802.1 Plenary – July 2017 Berlin, Germany

Opening Agenda

Glenn Parsons – IEEE 802.1 WG Chair
glenn.parsons@ericsson.com

Plenary Agenda

- Call for Patents
- Administrative
- Membership
- Website
- Future Meetings
- EC topics
- PARs this week
- Liaisons
- Sanity check – current projects
- TG agendas

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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.

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(Optional to be shown)

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**

15 March 2015

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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

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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

15 March 2015

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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.

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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

Berlin Logistics

- Food & Beverage Daily
  - Water stations in Estrel Hall
  - Continental Breakfast: included in hotel room rate
  - Morning Coffee/Tea: 10:00 AM to 11:00 AM
  - Lunch   12:00 PM to 1:00 PM
  - Afternoon Coffee/Tea & Desert: 3:00 PM to 4:00 PM
- Social Cruise on the canal
  - Confirmed or purchased social tickets **must pick up wristbands and drink tickets** from Registration Desk between Monday noon and Tuesday 4pm
  - Wednesday 6:15pm & 6:30pm   Estrel Beer Garden
- Event updates
  - Hotel Map   Additional info: http://802world.org/attendee
  - 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 (49):

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
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, Hao
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 <u>become</u> voting members when/if they show up here this week:

None

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:

Baek, SeoYoung
Ellegard, Lars
Gravel, Mark
Huang, Jing
Huang, Lu
Hung, Soar
Koto, Hajime
Marks, Roger

Ohsawa, Tomoki
Regev, Alon
Sato, Atsushi
Ting, Ao
Wang, Tongtong
Wu, Yanwei

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

Gray, Eric
Ryytty, Eero

The following have requested to withdraw from voting membership:

Jeffree, Anthony

The following will <u>lose</u> voting member status for insufficient letter ballot return, unless they are active:

Several voters…

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.

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802.1 website update

- WordPress on IEEE server
  - Paul Unbehagen is leading
- Phase I
  - consolidate all current web pages/servers
  - distribute page change control to TG chairs and project editors
  - Go live after July plenary
- Phase II
  - move document storage to (new) mentor
- Editors session to review
  - Monday 6:15pm

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Future interim meetings

- September 5-8, 2017
  - St. John's, Newfoundland
- January 22-26, 2018
  - ITU-T in Geneva, Switzerland
- May 21-25, 2018
  - Ethernet Alliance
- September 10-13(14?), 2018
  - Transpacket in Oslo, Norway
- Jan, May, Sept 2019
  - Hosts welcome.

Future plenaries

- November 5-10, 2017 – Orlando, FL USA
  - Caribe Royale

- 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

- March 10-15, 2019 – Vancouver, BC, Canada
- July 14-19, 2019 – Vienna, Austria
- November 10-15, 2019 – Waikoloa, HI, USA

Meeting time

- 5 day Interims from January 2018
- 5 day options for plenaries
  - Sunday to Thursday
    - Add pre-meeting on Sunday
  - Monday to Friday
    - Closing plenary on Friday morning
    - Mid-week plenary Wednesday
  - Status quo
- Reorganize task groups?
  - Split some work out of TSN…

802 EC report – Plenary #116

- Fellowship program in July (EC-17-126)
  - 4 regulators from India, Burkino Faso, Senegal & Uganda
- 802 Task Force
  - Tools discussion (executive session)
- P&P, WG & CG change proposals (EC-17-121)
  - CFI and tutorials do not require registration/badges
  - New visa request process
- Venues (EC-17-122)
  - Reviewing options for 2020/2021
- Treasurer (EC-17-124)
  - Vancouver loss was $50k
  - Surplus on 2016 - $300k (to $1.6M)
  - Projected 2017 budget - $200k loss

EC meetings this week

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

Tue 07:00-09:00 – Open Source
Tue 13:30-15:30 802/JTC1/SC6 Standing Committee

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

Thu 07:30-08:00 Plenary venue space allocation planning
Thu 08:00-09:00 Future venue planning
Thu 09:00-10:00 802 Chair's Open Office hour
Thu 11:30-12:30pm IEEE 802 Task Force

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

myProject update

- 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

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IEEE Open Source offering

- Summary (including CLA)
  - https://mentor.ieee.org/802-ec/dcn/17/ec-17-0103-00-00SA-ieee-open-source-offering.pdf

- Proposal is that all standards that include source code (YANG, MIB, etc) will be required to develop the code as open source
  - Is this OK?

- There is a call for additional trial participants
  - Does 802.1 want to move the YANG projects to be an open source trial?

Public Review

- Starting on 6 July 2015, all eligible projects where a Sponsor ballot is initiated will also have a Public Review period initiated simultaneously.
  - https://publicreview.standards.ieee.org
  - Staff will transfer any comments to myBallot
- Status
  - No comments
- Questions? **FAQ**

Email ballots (ePoll)

Start - End	ePoll Name	Topic	Votes [A/D/-]	Vote
18-May-2017 00:00:00 ET	12 - liaison MEF & ITU-T	Motion: 802.1 approves the liaison letter to MEF Forum and ITU-T SG15: http://www.ieee802.org/1/files/public/docs2017/liaison-response-CFM-YANG-0517-v01.pdf Moved: Jessy Rouyer Second: Janos Farkas	34/0/1	Approve

PARs this week

- ☐ **802.1 PARs**
  - 802.1ABcu - Amendment: LLDP YANG Data Model PAR and CSD
  - 802.1ACct - Amendment: Support for IEEE Std 802.15.3 PAR and CSD
  - 802.1AS-Rev - Timing and Synchronization for Time-Sensitive Applications PAR Modification Request
  - 802.1CBcv - Amendment: Information Model, YANG Data Model and Management Information Base Module PAR and CSD
  - 802.1Qcc - Stream Reservation Protocol (SRP) Enhancements and Performance Improvements PAR extension
  - 802.1Qcw - Amendment: YANG Data Models for Scheduled Traffic, Frame Preemption, and Per-Stream Filtering and Policing PAR and CSD
  - 802.1Qcx - Amendment: YANG Data Model for Connectivity Fault Management PAR and CSD
  - 802.1AE - Standard for Local and Metropolitan Area Networks: Media Access Control (MAC) Security Maintenance PAR

- ☐ **Other WG PARs:**
  - 802.3bt - Amendment: DTE Power via MDI over 4-Pair PAR Extension Unmodified CSD

802 Industry Connections

- IEEE 802 network enhancements for the next decade http://standards.ieee.org/about/sasb/iccom/IC17-001-01_IE.pdf
  - 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 under 802 P&P 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): **Practical PoE**   Presentation
    - Chris DiMinico, MC Communications / Panduit
    - Chad Jones, Cisco
    - Ron Nordin, Panduit
    - Lennart Yseboodt, Philips Lighting

Tutorial #2 (7:30–8:50 pm): **An Overview on High-Speed Optical Wireless/Light Communications** Presentation
    - Nikola Serafimovski , pureLiFi
    - Volker Jungnickel , Fraunhofer HHI
    - Yeong Min Jang , Kookmin University
    - John Li Qiang, Huawei

- Tutorial #3 (9:00–10:30 pm):   **IEEE 802 Ethernet Networks for Automotive**   Presentation
    - Steven B. Carlson, High Speed Design, Inc.
    - Natalie Wienckowski, GM
    - George Zimmerman, CME Consulting
    - Mike Potts, GM
    - Don Pannell, Marvel
    - Norm Finn, Huawei
    - Mick Seaman, Independent
    - Janos Farkas, Ericsson

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Liaisons within 802

- Joint meetings
  - Tues 18:30 – 19:30 – 802.1, 802.15
- IEEE 802 JTC1 standing committee meetings
  - Tuesday (ballots) & Thursday (liaison) PM1
- IEEE 802 ITU standing committee
  - JCA IMT-2020 summary
  - Wednesday 8am
- IEEE 802 IETF standing committee
  - https://www.iab.org/activities/joint-activities/iab-ieee-coordination/
  - Tuesday PM1
  - Face-to-Face Meeting in Prague this Saturday
- IEEE 802 task force
  - Thursday 10:30am

Incoming Liaisons

- Maintenance:
  - ITU-T SG15 LS48 on OTNT
    http://www.ieee802.org/1/files/public/docs2017/liaisons-ITUT-SG15-LS48_OTNT_workplan-0717.zip
  - IETF – LLC for long frames
    http://www.ieee802.org/1/files/public/docs2017/liaison-ietf-Ethertype-for-long-LLC-frames-0617.txt

- TSN:
  - ITU-T SG15 – full timing support for 802.1CM
    http://www.ieee802.org/1/files/public/docs2017/liasons-ITUT-SG15-LS51_full_timing_support-0717.zip
  - ITU-T SG15 – CFM YANG
    http://www.ieee802.org/1/files/public/docs2017/liaison-ITUT-SG15-LS43_CFM_YANG-0717.pdf
  - ITU-T SG15 – 5G transport
    http://www.ieee802.org/1/files/public/docs2017/liasons-ITUT-SG15-LS54_5G_transport-0717.pdf
  - CPRI update
    http://cpri.info/press.html
  - ODVA – document request
    http://www.ieee802.org/1/files/public/docs2017/liaison-ODVA-802.1-Liaison-Request-0617.pdf

- Plenary (for information):
  - BBF – FlexE
    http://www.ieee802.org/3/minutes/may17/incoming/BBF_to_IEEE_802d3_May_2017.pdf

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Sanity check – current workload

Project	Subject	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1CB	Frame Replication and Elimination	RevCom - cond	RevCom - Sept 7	D2.8	Publication	Dec '17
802.1Qcc	SRP enhancements & performance improvements	WG ballot	WG ballot	D1.5	WG ballot	Dec '17
802.1ARce	AR: SHA-384 and P-384 Elliptic Curve	withdrawal	Withdrawn - June 15			Dec '18
802.1CF	Access network (OmniRAN)	TG ballot	TG ballot	D0.5	TG ballot	Dec '18
802.1AEcg	Ethernet data encryption devices	RevCom	Published - May 19	D1.6		Dec '18
802.1Qch	Cyclic queueing and forwarding	RevCom	Approved - May 18	D2.2	Publication	Dec '19
802.1AS-REV	Time synch enhancements	WG ballot	WG ballot	D5.0	WG ballot	Dec '19
802c	Local Address space	RevCom	Approved - June 15	D2.1	Publication	Dec '19
802.1Qci	Per Stream Filtering & Policing	RevCom	Approved - Feb 14	D2.0	Publication	Dec '19
802.1Qcj	Auto Attach to PBB	TG Ballot	Editor's draft	D0.1	TG Ballot	Dec '19
802.1Xck	802.1X YANG data model	WG ballot	WG ballot	D1.1	WG ballot	Dec '19
802.1CM	Profile for Fronthaul	TG Ballot	TG Ballot	D0.7	WG ballot	Dec '19
802.1Qcn	EVB VDP extension	TG Ballot	Editor's draft	D0.4	TG Ballot	Dec '19
802.1Qcp	802.1Q YANG data model	WG ballot	WG ballot	D1.1	WG ballot	Dec '19
802d	URN Namespace	RevCom	Published - Mar 31	D1.2		Dec '19
802E	Privacy	TG ballot	Editor's draft	D0.7	TG Ballot	Dec '19
802.1AX/Cor1	Tech and ed corrections	RevCom	Published - Mar 28	D0,6		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	Editor's draft	D0.1	TG ballot	Dec '20
802.1CS	LRP	NesCom	Editor's draft	D0.0	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 - cond	WG ballot	D2.0	Sponsor Ballot	Dec '21
802.1Q-REV	Bridges and Bridged Networks	WG ballot	WG ballot recirc	D1.2	Sponsor Ballot	Dec '20
802.1AE-REV	MAC security	PAR development			PAR approval	
802.1ACct	support for 802.15.3	PAR development			PAR approval	
802.1ABcu	LLDP YANG	PAR development			PAR approval	
802.1CBcv	FRE YANG & MIB	PAR development			PAR approval	
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	PAR development			PAR approval	
802.1Qcx	CFM YANG	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
  - Deterministic Ethernet Forum – April, Vienna
    - Lead exhibitor
  - TSN/A – September, Stuttgart
    - ???

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

Motions for closing 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)
  - Possible if material sent by noon Wednesday

802.1 plenary schedule

V2	IEEE 802 PLENARY SESSION Berlin, Germany July 10-14, 2017				
	802.1 tracks and times				

	SUN	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
07:00-07:30						
07:30-08:00						
08:00-08:30		Trk 1: TSN / EC	MTN TG	Trk 1: TSN / Trk 2: DCB / ITU SC	Trk 1: TSN	
08:30-09:00						
09:00-09:30				Trk3 SEC		
09:30-10:00						
10:00-10:30		Break	Break	Break	Break	
10:30-11:00		Opening 802.1 plenary	Trk 1: TSN / Trk 4: SEC	Trk 1: TSN / Trk 2: DCB / Trk 4: SEC	Trk 1: TSN / Trk 3: OR	
11:00-11:30						
11:30-12:00						
12:00-12:30						Lunch
12:30-13:00		Lunch	Lunch	Lunch	Lunch	
13:00-13:30						
13:30-14:00		Trk 1: TSN / Trk 4: SEC	Trk 1: TSN / Trk 4: SEC	Trk 1: TSN / Trk 2: DCB / 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		
16:00-16:30		Trk 1: TSN / Trk 3: OR / Trk 4: SEC	Trk 1: TSN / Trk 3: OR / Trk 4: SEC	Trk 1: TSN / Trk 2: DCB / Trk 3: OR 5G / Trk 4: SEC		
16:30-17:00						
17:00-17:30						
17:30-18:00						
18:00-18:30		802.1 Editors Meeting	Break	Break	Break	
18:30-19:00			Joint .1/.15	Social event		**KEY:**
19:00-19:30						
19:30-20:00		Tutorials	Industry Connections - 802 network enhancements			**TSN: Time Sensitive Netw'kg**
20:00-20:30						**MTN TG: Maintenance TG**
20:30-21:00						**SEC: Security**
21:00-21:30						**DCB: Data Center Bridging**
21:30-22:00						**OR: OmniRAN**

TG agendas

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

Agenda - Security

1. P802.1AE-Rev (MAC Security) PAR (roll-up)
   - For 802.0 approval (submit to RevCom) already pre-circulated
2. P802.1Xck (Port-Based Network Access Control – YANG Data Model)
   - Finalize 1st WG Ballot Resolution, WG ballot starting this meeting Monday pm
3. P802.1AR-Rev (Secure Device Identity)
   - For 802.0 approval (forward to Sponsor Ballot)
4. P802E Privacy (Recommended Practice .. Privacy .. for IEEE 802 …)
   - No work at this meeting, TG ballot complete, next step resolution telecon
5. JTC1 SC6 SC participation Tuesday pm1, Thursday pm1
6. A.O.B
   - Security in the Car Tuesday am2, Wednesday am
7. Future meeting/teleconferences

Task Group will meet Monday pm through Thursday am
Starting: Tuesday, after Maintenance and joint YANG session
          Wednesday, Thursday 9.00 am

IEEE 802.1 TSN TG Agenda, July, 2017

8:00

Monday	Tuesday	Wednesday	Thursday
Qcc SRP&Conf.	Maintenance	New PARs, AX-Rev LAG,	Liaisons out, RAP, TSN config roadmap
Opening Plenary	Qcp YANG, AX-Rev LAG		
lunch break			
TSN promotion, Liaisons in, CM Fronthaul, Qcr ATS	AX-Rev LAG, AS-Rev gPTP	AS-Rev gPTP, CS LRP, New PAR ctrb.	Closing Plenary
		802.24 – TSN	

~6pm

802 tutorials	802.15 – 802.1	social
	ICAID	

- Note that the agenda is subject to change, e.g., depending on progress etc.
- TSN agenda details: http://www.802tsn.org/agenda

OmniRAN Agenda for July 2017

- Review of minutes
- Reports
- Comment resolution on P802.1CF-D0.5
- New content for P802.1CF
  - 7.9 Data model
  - Amendments to existing chapters
- Plan for going WG ballot w/ 802.1CF-D0.6 draft
- Potential input to 802.1 Industry Connections
- Conference calls until Sept F2F
- Motions to 802.1 closing plenary
- Status report to IEEE 802 WGs
- AOB

OmniRAN TG - July 2017 Agenda

	Mon 7/10	Tue 7/11	Wed 7/12	Thu 7/13	Fri 7/14
08:00 – 10:00	802 EC Opening	802.11 WNG	802.11 ARC		802.11 Closing
10:30 – 12:30	802.1 Opening Plenary		802.11/802.15 Mid-week Plenaries	OmniRAN closing	
13:30 – 15:30				802.1 Closing Plenary	802 EC Closing
16:00 – 18:00	OmniRAN opening				
	Tutorials	Joint 802.1/802.15			
		ICA Kick off			

Maintenance
July 11th, 2017 Agenda

- Patents and Guidelines
- Attendees
- Status
- Comment resolution
  - None
- New Maintenance items – if time is available
  - 0188: transmission selection
  - 0191: Introduction items for P802.1Qbv and P802.1Qbu
  - 0192: References in clause 5.13.1, item n) not clickable
  - 0193: Clarification of points in time for scheduled traffic
- Existing Maintenance items
- Liaisons
  - ITU-T OTNT work plan
  - IETF LLC for long frames
- SC6 comment resolution
- SC6 status

DCB & Addressing Agenda

Meeting Wed 0800 - 1600 in 30210
(Tower 3, 2nd floor)

Resolution of publication issue for IEEE 802c
P802CQ
P802.1Qcn IETF comments

802 Network Enhancements IC

- Introductions
- Background (the origins of this IC Activity)
- Project Objectives/Scope
- Participant Expectations
- Project Plan / Contributions
  - Automotive, Industry Automation, etc.
- Communications Plan
  - (information sharing, meetings, schedule, etc.)
- Actions/Next Steps

Any other business?