identification of holders of potential  
Essential Patent Claims is encouraged**

# Ways to inform IEEE

- **Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or**
- **Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or**
- **Speak up now and respond to this Call for Potentially Essential Patents**

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

# 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.

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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](mailto:patcom@ieee.org)**



# 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 Patent 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](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”. (subclause 4.2.1 “Establishment”, of the IEEE 802 LMSC Working Group Policies and Procedures)**
- **Participants have an obligation to act and vote as an individual and not under the direction of any other individual or group. A Participant’s obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.**
- **Participants 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](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) section 5.2.1.3 and the IEEE 802 LMSC Working Group Policies and Procedures, subclause 3.4.1 “Chair”, 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.**

(Latest revision of IEEE 802 LMSC Working Group Policies and Procedures: <http://www.ieee802.org/devdocs.shtml>)

# 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...

- 802 - Newcomer's Session - Apartment 1 - 9th Floor
- 802.1 Newcomers orientation:
  - <http://www.ieee802.org/1/files/public/docs2018/tsn-farkas-intro-0318-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://schedule.802world.com/>
  - Attendance: <http://imat.ieee.org> (8 of 10 (75%))

# Logistics

## □ Food & Beverage Daily

- Full Breakfast: 6:30 AM to 8:30 AM
  - Goji restaurant (lobby) for attendees staying in meeting hotel
- Morning Coffee/Tea: 10:00 AM to 11:00 AM
  - Grand Ballroom Foyer (2<sup>nd</sup>) & Great Hall area (7<sup>th</sup>)
- Lunch 12:30 PM – 1:30 PM
  - Sala Thai (5<sup>th</sup>) & Pagoda (4<sup>th</sup>)
- Afternoon Coffee/Tea: 3:00 PM to 4:00 PM
  - Grand Ballroom Foyer (2<sup>nd</sup>) & Great Hall area (7<sup>th</sup>)

## □ Social Event

- Wonderful Pearl Cruise – sold out with wait list
  - **Required information** – email from IEEE 802 Meeting Planner
- Wednesday 6:00pm – 10:00pm - bus to/from hotel

## □ Event updates

- Local server: <http://ieee802.linespeed.io/> - [Map](#)
- 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
- IEC/IEEE 60802 Joint Project chair: Ludwig Winkel
  - IEC/IEEE 60802 Joint Project secretary: Josef Dorr
- OmniRAN TG Chair: Max Riegel
- Maintenance TG chair: Paul Congdon
- NEND ICA 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 (56):

Assmann, Ralf	Haddock, Stephen	Riegel, Maximilian
Bao, Shenghua	Hantel, Mark	Rouyer, Jessy
Bierschenk, Jens	Holness, Marc	Sato, Atsushi
Bjornstad, Steinar	Kabra, Lokesh	Schewe, Frank
Boiger, Christian	Karl, Michael	Seaman, Michael
Bottorff, Paul	Kehrer, Stephan	Specht, Johannes
Canchi, Radhakrishna	Koto, Hajime	Thaler, Patricia
Chen, David	Mangin, Christophe	Unbehagen, Paul
Chen, Feng	Mansfield, Scott	Wang, Xinyuan
Cheng, Weiying	McIntosh, James	Wang, Tongtong
Congdon, Paul	Messenger, John	Wang, Hao
Cummings, Rodney	Mustala, Tero	Weber, Karl
Elbakoury, Hesham	Ohsawa, Tomoki	Weis, Brian
Farkas, Janos	Pannell, Donald R	Winkel, Ludwig
Finn, Norman	Parsons, Glenn	Woods, Jordon
Garner, Geoffrey	Pienciak, Walter	Yamaura, Takahiro
Gray, Eric	Potts, Michael	Yu, Xiang
Gunther, Craig	Qiu, Wei	Zein, Nader
Gutierrez, Marina	Randall, Karen	



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 :

Shenghua Bao  
Lokesh Kabra

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

Maruhashi, Kenichi

Ohue, Hiroshi

Itaya, Satoko

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

Chang, Xin

DeLaOlivaDelgado,  
Antonio

Ellegard, Lars

Fan, Xiaojing

Fang, Yonggang

Fontaine, Mickael

Gravel, Mark

Harima, Taro

Hasegawa, Akio

Hotta, Yoshifumi

Osagawa, Daisuke

Seewald, Maik

Shen, Li

Sun, Wenhao

Tarui, Isao

Ting, Ao

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

Bjornstad, Steinar

Cheng, Weiying

Randall, Karen

Schewe, Frank

Thaler, Patricia

# 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 – 2017-2018
  - consolidate all current web pages/servers
  - distribute page change control to TG chairs and project editors, but use a common style
  - deploy plugins for calendars, agenda, etc.
- Phase III – 2019?
  - move document storage to (new) Mentor

# Future interim meetings

- Jan 14-18, 2019
  - [FFPA](#) in Hiroshima, Japan
- May 20-24, 2019
  - [Ethernet Alliance](#) in [Salt Lake City](#), USA
- Sept 16-20, 2019
  - Potential ADVA Optical Networking proposal in Edinburgh, UK
- Jan 20-24, 2020 (workshop Jan 25)
  - Potential ITU-T proposal for Geneva, CH
- May 2020
  - Ethernet Alliance in North America
- September 2020
  - Potential Huawei [proposal](#) for China



# Future plenaries

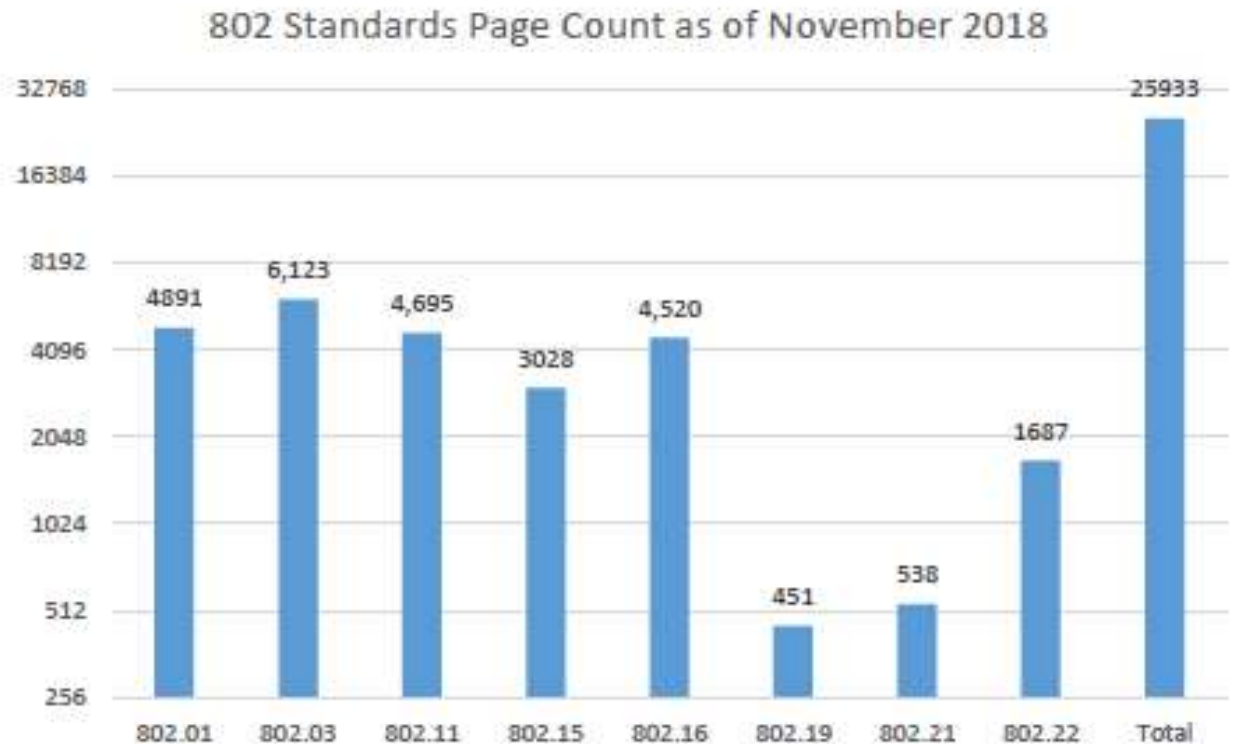
- March 10-15, 2019 – Vancouver, BC, Canada
  - Hyatt Regency Vancouver *and* Fairmont Hotel Vancouver
- July 14-19, 2019 – Vienna, Austria
  - Austria Congress Centre
- November 10-15, 2019 – Waikoloa, HI, USA
  - Hilton Waikoloa Village
  
- March 15-20, 2020 – Atlanta, GA, USA
  - Hilton Atlanta
-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

# 802 EC report – Plenary #120

- No SA staff at this plenary
- 802 Task Force (Thurs 10:30)
  - IEEE SA Tools update
  - Get 802 terms and conditions
  - Web conferencing
  - Broken links to SA website
- P&P, OM, WG & CG change proposals (EC-18-191)
  - Update Sponsor P&P ([EC-18-102](#)) compare ([EC-18-129](#))
    - Additions: Clarifying definitions, Criteria, Entity PARs, Dominance, Ombudsman, Elect VC
    - Clarifications: Minutes contents,
    - Voting between meetings issue
  - Update WG P&P ([EC-18-104](#))
    - Additions: agenda & meetings, rights, minutes
- Venues ([EC-18-216](#))
- Treasurer ([EC-18-199](#))
  - July 2018 meeting: \$60k surplus
  - Nov 2018 estimate: \$10k surplus with larger attendance
  - 2019 projected loss: \$400k (reducing reserves to \$1M)

# IEEE 802 Standards – page count

802 WG	#pages
802.01	4,891
802.03	6,123
802.11	4,695
802.15	3,028
802.16	4,520
802.19	451
802.21	538
802.22	1,687
Total	25,933



# EC meetings this week

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

Tue 13:30-15:30 802/JTC1/SC6 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 in 2019 ?
- 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
  - Exploring options

# IEEE Open Source offering

## □ Summary

- [IEEE Open Source offering](#) (with Contribution License Agreement)
- [CAG update on open source activity](#)
- SASB open source update

## □ IEEE 802 [view](#)

- Maintain option of current process
  - i.e., source code (YANG, MIB, etc) can be developed as part of the standards process
  - [Current process](#) -- **Advocate in SASB**
- Interest with open source for normative/informative use in standards (e.g., YANG, simulations)
  - Possible interest with being part of a trial
  - But there are concerns with the proposed process (e.g., CLA)

## □ Discuss in YANGsters

# 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
  - Open public review
    - None currently
- Questions? [FAQ](#)

# Email ballots (ePoll)

## □ 15-TSN/A 2018 Participation

- Approve IEEE 802.1 to be a Lead Exhibitor at the TSN/A Conference 2018 providing booth space is made available. The event is scheduled to occur on September 26-27, 2018 in Stuttgart, Germany.
- Moved: Janos Farkas  
Seconded: Craig Gunther
- Sept 10-21, 2018
- Approved - 49/0/1



# PARs this week 1/2

## □ 802.1 PARs

- 802.1CMde - Amendment: Enhancements for Fronthaul Interface, Synchronization, and Synchronization Standards, [PAR](#) and [CSD](#)
- 802.1DF - Standard: Time-Sensitive Networking Profile for Service Provider Networks, [PAR](#) and [CSD](#)
- 802.1DG - Standard: Time-Sensitive Networking Profile for Automotive In-Vehicle Ethernet Communications, [PAR](#) and [CSD](#)

# PARs this week – 2/2

## □ Other WG PARs:

- 802.3ca - Amendment: 25 Gb/s and 50 Gb/s Passive Optical Networks, PAR Modification & Extension, [PAR Modification](#), [PAR Extension](#) and [CSD Modification](#)
- 802.3cp - Amendment: Bidirectional 10 Gb/s, 25 Gb/s, and 50 Gb/s Optical Access PHYs , [PAR](#) and [CSD](#)
- 802.3cs – Amendment: Increased-reach Ethernet optical subscriber access (Super-PON) , [PAR](#) and [CSD](#)
- 802.3 Industry Connections: New Ethernet Applications, [ICAID](#) and [Background](#)
- 802.11bc - Amendment: Enhanced Broadcast Service (eBCS), [PAR](#) and [CSD](#)
- 802.11bd - Amendment: Next Generation V2X, [PAR](#) and [CSD](#)
- 802.19 -Recommended Practice - Coexistence Methods for Sub-1 GHz Frequency Bands, [PAR](#) and [CSD](#)
- 802.22 - Standard - Revision Project, [PAR Extension](#)
- 802.22.3 - Standard - Spectrum Characterization and Occupancy Sensing, [PAR Extension](#)

# 802 Industry Connections

- IEEE 802 [network enhancements for the next decade](#)
  - Authorized until March 2019
  - This group is being run as a [subgroup](#) of 802.1
  - The chair of this Industry Connections activity is
    - Roger Marks
  
- 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 - Monday

Tutorial #1 (6:00–7:20 pm):  
**THz communications – an  
overview and options for an  
IEEE 802 standardization**

- [Presentation](#)
- Thomas Kuner, TU Braunschweig

Sponsored by Bob Heile, IEEE  
802.15 WG Chair

Tutorial #2 (7:30 - 8:50 pm):  
**The new LMSC P&P, WG P&P  
and how to take good minutes**

- Presentation
- James Gilb, GA-ASI, USD,  
GenXComm
- Stephen McCann, Blackberry, Ltd
- Jon Rosdahl, Qualcomm

Sponsored by James Gilb, IEEE  
802 1st Vice Chair

# Liaisons within 802

- Joint meetings
  - Tues 18:00 – 18:30 – 802.1 TSN, 802.24
  - Tues 18:30 – 19:30 – 802.1, 802.15
- IEEE 802 JTC1 standing committee meetings [report](#)
  - Tuesday 13:30 – 15:30 - Apartment 1
- IEEE 802 IETF standing committee [report](#)
  - Saturday, Nov 10<sup>th</sup> – 8am
    - <https://www.iab.org/activities/joint-activities/iab-ieee-coordination/>
  - Tues 8:00 – 9:30 – 802.11 WNG
    - [IPv6 Neighbor Discovery Service](#)
- IEEE 802 ITU standing committee [report](#)
  - Thursday 8am
- IEEE 802 task force
  - Thursday 10:30am

# Incoming Liaisons

## □ TSN

- [ITU-T SG15 LS153](#) - Response to liaison on updating G.8021, and initiation of approval process for G.8013/Y.1731 (2015) Amendment 1 - [draft](#)
- [ITU-T SG15 LS159](#) - Coordination of Ethernet information and data modelling work
- [ITU-T SG15 LS164](#) - Updates on the work on time synchronization and enhanced synchronous - [drafts](#)
- [IEC TC57/WG10](#) – Request for access to 802.1 documents
- [IEEE 1914](#) – 802.1CM Category A+
- [BBF](#) - YANG Best Current Practices – [OD-360](#)
- [IEEE 802.3](#) (to BBF) - YANG Best Current Practices
- [LNI](#) – Request for access to drafts
- [AVNU](#) - Submissions for 60802 Joint Project Inclusion – [document](#) [release](#)

## □ OmniRAN

- [ITU-T JCA IMT-2020](#)

# Conformance Testing and Certification

- Development of test methodologies for standards is possible in IEEE 802
- The decision process is:
  - Does the WG want a test specification?
  - Who develops the test specification?
  - Who tests and certifies?

# Sanity check – current workload

Project	Subject	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1Qcc	SRP enhancements & performance improvements	RevCom conditional	Approved - Jun 14	D2.3	Publication	Dec '19
802.1CF	Access network (OmniRAN)	PAR extension	Sponsor Ballot	D3.0	RevCom conditional	Dec '20
802.1AS-REV	Time synch enhancements	Sponsor ballot	WG ballot	D7.3	Sponsor Ballot (conditional)	Dec '19
802.1Qcj	Auto Attach to PBB	TG Ballot	TG Ballot	D0.4	WG ballot	Dec '19
802.1Xck	802.1X YANG data model	RevCom conditional	Approved - Sep 27	D2.2	Publication	Dec '19
802.1CM	Profile for Fronthaul	RevCom conditional	Published - Jun 8	D2.2		Dec '19
802.1Qcy	EVB VDP extension	RevCom conditional	Sponsor Ballot	D2.5	RevCom	Dec '19
802.1Qcp	802.1Q YANG data model	Sponsor Ballot - cond	Published - Sep 14	D2.2		Dec '19
802E	Privacy	TG ballot	TG ballot	D1.1	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	PAR modification - YANG, WG ballot	TG ballot	D0.5	WG Ballot	Dec '20
802.1CS	LRP	WG ballot	TG ballot	D1.6	WG Ballot	Dec '21
802.1AX-REV	Link Aggregation	WG ballot	TG ballot	D0.4	WG Ballot	Dec '20
802.1AR-REV	Secure Device Identity	RevCom	Approved - Jun 14	D2.6	Publication	Dec '21
802.1Q-REV	Bridges and Bridged Networks	RevCom	Published - Jul 6	D2.2		Dec '20
802.1AE-REV	MAC security	RevCom	Approved - Sep 27	D1.3		Dec '21
802.1ACct	support for 802.15.3	PAR approval	PAR Approved		Editor's draft	Dec '21
802.1ABcu	LLDP YANG	TG Ballot	Editor's draft	D0.0	TG ballot	Dec '21
802.1CBcv	FRER YANG & MIB	TG Ballot	PAR Approved - May 14		Editor's draft	Dec '22
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	TG Ballot	TG Ballot	D0.2	TG ballot	Dec '21
802.1Qcx	CFM YANG	TG Ballot	TG Ballot	D0.4	TG ballot	Dec '21
802.1AC/cor1	MAC Service	RevCom	Approved - Sep 27	D1.2	Publication	Dec '21
802.1Qcz	Congestion Isolation	PAR approval	PAR approved - Sep 27		Editor's draft	Dec '22
802.1CBdb	FRER (CBcv) extensions	PAR approval	PAR Approved - May 14		Editor's draft	Dec '22
60802 (DA)	Profile for Industrial Automation	TG Ballot	Editor's draft	D0.3	TG ballot	Dec '22
802.1DC	Queuing for non-bridges	PAR approval	PAR Approved - May 14		Editor's draft	Dec '22
802.1X-REV	Port Access Control	WG ballot	Editor's draft	D0.1	WG ballot	Dec '22
802.1Qdd	Resource Allocation Protocol	PAR approval	PAR approved - Sep 27		Editor's draft	Dec '22
802.1CMde	Enhancements for Fronthaul Interface	PAR development	PAR development		PAR approval	
802.1DF	TSN Profile for Service Provider Networks	PAR development	PAR development		PAR approval	
802.1DG	TSN Profile for Automotive Networks	PAR development	PAR development		PAR approval	



# 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
  - IEEE Communications Standards Magazine, June 2018
    - [TSN Feature Topic](#)
    - [Introduction](#) to 7 articles in the feature topic
  - [TSN/A](#) – Stuttgart, September 2018
    - Several presentations and booth

# IEEE-SA Awards

- Standards Medallion
  - For major contributions to standards development, e.g., leadership in standardization of new technologies, achievement of standards development goals, identification of opportunities to better serve the needs of standards users.
- International Award
  - For an individual IEEE and IEEE-SA member who has made an extraordinary contribution to establishing the IEEE-SA as a world-class leader in standardization.
- Emerging Technology Award
  - For an individual, working group, or company that has initiated or advanced a new technology within the IEEE-SA standards development process and has produced a balloted standards document that has market relevance.
- Distinguished Service Award
  - For present and past members of the IEEE-SA Standards Board for meritorious and distinguished service to the IEEE-SA Standards Board and its programs
- Standards Education Award
  - This award is jointly sponsored by the IEEE Educational Activities Board and the IEEE Standards Association. For an individual, company, or organization who has made significant contributions in the area of education about standards.
- Lifetime Achievement Award
  - Presented to an individual whose achievements include:
    - Significant technical contributions to, and an extraordinary career in their field of interest
    - Outstanding service to the IEEE-SA, enabling achievement of its objectives
    - Demonstrated commitment to standards development for at least 15 years

# Standards Project Awards

- Offered to the chairs, Editor and significant contributors after publication
  - New process resulting from GDPR
- Up Next
  - 802.1CM-2018
  - 802.1Q-2018
  - 802.1Qcc-2018
  - 802.1Qcp-2018
  - 802.1AR-2018
  - 802.1Xck-2018
  - 802.1AE-2018

# Motions for EC Consent Agenda

- 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

# Motions for EC Consent Agenda

- [Motion Template](#)
- [Liaison Template](#)
- [Requesting Consent Agenda Items](#)
  - Must be sent to EC by noon Wednesday
    - 802.1AS to Sponsor Ballot conditional
    - 802.1Qcy to RevCom
    - 802.1CF to RevCom conditional
    - 802.1CMde to NesCom
    - 802.1DF to NesCom
    - 802.1DG to NesCom
    - Liaisons (if available)
    - Items to PSDO for information
    - Items to PSDO for adoption
    - Ballot comment response to PSDO

# 802.1 plenary schedule

V2	IEEE 802 PLENARY SESSION Bangkok, Thailand November 11-15, 2018																						
	802.1 tracks and times																						
	SAT	SUN	MONDAY				TUESDAY				WEDNESDAY				THURSDAY				FRIDAY				
07:00-07:30																							
07:30-08:00																							
08:00-08:30	IEEE 802/IETF Leadership meeting		Trk 1 & 2: TSN & 60802	EC	MTN TG				Trk 1: TSN	Trk 2: 60802	Trk 4: SEC	Trk 1: TSN											
08:30-09:00																							
09:00-09:30																							
09:30-10:00																							
10:00-10:30																							
10:30-11:00	Break				Break				Break				Break										
11:00-11:30	Opening 802.1 plenary				Trk 1: TSN	Trk 2: 60802		Trk 4: SEC	Trk 1: TSN	Trk 2: 60802		Trk 4: SEC	Trk 1: TSN		Trk 3: OR								
11:30-12:00																							
12:00-12:30																							
12:30-13:00	Lunch	DetNet/TSN Workshop	Lunch				Lunch (Editors' Meeting)				Lunch				Lunch				Lunch				
13:00-13:30																							
13:30-14:00	Data Centre Workshop		Trk 1: TSN	Trk 2: 60802	Trk 3: OR	Trk 4: SEC	Trk 1: TSN	Trk 2: 60802	Trk 3: OR	Trk 4: SEC	Trk 1: TSN	Trk 2: 60802	Trk 3: OR	Trk 4: SEC	Closing 802.1 plenary				Closing 802 EC				
14:00-14:30																							
14:30-15:00																							
15:00-15:30																							
15:30-16:00		Break				Break				Break				Break									
16:00-16:30																							
16:30-17:00			Trk 1: TSN	Trk 2: 60802	Trk 3: OR	Trk 4: SEC	Trk 1: TSN	Trk 2: 60802		Trk 4: SEC	Trk 1 & 2: TSN & 60802		Trk 4: SEC	Closing 802.1 plenary									
17:00-17:30																							
17:30-18:00																							
18:00-18:30		TG Chairs Mtg	THz Communications Tutorial				Joint 802.24		YANGSTERS				Break				Break						
18:30-19:00	Joint 802.1 & 802.15						Social event																
19:00-19:30	New LMSC P&P Tutorial						802 NEND ICA																
19:30-20:00																							
20:00-20:30																							
20:30-21:00																							
21:00-21:30																							
21:30-22:00																							
22:00-22:30																							

**KEY:**  
 TSN: Time Sensitive Netw'kg  
 60802: IEC/IEEE 60802 JP  
 MTN TG: Maintenance TG  
 SEC: Security  
 OR: OmniRAN

# Sub group agendas

- YANGsters
- Security TG
- TSN TG
- OmniRAN TG
- Maintenance TG
- 802 Network Enhancements IC

# 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 and finalization (NesCom, RevCom, Sponsor Ballot, SC6 – all with supporting information)
  
- Tuesday – 12:30pm – 802.1 management meeting – TG chairs + optionally editors
  - Agenda finalization for Thursday (including TG reports)
  - EC regular motion finalization (liaisons, other)
  - WG motions (calls, meetings, minutes, TG/WG ballots)
  - PAR issues



# YANGsters meetings

- YANG across IEEE 802
  - Communication, Coordination, Mentoring
  - Point of Contact/Center of Expertise for IEEE 802
  
- Tuesday agenda (6-7:30pm)
  - Use of Git Repository
  - Restructure of Git Repository for IEEE YANG
  - YANG Catalog Considerations
  - Guidelines
  - Other Topics – RAC Ethertype
  - Administrative

# Agenda – Security

1. [Response to ISO/IEC JTC1 FDIS ballot comments on ...](#)
  - ... IEEE Std 802.1AEcg-2018
  - ... IEEE Std 802.1AR-2018
  - Monday 2.00 pm, for review in the Maintenance TG and ISO/IEC SC on Tuesday
2. [P802E Privacy \(Recommended Practice ... for 802..\)](#)
  - Task Group ballot resolution (continued)
  - Tuesday 10.30 am (following Maintenance TG), 2.00 pm  
Wednesday 9.00 am, 2.00 pm
  - Privacy in bridged networks (Mick Seaman)
  - Monday pm, Wednesday (as time permits), Thursday (in TSN)
3. [P802.1X-Rev Port-Based Network Access Control](#)
  - Review prior to first ballot
  - Monday pm, Thursday am (in TSN)
4. [A.O.B.](#)
5. [Future meetings/teleconferences](#)

[Draft agenda online at <https://1.ieee802.org/security/security-task-group-agenda/>]

# 802.1 TSN TG Agenda

V3	IEEE 802 PLENARY SESSION Bangkok, Thailand November 11-16, 2018					
	802.1 Time-Sensitive Networking (TSN) TG					
	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRI
07:00-07:30						
07:30-08:00						
08:00-08:30	DetNet - TSN workshop	Whole TSN with IEC/IEEE 60802	MTN	Trk A: 60802	Trk B: PARs, liaisons, P802.1Qcz	Privacy, P802.1Qcr, P802.1Qdd, overflow, new work
08:30-09:00						
09:00-09:30						
09:30-10:00						
10:00-10:30		Break	Break			
10:30-11:00		Opening 802.1 plenary	Trk A: 60802	Trk B: YANG: P802.1Qcx		
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	DetNet - TSN workshop	Trk A: 60802	Trk B: liaisons, expected results, P802.1CS	Trk A: 60802	Trk B: P802.1Qcw, P802.1ABcu, P802.1AS-Rev., P802.1DC P802.1CBdb	Closing 802.1 plenary
14:00-14:30						
14:30-15:00						
15:00-15:30						
15:30-16:00		Break	Break			
16:00-16:30		Whole TSN with IEC/IEEE 60802	802.24 - 802.1 TSN	802.1 - 802.15 joint		
16:30-17:00						
17:00-17:30						
17:30-18:00						
18:00-18:30	Break	Break	Break			
18:30-19:00	802 tutorials	802 tutorials	802.1 - 802.15 joint	Social event	KEY: TSN: Time-Sensitive Networking IEC/IEEE 60802 MTN: Maintenance TG	
19:00-19:30						
19:30-20:00						
20:00-20:30						
20:30-21:00						
21:00-21:30						
21:30-22:00						
22:00-22:30						

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

# OmniRAN Agenda Schedule

	Mon 11/12	Tue 11/13	Wed 11/14	Thu 11/15	Fri 11/16
08:00	802 EC Opening	802.1 Maintenance			802.11 Closing
10:00					
10:30	802.1 Opening Plenary		802.11/802.15 Mid-week Plenaries  (802.1CQ@802.15 WNG)	OmniRAN closing	
12:30					
13:30	OmniRAN opening			802.1 Closing Plenary	802 EC Closing
15:30					
16:00		802.11 ARC  (802.1CQ introduction and discussions)	802.24  (OmniRAN view on 'Network integration' action item)		
18:00					
	Tutorials	Joint 802.1/802.15 ICA NEND			

# OmniRAN Agenda proposal

- Review of minutes
- Reports
- Result of P802.1CF sponsor ballot recirculation
- Comment resolution of P802.1CF sponsor ballot recirculation
- Plan and motions for progressing and project conclusion of 802.1CF
- P802.1CQ contributions and discussions
- Preview of 802.1CQ presentation to 802.11 ARC and 802.15
- Review of 802.1CQ ToC
- Nendica related contributions review
- Potential new project for OmniRAN TG
- Conference calls until March 2019 F2F
- Status report to IEEE 802 WGs
- Next meeting
- AOB

# Maintenance meeting

## Nov 13<sup>th</sup>, 2018 Agenda

- Patents and Guidelines
- Attendees
- [Updated Standard Group MAC Address Table](#) – Mick Seaman
- Issue Status
- New Maintenance items
- Existing Maintenance items
- Comment resolution
  - None
- Liaisons
  - None received
- SC6 comment resolution
  - Discuss response to ISO/IEC/IEEE 8802-1AE:2013/FDAmD 3
  - Discuss response to comments on 802.1AR-Rev
- SC6 status

# Nendica Meeting Plan

- Tuesday, 19:30-22:00
- Detailed agenda:
  - <http://1.ieee802.org/802-nendica/agenda-ieee-802-nendica-meeting/>
- Key meeting topics:
  - **Work Item: Flexible Factory IoT**
    - Continue comment resolution
  - Work Item: Lossless Network for Data Centers
    - Discuss IEEE-SA publicity for the report
  - Any new proposed topics
  - Discuss renewal plans, past March 2019
  - Future meetings
    - Teleconferences
    - January meeting
      - Hope to join wireless interim (St Louis) and 802.1 interim (Hiroshima, Wednesday 2019-01-16 10:30)

*Any other business?*