802.1 Plenary – July 2015 Waikoloa, Hawaii, USA

Opening Agenda

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

Decorum

- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (SASB Ops Manual 5.3.3.5)
- Photography or recording by permission only (SASB Ops Manual 5.3.3.4)
- Cell phone ringers off please

General information on 802.1...

- See :

http://www.ieee802.org/1/files/public/minutes/802-1-general-info-v3.pdf

- 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

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

Waikoloa Logistics

- **Guest WiFi:** 2015IEEE802

- **Food & Beverage Daily –** Grand Promenade, Lagoon Lanai
  - Continental Breakfast: 7:30 AM to 9:00 AM
    - Big Island Breakfast option - $25
  - Morning Coffee/Tea: 10:00 AM to 11:00 AM
  - Lunch: 12:00 PM to 1:30 PM
  - Afternoon Coffee/Tea/Snacks: 3:00 PM to 4:00 PM

- **Social Event –** ***sold out*** - Kamehameha Court
  - casual reception with Hawaiian entertainment.
  - Wednesday July 15th   7:00 PM – 9:30 PM

- **Event updates**
  - QR codes for schedule & space posted outside meeting rooms
  - Twitter @IEEE802

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.

(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**

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.
  - Point attendees at 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

802.1 officers

- Officers
  - Chair: Glenn Parsons
  - Vice Chair: John Messenger
  - Recording Secretary: Eric Gray
  - Security TG Chair: Mick Seaman
  - Interworking TG Chair: Steve Haddock
  - TSN TG Chair: Michael Johas Teener
  - Data Center Bridging TG Chair: Pat Thaler
  - OmniRAN TG Chair: Max Riegel
  - Local Address SG Chair: Steve Haddock
  - Maintenance of website: John Messenger
  - Maintenance of Email exploder: Hal Keen
- Website
  - http://www.ieee802.org/1/

Duties of voting members

- Active participation in the work of the WG, and in particular, active participation in WG ballots.
  - Active is 2 of last 3 ballots
- If you do not feel able to commit to doing that work, please reconsider whether it is appropriate to become a voter.
- In order for our work to progress, we are required to gain a 50% voter response rate in WG ballots

The following are 802.1 voters:

Boiger, Christian
Bottorff, Paul
Chen, David
Chen, Feng
Cheng, Weiying
Cummings, Rodney
Diarra, Aboubacar Kader
Farkas, Janos
Finn, Norman
Garner, Geoffrey
Ghanwani, Anoop
Gray, Eric
Gunther, Craig
Haddock, Stephen
Hitt, Jeremy
Hussain, Rahil

Jeffree, Anthony
Johas Teener, Michael
Jones, Peter
Keen, Hal
Kehrer, Stephan
Kiessling, Marcel
Klein, Philippe
Korhonen, Jouni
Mack-Crane, Ben
McIntosh, James
Messenger, John
Multanen, Eric
Pannell, Donald
Parsons, Glenn
Pienciak, Walter
Randall, Karen
Riegel, Maximilian

Romascanu, Dan
Rouyer, Jessy
Saltsidis, Panagiotis
Seaman, Michael
Sexton, Daniel
Specht, Johannes
Steiner, Wilfried
Tabatabaee, Vahid
Thaler, Patricia
Touve, Jeremy
Unbehagen, Paul
Weber, Karl
Weis, Brian
Woods, Jordon
Zinner, Helge
Zuniga, Juan-Carlos

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

Hantel, Mark

Li, Yizhou

Ryu, Cheol

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:

Bragg, Nigel

Edge, Bob

Estes, David

Huang, Lu

Lin, Juitse

Nakano, Hiroki

Noseworthy, Bob

Samii, Soheil

Sato, Atsushi

Thornburg, David

Walter, Todd

Welch, James

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

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 will now get a popup in IMAT each time they register attendance to ask which group they are accumulating credit for this plenary.

- Trial for July plenary

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

Join Me

- IEEE-SA provided web conferencing
- Each IEEE 802 WG has one account
  - http://join.me/802.1
  - Ask chair for password

Future interim meetings

- September 8-11, 2015
  - Santa Cruz, CA
  - Michael Johas Teener – Broadcom
    - http://www.ieee802.org/1/files/public/docs2014/admin-mjt-2015-09-interim-1114.pdf
  - Dream Inn – US$215
  - Meeting fee US$500
- January 18-21, 2016
  - 802-sponsored Interim - Atlanta, GA
  - Hyatt Regency Atlanta - US$179
  - Early registration (US$500)

- Proposals
  - May 23-26, 2016
    - Budapest, HU
    - Janos Farkas – Ericsson
      - http://www.ieee802.org/1/files/public/docs2015/admin-farkas-Budapest-0515.pdf
  - September 2016
    - York, UK
    - John Messenger – ADVA Optical Networking
      - http://www.ieee802.org/1/files/public/docs2015/admin-messenger-sep16-york-meeting-0715-v02.pdf

802 EC report

- 802.11 25th anniversary – 11am Wednesday plenary
- Patent Policy
  - New revision in force March 15, 2015, tutorial tonight
- WG P&P proposals – (EC-14-87)
  - Alignment with baseline
  - Ongoing Issues: fiduciary duty, liaison officials, ¾ -> 2/3 approval,
  - Resolved: roster, electronic + live meetings, no roll call votes, maximum abstention rate
- Future Venues
  - 2018 – 2020 venues in evaluation
- Treasurers report
  - reserve at $1M
  - January interim surplus - $100k;   March plenary loss - $70k; July plenary loss $140k (mostly F&B)
  - IEEE Financial reporting issue (EC-15-53)
- Get 802 proposal (EC-15-49)
  - Ask from July 2014 plenary – all standards and work in progress have free access
  - 6 year implementation plan proposed by IEEE-SA
  - New "status quo" proposal (for discussion this week)
- My Project suite redesign
  - November 2015 user review, Mid-2016 rollout
- EC Standing Committees
  - Wireless Chairs standing committee (EC-15-37): Bob is chair
  - JTC1 standing committee (11-15-794): Andrew Myles as chair   -- New Central Desktop FDIS tracking
  - ITU standing committee (EC-15-58): Glenn is chair.
  - IETF standing committee: Pat is chair.

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
- The public review **presentation slides** are online.
  - On-demand video recordings of the **Overview,** the **Public Review Sponsor Training walkthrough**, and the **Public Reviewer Training walkthrough** are also available.
- Questions? **FAQ**, or ask Kathryn Bennett…

Email ballots (ePoll)

9-May-2015	4 - SC6 Comment	Motion: Forward the pre-ballot comment responses on IEEE Std 802.1Q and IEEE Std 802.1Xbx to ISO/IEC JTC1 SC6. http://www.ieee802.org/1/files/public/docs2015/liaison-randall-SC6response1Qand1Xbx-0415-v01.pdf Moved: Karen Randall Seconded: Mick Seamen	liaison-randall-SC6response1Qand1Xbx-0415-v01.pdf	30-May-2015 23:59:59 ET	26/0/0	Approve

PARs this week

- ## 802.1 PARs:
  - 802.1CM- Standard: Time-Sensitive Networking for Fronthaul, PAR and CSD
  - 802.1Qcl- Amendment, YANG Data Model, PAR and CSD
  - 802.1Qcn- Amendment, VSI/VDP extensions for NVO3, PAR and CSD
  - 802.1Xck- Amendment, YANG Data Model, PAR and CSD

- ## Other WG PARs:
  - Privacy Recommendation EC Study Group - Recommended Practice, Privacy Considerations for IEEE 802 Technologies, PAR (pdf) and PAR / CSD (PPTx)
  - 802.3bq- Amendment, Addition of 25GBASE, PAR Modification Request and CSD
  - 802.11az- Amendment: Positioning Enhancements, PAR and CSD
  - 802.15.3- Revision, PAR and CSD
  - 802.15.9- Amendment, Recommended Practice for Transport of Key Management Protocol (KMP) Datagrams, PAR Modification and 5C
  - 802.19.1a - Amendment, Coexistence Methods for geo-location capable devices operating under general authorization, PAR and CSD.

- http://grouper.ieee.org/groups/802/PARs.shtml

Privacy EC SG

- [Report](#) from Juan-Carlos Zuniga

Tutorials – Monday

- ## Tutorial #1 (6:00–7:30 pm): 802.11 as a Component
  - Presentation
    - Adrian Stephens, Intel
    - Dick Roy, SRA
    - Max Riegel, Nokia Networks

- ## Tutorial #2 (7:30–9:00 pm): IEEE-SA 2015 patent policy update
  - Presentation
    - Bruce Kraemer, Marvell Semiconductor Inc.
    - Paul Nikolich, YAS Broadband Ventures LLC, Samsung, Silver Spring Networks, Huawei, Intel, HP
    - David Law, Hewlett Packard
    - Michael Lindsay, Dorsey & Whitney LLP / IEEE

Liaisons within 802

- Joint meetings
  - Tues 10 – 18– Interworking/TSN
  - Tues 18 – 19 – 802.1 – 802.15.10 – L2 Routing
  - Thurs 8-10 802.1 -802.11ak/802.11 ARC – Bridging issues
  - Thurs 10-12 802.1 -802.3br – IET
- Privacy EC SG
  - Tues EVE, Wed PM & Thurs AM
- IEEE 802 JTC1 standing committee meetings
  - Tuesday & Thursday PM1
- IEEE 802 ITU standing committee
  - Wednesday 8am
- IEEE 802 IETF standing committee
  - Monday 3:30 pm
- IEEE 802 task force
  - Thursday 10:30am

Incoming Liaisons

- **Maintenance:**
  - ITU-T SG15-LS258: LS on ITU-T SG15 OTNT standardization work plan
    http://www.ieee802.org/1/files/public/docs2015/liaison-SG15-LS258-OTNT_workplan-0715.zip

- **Interworking:**
  - ITU-T SG15-LS268: LS on initiation of Approval process for revised Recommendations ITU-T G.8013/Y.1731 and Corrigendum 1 to Recommendation ITU-T G.8021/Y.1341
    http://www.ieee802.org/1/files/public/docs2015/liaison-SG15-LS268-G.8013_G.8021-0715.zip
  - ITU-T SG15-LS272: LS on request for clarification on IEEE STD 802.1AX (2014)
    http://www.ieee802.org/1/files/public/docs2015/liaison-SG15-LS272-802.1AX-0715.docx

- **TSN**
  - ITU-T SG15-LS264: LS/r on fronthaul (reply to IEEE-802.1-LS023)
    http://www.ieee802.org/1/files/public/docs2015/liaison-SG15-LS264-fronthaul-0715.zip
  - ITU-T SG13 on new Focus Group for IMT-2020
    http://www.ieee802.org/1/files/public/docs2015/liaison-SG13-LS107-IMT2020-0515.zip
  - CPRI on 802.1CM PAR comments
    http://www.ieee802.org/1/files/public/docs2015/liaison-CPRI-answer-to-IEEE802dot1-0415.pdf
  - IEEE 1588 on time improvements
    http://www.ieee802.org/1/files/public/docs2015/liaison-1588-request-802-3-time-improvements-0415.pdf

- **DCB**
  - IETF – NVO3 collaboration
    http://www.ieee802.org/1/files/public/docs2015/liaison-IETF-VDP-Requirement-for-NVo3-0515.pdf

CPRI Cooperation

- **TSN call with CPRI Cooperation participation - June 17th**
  - IEEE 802 overview:
    - http://www.ieee802.org/1/files/public/docs2015/admin-newcomer-orientation-for-CPRI-0615.pdf
  - 802.1CM summary:
    - http://www.ieee802.org/1/files/public/docs2015/new-cm-farkas-scope-0615.pdf

- **Ways of collaborating**
  - Join the 802.1 mailing list
  - Participate at 802.1 meetings
  - Participate on conference calls
  - Exchange of liaisons

IETF (IAB & IESG) – IEEE 802 Coordination

- https://www.iab.org/activities/joint-activities/iab-ieee-coordination/
  - 13 current open items, including:
    - BIER
    - NVO3
  - Next potential meeting – Jan 2016

Sanity check – current workload

Project	Subject	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1Qbu	Frame preemption	WG Ballot	WG ballot recirc	D2.3	WG ballot recirc	Dec '16
802.1Qbv	Scheduled traffic	Sponsor Ballot	WG ballot	D2.2	WG ballot recirc & sponsor	Dec '16
802.1Qbz	802.11 Bridging	Sponsor Ballot	WG ballot recirc	D2.1	WG ballot recirc & sponsor	Dec '16
802.1Qca	SPB Path Control and Reservation	Sponsor Ballot	Sponsor Ballot recirc	D2.1	Sponsor Ballot recirc	Dec '16
802.1CB	Frame Replication and Elimination	TG ballot	TG ballot	D1.1	TG ballot	Dec '17
802.1AC-REV	MAC service	WG ballot	WG ballot recirc	D2.1	WG ballot recirc	Dec '17
802.1Qcc	SRP enhancements & performance improvements	TG ballot	TG ballot	D0.4	TG ballot	Dec '17
802.1ARce	AR: SHA-384 and P-384 Elliptic Curve	TG ballot	Editor's draft	D0.7	TG ballot	Dec '18
802.1CF	Access network (OmniRAN)	PAR approved	PAR approved	-	Editor's draft	Dec '18
802.1AB-REV	Station and MAC Connectivity Discovery	TG ballot	WG ballot recirc	D0.2	WG ballot	Dec '18
802.1AEcg	Ethernet data encryption devices	TG ballot	TG ballot	D0.5	TG ballot	Dec '18
802.1Qch	Cyclic queueing and forwarding	PAR approved	PAR approved	-	Editor's draft ???	Dec '19
802.1AS/Cor2	Tech and ed corrections	Sponsor Ballot	Sponsor Ballot	D2.0	Sponsor Ballot	Dec '18
802.1AS-REV	Time synch enhancements	TG Ballot	TG Ballot	D1.0	TG Ballot	Dec '19
802c	Local Address space	PAR approval	PAR approval		Editor's draft	Dec '19
802.1Q/Cor1	Tech and ed corrections	WG ballot	WG ballot recirc	D0.3	Sponsor Ballot	Dec '19
802.1Qci	Per Stream Filtering & Policing	PAR approval	Editor's draft	D0.0	TG Ballot	Dec '19
802.1Qcj	Auto Attach to PBB	PAR approval	PAR approval		Editor's draft	Dec '19
802.1Xck	802.1X YANG data model	PAR precirculation	PAR precirculation		PAR approval	
802.1CM	Profile for Fronthaul	PAR precirculation	PAR precirculation		PAR approval	
802.1Qcn	EVB VDP extension	PAR precirculation	PAR precirculation		PAR approval	
802.1Qcp	802.1Q YANG data model	PAR precirculation	PAR precirculation		PAR approval	
802d	Local Address protocol	PAR precirculation	PAR development		PAR precirculation	
802E	Privacy	PAR precirculation	PAR precirculation		PAR approval	

Promotion

- We are doing a lot of good work
- Are we promoting this adequately to the industry?
- We can do more:
  - Leverage IEEE-SA marketing
    - IOT, Smart Car, Smart Cities, etc.
  - Issue press releases
    - Start of PAR, Final approval
    - Editors are asked to propose…

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Committee Organization

TG agendas

- Security TG
- Interworking TG
  - Local Address SG
- TSN TG
- OmniRAN TG
- Maintenance TG
- Data Center Bridging TG

Security TG

0. Patent Policy

1. Responses to comments received on proposed PAR for P802.1Xck Amendment YANG data model

2. Comments on proposed Privacy PAR

3. JTC1 Standing Committee participation

4. A.O.B.

Interworking Task Group Agenda
Preliminary – Subject to change

	Mon 7/13/15	Tues 7/14/15	Wed 7/15/15	Thurs 7/16/15
Morning	**Opening Plenary**	**Maintenance (8:00-10:00) AB-REV LLDP D0.2 WG** (Jeffree) **Joint mtg: IW + TSN**	**Qbz WWB D2.1 WG** (Finn)	**Joint mtg: .1 + .11** (8:00-10:00) **New Work** (64-48 Bridging Sarikaya ; AX-Cor Haddock)
Afternoon	**Qca PCR D2.1 SB** (Farkas) **AC-REV MAC Service D2.1 WG** (Messenger)	**Joint mtg: IW + TSN**	**Liaisons** **Local Address** () **Qcj AA D-- TG** (Romascanu)	**Closing Plenary**

TSN TG

Name or subject of presentation	Presenter / Affiliations	Length	Link
Mon 0800-1100 TSN meeting (time-sync - AS-Rev/Cor2) - allocated 180 minutes		**180**	
Administrivia (patent policy, agenda bashing, etc)	Michael Johas Teener / Broadcom	15	
Short discussion on 802.3/802.1/1588 joint work on time stamp services	Michael Johas Teener / Broadcom	10	
802.1AS-Cor2 sponsor ballot comment resolution	Geoff Garner / Broadcom, Hirschmann, Marvell, Siemens	20	http://www.ieee802.org/1/files/private/as-cor-2-drafts/d0/802.1AS-cor-2-d0-0.pdf
Qci PAR modification (Qci / Qch project merger)	Tony Jeffree / Broadcom, HP	30	http://www.ieee802.org/1/files/public/docs/2015/Qci-PAR-modification-0615-v01.pdf http://www.ieee802.org/1/files/public/docs/2015/Qci-csd-0615-v01.pdf
Qci / Qch project merger ... decision is deferred until we are further along in developing both projects			
802.1AS-Rev/D1.0 comment resolution (part 1)	Geoff Garner / Broadcom, Hirschmann, Marvell, Siemens	105	http://www.ieee802.org/1/files/private/as-rev-drafts/d1/802.1AS-rev-d1-0.pdf http://www.ieee802.org/1/files/private/as-rev-drafts/d1/802.1AS-Rev-d1-0-edits.pdf
Mon 1100-1300 IEEE 802.1 opening plenary			
Mon 1400-1800 TSN meeting (time-sync - ASRev/Cor2) - allocated 240 minutes		**240**	
802.1AS-Rev/D1.0 comment resolution (part 2)	Geoff Garner / Broadcom, Hirschmann, Marvell, Siemens	195	
BMCA for 1AS-Rev	Feng Chen / Siemens AG	45	
Tue 0800-1800 Joint IWK/TSN (path reservations, time-sensitive forwarding and filtering) - allocated 480 + 60 minutes		**240**	
802.1Qcs status	János Farkas / Ericsson	10	
802.1Q YANG	Marc Holness / Ciena	30	
Proposal for sequence recovery algorithm	Norm Finn / Cisco	30	http://www.ieee802.org/1/files/public/docs/2015/cb-nfinn-sequence-recovery-0715-v01.pdf
YANG/MIB, not ISIS, for central control protocol	Norm Finn / Cisco	45	http://www.ieee802.org/1/files/public/docs/2015/cc-nfinn-central-config-0615-v03.pdf
Qcc - next steps	Marcel Kießling / Siemens AG	45	
P802.1CB situation	Norm Finn / Cisco	60	http://www.ieee802.org/1/files/private/cb-drafts/d1/802.1CB-d1-1.pdf
802.1Qcc D0.4 ballot comments	Rodney Cummings / National Instruments	120	http://www.ieee802.org/1/files/private/docs/2015/cc-cummings-d04-comments-mini-0715-v01.pdf http://www.ieee802.org/1/files/private/cc-drafts/d0/802.1Qcc-d0-4.pdf http://www.ieee802.org/1/files/private/cc-drafts/d0/802.1Qcc-d0-4-informative-v01.zip
Wed 0800-1800 TSN (shapers, SRP improvements, more time-sync) - allocated 460 + 60 minutes		**385**	
802.1AS BM Redundancy	Philippe Klein / Broadcom	45	
802.1AS: Constrained Systems	Rodney Cummings / National Instruments	20	http://www.ieee802.org/1/files/public/docs/2015/as-cummings-constrained-problem-0715-v01.pdf
Industrial requirements for pDelay burst	Feng Chen / Siemens AG	15	
CM PAR discussion	János Farkas / Ericsson	60	http://www.ieee802.org/1/files/public/docs/2015/new-cm-farkas-scope-0615.pdf
IEEE1904.3 update	Jouni Korhonen / Broadcom	30	
P802.1Qbv ballot review	Tony Jeffree / Broadcom, Hewlett Packard	60	http://www.ieee802.org/1/files/private/bv-drafts/d2/802.1Qbv-d2-4.pdf http://www.ieee802.org/1/files/private/bv-drafts/d2/802.1Qbv-d2-4-pdis-r1.pdf
Gate Operations and "Automatic Guard Band" Feature	Christian Boiger / b-plus GmbH	45	
802.1Qci discussion	Tony Jeffree / Broadcom, Hewlett Packard	60	
P802.1Qbu ballot review	Tony Jeffree / Broadcom, Hewlett Packard	60	http://www.ieee802.org/1/files/private/bu-drafts/d2/802.1Qbu-d2-1.pdf http://www.ieee802.org/1/files/private/bu-drafts/d2/802.1Qbu-d2-1-pdis-r1.pdf
Thu 0800-1000 802.1 / 802.11 joint meeting		**0**	
Thu 1000-1300 TSN meeting (partially joint with 802.3br) - allocated 120 minutes		**120**	
Update on IET (802.3br)	Ludwig Winkle / Siemens	30	
P802.1Qbu ballot review (cont)	Tony Jeffree / Broadcom, Hewlett Packard	60	http://www.ieee802.org/1/files/private/bu-drafts/d2/802.1Qbu-d2-1.pdf http://ieee802.org/1/files/private/bu-drafts/d2/802.1Qbu-D2-1-pdis-d1.pdf
Continued discussion on 802.3/802.1/1588 joint work on time services	Michael Johas Teener / Broadcom	10	
Qcc D0.4 ballot part 2	Rodney Cummings / National Instruments	20	
Thu 1300-1700 IEEE 802.1 closing plenary		**30**	
TSN motions	Michael Johas Teener / Broadcom	30	
Deferred presentation(s) and TBDs			
Assumptions and architecture review	Don Pannell / Marvell	60	

OmniRAN TG Agenda

- Review of minutes
- Reports
- Review of 802.1CF editor's draft
- P802.1CF contributions
  - Review of network reference model chapter
  - Backhaul representation
  - SDN Abstraction
  - Functional design and decomposition
- Project planning
- Publicity activities
- Status report to IEEE 802 WGs
- AOB

Maintenance TG Agenda

- Tuesday

- Patents and Guidelines
- Attendees
- Status
- New Maintenance items
  - 0165: Authenticator PACP state machine – new
- Existing Maintenance items – see following slides
  - SC6
  - 802.1Q-2014
  - 802.1AX
  - 802.1AS
  - 802.1AB
  - 802.1AC
  - Security
- SC6 status

802.1 Stds for SC6 approval

- PSDO approved
  - 802.1AE — FDIS passed Oct 2013, cmnts liaised Jan 2014
  - 802.1X — FDIS passed Oct 2013, cmnts liaised Jan 2014
  - 802.1AS (Time synch) — FDIS passed Dec 2013, cmnts liaised May 2014
  - 802.1AB (LLDP) — FDIS passed Dec 2013, cmnts liaised May 2014
  - 802.1AR (Secure device ID) — FDIS passed Dec 2013, cmnts liaised May 2014
- PSDO in process (FDIS)
  - 802.1AEbn — FDIS closed Feb 2015, cmnts liaised April 2015
  - 802.1AEbw — FDIS closed Feb 2015, cmnts liaised April 2015
  - 802.1Xbx — pre-ballot comment responses to be approved
  - 802.1Q-2014 — pre-ballot comment responses to be approved
  - 802.1AX-2014 — sent Mar 2015
  - 802 — Has FDIS ballot opened?
- PSDO in process (Pre-ballot)
- Information
  - 802.1BA-2011 (AVB systems) — sent for info Mar 2015; start FDIS in July
  - 802.1BR-2012 (Port extender) — sent for info Mar 2015; start FDIS in July
- To be submitted (802.1 work in progress)
  - 802.1AC — send as information to SC6, at sponsor ballot time
- Next to send?

Data Center Bridging TG

- Wednesday

- Respond to comments on 802.1Qcn-Amendment, VSI/VDP extensions for NVO3 PAR and CSD

- Draft response to IETF liaison: http://www.ieee802.org/1/files/public/docs2015/liaison-IETF-VDP-Requirement-for-NVo3-0515.pdf

Any other business?