

802.1 Plenary – March 2018

Rosemont, IL, USA

Closing Agenda

Glenn Parsons – IEEE 802.1 WG Chair
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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

Wednesday midweek

- [Call for Patents](#)
- Sanity check – current projects
- 802.11aq/RAC issue
- Future plenary format
- Motions for EC consent agenda
- Motions for 802.1
- Chair & Vice-Chair elections

Friday 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.

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>

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.

802.1 officers

□ Officers

- Chair: Glenn Parsons
- Vice Chair and Maintenance TG Chair: John Messenger
- Recording Secretary: Jessy Rouyer
- Security TG Chair: Mick Seaman
- TSN TG Chair: János Farkas
- 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 (61):

Assmann, Ralf
Bao, Shenghua
Bechtel, Gordon
Bierschenk, Jens
Bjornstad, Steinar
Boiger, Christian
Bottorff, Paul
Canchi, Radhakrishna
Chen, David
Chen, Feng
Cheng, Weiying
Congdon, Paul
Cummings, Rodney
Elbakoury, Hesham
Farkas, Janos
Finn, Norman
Fontaine, Mickael
Garner, Geoffrey
Gray, Eric W
Gunther, Craig

Gutierrez, Marina
Haddock, Stephen
Hantel, Mark
Holness, Marc
Kabra, Lokesh
Karl, Michael
Keen, Hal
Kehrer, Stephan
Koto, Hajime
Li, Yizhou
Mangin, Christophe
Mansfield, Scott
McIntosh, James
Messenger, John
Moskowitz, Robert
Mustala, Tero
Ohsawa, Tomoki
Pannell, Donald R
Parsons, Glenn
Pienciak, Walter

Potts, Michael
Qiu, Wei
Randall, Karen
Riegel, Maximilian
Rouyer, Jessy V
Samii, Soheil
Sato, Atsushi
Schewe, Frank
Seaman, Michael
Specht, Johannes
Thaler, Patricia
Unbehagen, Paul
Wang, Xinyuan
Wang, Tongtong
Wang, Hao
Weber, Karl
Weis, Brian
Woods, Jordon
Yamaura, Takahiro
Yu, Xiang
Zein, Nader

The following became voting members this week:

Canchi, Radhakrishna

Kabra, Lokesh

Mansfield, Scott

Qiu, Wei

Yamaura, Takahiro

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

Cam-Winget, Nancy
DeLaOlivaDelgado,
Antonio
Ellegard, Lars
Fang, Yonggang
Geilhardt, Frank
Gravel, Mark
Hotta, Yoshifumi
Hung, Soar
Itaya, Satoko

Kojima, Fumihide
Maruhashi, Kenichi
Qiu, Wei
Schmitt, Juergen
Shen, Li
Ting, Ao
Veisllari, Raimena
Wu, Yanwei
Yin, Yue

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

none

The following will lose voting member status for insufficient WG ballot return, unless they contact the chair:

Li, Yizhou

Moskowitz, Robert

Samii, Soheil

Wang, Xinyuan

The following have requested to
move to observer status:

Bechtel, Gordon

Fontaine, Mickael

Future interim meetings

- May 21-25, 2018
 - [Ethernet Alliance](#) in Pittsburgh, USA
- July 24-26, 2018
 - JWG interim hosted by DKE in Frankfurt
- September 10-14, 2018
 - [Transpacket](#) in Oslo, Norway
- Jan 14-18, 2019
 - [FFPA proposal](#) in Hiroshima, Japan
- May 20-24, 2019
 - [Ethernet Alliance](#) in North America
- Sept 2019
 - Potential ADVA Optical Networking proposal
- Jan 2020
 - Geneva?

Future plenaries

- 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
- March 2020 – Atlanta, GA, USA
- July 2020 – Montreal, QC, Canada
- November 2020 – Bangkok, Thailand

Sanity check – current workload

| Project | Subject | Last Motion | Current Stage | Draft# | Next action | PAR ends |
|--------------|---|-----------------------|-----------------------|--------|-------------------------|----------|
| 802.1Qcc | SRP enhancements & performance improvements | Sponsor Ballot - cond | Sponsor Ballot recirc | D2.1 | RevCom conditional | Dec '19 |
| 802.1CF | Access network (OmniRAN) | WG ballot | TG ballot | D1.0 | WG ballot | Dec '18 |
| 802.1AS-REV | Time synch enhancements | PAR modification | WG ballot | D6.0 | Sponsor Ballot (July) | Dec '19 |
| 802.1Qcj | Auto Attach to PBB | TG Ballot | TG Ballot | D0.2 | WG ballot | Dec '19 |
| 802.1Xck | 802.1X YANG data model | WG ballot | WG ballot recirc | D2.0 | Sponsor Ballot | Dec '19 |
| 802.1CM | Profile for Fronthaul | Sponsor Ballot | Sponsor Ballot | D2.0 | RevCom conditional | Dec '19 |
| 802.1Qcy | EVb VDP extension | Sponsor Ballot | Sponsor Ballot | D2.1 | Sponsor Ballot | Dec '19 |
| 802.1Qcp | 802.1Q YANG data model | Sponsor Ballot - cond | Sponsor Ballot recirc | D2.0 | RevCom conditional | 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 | D0.3 | PAR modification - YANG | Dec '20 |
| 802.1CS | LRP | TG ballot | TG ballot | D1.2 | TG ballot | Dec '21 |
| 802.1AX-REV | Link Aggregation | WG ballot | TG ballot | D0.1 | WG Ballot | Dec '20 |
| 802.1AR-REV | Secure Device Identity | Sponsor Ballot | Sponsor Ballot recirc | D2.6 | RevCom | Dec '21 |
| 802.1Q-REV | Bridges and Bridged Networks | Sponsor Ballot | Sponsor Ballot | D2.1 | RevCom | Dec '20 |
| 802.1AE-REV | MAC security | WG ballot | WG ballot recirc | D1.1 | Sponsor Ballot | Dec '21 |
| 802.1ACct | support for 802.15.3 | PAR development | 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 | PAR development | PAR development | | NesCom | |
| 802.1Qcw | TSN (Qbu, Qbv, Qci) YANG | TG Ballot | Editor's draft | | TG ballot | Dec '21 |
| 802.1Qcx | CFM YANG | TG Ballot | Editor's draft | D0.1 | TG ballot | Dec '21 |
| 802.1AC/cor1 | MAC Service | Sponsor Ballot | WG ballot | D2.0 | Sponsor Ballot | Dec '21 |
| 802.1Qcz | Congestion Isolation | PAR development | PAR development | | PAR development | |
| 802.1CBdb | FRER (CBcv) extensions | PAR development | PAR development | | NesCom | |
| 60802 (DA) | Profile for Industrial Automation | PAR development | PAR development | | NesCom | |
| 802.1DC | Queuing for non-bridges | PAR development | PAR development | | NesCom | |
| 802.1X-REV | Port Access Control | | | | NesCom | |

802.1 plenary schedule

| V4 | | IEEE 802 PLENARY SESSION Rosemont (Chicago), Illinois March 4-9, 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|--------|---|--|------------------------|--|--------|----------------------|-------------|--------|--------|--------|-----------------------|--------|--------|--------|----------|----------------------|-------------|--------|--------|--------|------------------------|--------|-----------------------|--|--|--|--|--|--|--|--|
| 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: | | Opening 802 EC plenary | | | MTN TG | | | | | Trk 1: | Trk 2: | | | | Trk 1: | | ITU SC | | | Trk 5: | Trk 1: | | | | | | | | | |
| 08:30-09:00 | | TSN | | | | | | | | | | TSN | DCB | | | Trk4 SEC | | TSN | | | Trk 4: | SEC | JWG | TSN | | | | | | | | |
| 09:00-09:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09:30-10:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10:00-10:30 | | Break | | | | | Break | | | | | Break | | | | | Break | | | | | Break | | | | | | | | | | |
| 10:30-11:00 | | Opening 802.1 plenary | | | | | Trk 1: | Trk 2: | | | Trk 4: | | Trk 1: | Trk 2: | | | Trk 4: | Trk 5: | Trk 1: | | Trk 3: | Trk 4: | Trk 5: | Closing 802.1 Plenary | | | | | | | | |
| 11:00-11:30 | TSN | | | | | | DCB | | | SEC | | TSN | DCB | | | SEC | JWG | TSN | | OR | SEC | JWG | | | | | | | | | | |
| 11:30-12:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00-12:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:30-13:00 | | Lunch | | | | | Lunch | Editors Mtg | | | | Lunch | | | | | Lunch | Editors Mtg | | | | Lunch | | | | | | | | | | |
| 13:00-13:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13:30-14:00 | | Trk 1: | | Trk 3: | | | Trk 1: | JTC1 SC | Trk 3: | Trk 4: | Trk 5: | Midweek 802.1 plenary | | | | | Trk 1: | Trk 2: | Trk 3: | Trk 4: | Trk 5: | Closing 802 EC plenary | | | | | | | | | | |
| 14:00-14:30 | | TSN | | OR | | TSN | | OR | SEC | JWG | TSN | | | | | | DCB | OR | SEC | JWG | | | | | | | | | | | | |
| 14:30-15:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15:00-15:30 | | Break | | | | | Break | | | | | Break | | | | | Break | | | | | | | | | | | | | | | |
| 15:30-16:00 | | Trk 1: | | Trk 3: | | Trk 4: | Trk 1: | | Trk 3: | Trk 4: | Trk 5: | Trk 1: | Trk 2: | Trk 3: | Trk 1: | Trk 2: | | Trk 4: | | | | | | | | | | | | | | |
| 16:00-16:30 | | TSN | | OR | | SEC | TSN | | OR | SEC | JWG | TSN | DCB | OR 5G | TSN | DCB | | SEC | | | | | | | | | | | | | | |
| 16:30-17:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17:00-17:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17:30-18:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18:00-18:30 | | 802.1 & TSN Newcomers | | | | | Break | | | | | Break | | | | | Joint 802.1 & 802.24 | | | | | | | | | | | | | | | |
| 18:30-19:00 | TG | | | | | | Joint 802.1 & 802.15 | | | | | Networking Reception | | | | | TSN - 802.1AS | | | | | | | | KEY: JWG: IEEE/IEC Joint WG TSN: Time Sensitive Netw'kg MTN TG: Maintenance TG SEC: Security DCB: Data Center Bridging OR: OmniRAN | | | | | | | |
| 19:00-19:30 | Chairs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19:30-20:00 | Mtg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20:00-20:30 | | YANGsters | | | | | IC - 802 NEND | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20:30-21:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21:00-21:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21:30-22:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22:00-22:30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

KEY:
 JWG: IEEE/IEC Joint WG
 TSN: Time Sensitive Netw'kg
 MTN TG: Maintenance TG
 SEC: Security
 DCB: Data Center Bridging
 OR: OmniRAN

802 reports

- IETF SC

- Joint coordination meeting continuing

- <https://www.iab.org/activities/joint-activities/iab-ieee-coordination/>

- JTC1 SC

- ITU SC

- 802 TF

- myProject
 - Legal update

myProject status

- Revision of the myProject tool is under active development
 - 802 will remain on current tools through 2018
 - Mentor and IMAT will be considered in a separate later project/phase
- EC volunteers will review the requirements and initial demonstration code.
- Transition/data migration planning will be started around fall 2018.

IEEE Open Source offering

□ Summary with CLA

- <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0103-00-00SA-ieee-open-source-offering.pdf>
- <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0172-00-00EC-ieee-sa-update-on-open-source-activity.pdf>

□ IEEE 802 [view](#)

- Maintain option of current process
 - i.e., source code (YANG, MIB, etc) can be developed as part of the standards process
- Interest with open source for normative/informative use in standards (notably for YANG)
 - [Questionnaire](#) completed to join trial, but staff advice that only open source license available for trial

□ Continue discussion in YANGsters on open source

Thanks
to Pat Thaler
for all her
contributions to
802.1 and her 33
years in IEEE 802



DCB TG

- Will be retired after this plenary
- Move to TSN
 - P802.1Qcy
 - P802.1Qcz pre-PAR discussions
- Move to OmniRAN
 - P802.1CQ

TG reports

- Security
- DCB
- TSN
- OmniRAN
- Maintenance
- YANGsters
- NENDica

Security

DCB

802.1 TSN TG Agenda

| V0 | IEEE 802 PLENARY SESSION Rosemont (Chicago), Illinois March 4-9, 2018 | | | | | | | | |
|--|---|---|--------------------------|-------------------|------------------------------------|----------------|-----------------------|-----------------------|---|
| 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 | | AS-Rev | MTN TG | | P60802 PAR (whole TSN with JWG) | | Trk A: JWG | Trk B: AX-Rev | AS-Rev |
| 08:30-09:00 | | | | | JWG | PARs | | | |
| 09:00-09:30 | | | | | | | | | |
| 09:30-10:00 | | | | | | | | | |
| 10:00-10:30 | | Break | Break | | Break | | Break | | Break |
| 10:30-11:00 | | Opening 802.1 plenary | Whole TSN with JWG | | Trk A: JWG | Trk B: PARs | Trk A: JWG | Trk B: liaisons | Closing 802.1 Plenary |
| 11:00-11:30 | | | | | | | | | |
| 11:30-12:00 | | | | | | | | | |
| 12:00-12:30 | | | | | | | | | Lunch |
| 12:30-13:00 | | Lunch | Lunch (Editors' meeting) | | Lunch | | Lunch | | |
| 13:00-13:30 | | | | | | | | | Closing 802 EC |
| 13:30-14:00 | | incoming liaisons, Qcc, AS-Rev | Trk A: JWG | Trk B: Qcp, CM | Midweek 802.1 plenary | | Trk A: JWG | Trk B: new work | |
| 14:00-14:30 | | | | | | | | | |
| 14:30-15:00 | | | | | | | | | |
| 15:00-15:30 | | | | | | | | | |
| 15:30-16:00 | | Break | Break | | Break | | Break | | |
| 16:00-16:30 | | AS-Rev | Trk A: JWG | Trk B: CM | Trk A: JWG | Trk B: YANG | Whole TSN with JWG | | |
| 16:30-17:00 | | | | | | | | | |
| 17:00-17:30 | | | | | | | | | |
| 17:30-18:00 | | | | | | | | | |
| 18:00-18:30 | TG | 802.1 & TSN intro | Break | | Break | | 802.1 TSN - 802.24 | | KEY: TSN: Time-Sensitive Netw. JWG: IEEE-IEC Joint WG MTN TG: Maintenance TG NEA: Next Ethernet Apps IC: Industry Connections NEND: Ntwk Enhanc for Next Dec |
| 18:30-19:00 | Chairs | | 802.1 - 802.15 joint | | | | | | |
| 19:00-19:30 | Mtg | | IC - 802 NEND | | | | | | |
| 19:30-20:00 | | | | | | | | | |
| 20:00-20:30 | | 802.3 NEA - Switch Latency / Industrial | Social event | | | | | | |
| 20:30-21:00 | | | | | | | | | |
| 21:00-21:30 | | | | | | | | | |
| 21:30-22:00 | | | | | | | | | |
| 22:00-22:30 | | | | | | | | | |

OmniRAN TG Achievements

Rosemont, IL meeting, March 5th – 8th

- Progressing P802.1CF
 - Initial WG ballot achieved 65% approval with 159 comments
 - Next ballot will be WG ballot on full text of D2.0
 - D1.0 comment resolution and development of remedies proceeding
 - Contributions adopted on further deployment scenarios
 - Restructuring of information models
 - Definitions
 - Addressing implementation issues
 - Replacing content with references to other 802.1 standards
 - Restructuring of chapter on softwarization
- Estimated timeline for P802.1CF with extended scope:
 - Sponsor Ballot potentially after Jul 2018
- Discussion of contributions to IC NEND
 - Review of draft report on industrial IoT reviewed to provide hints adding information and revision prior to presentation to Nendica

Looking forward to next session in Pittsburgh, May 21-25, 2018

- Envisioned topics:
 - Comment resolution of comments on P802.1CF D2.0
 - Potentially, review of intended submissions to Nendica
- Upcoming conference calls:
 - March 20th , 0930AM ET
 - Open issues of implementation of remedies
 - Review and completion of documentation of proposed disposition
 - Review of information model revision (Clause 8.1)
 - April 3rd , 0930AM ET
 - Review of revisions to clauses 7.1, 7.7, and 7.8
 - Review of smaller textual amendments
 - Preparation of swapping figures to .svg
 - April 13th, 0930AM ET
 - Final review of D2.0 in preparation of WG ballot
- Next WG ballot:
 - Start latest at April 18th with closure on May 19th
 - May '18 interim in Pittsburgh on May 21st-25th

Maintenance

YANGsters Outcomes

- Chicago 802 Plenary Meeting
 - Good turn out for evening session
- Held a YANGsters meeting on Monday Night
 - Input provided on the website
 - Need more Background and material to help on-boarding related to YANG @ IEEE
 - Guidelines section needs contributions
 - Issues List should be posted
 - Updates and discussions
 - Do not include hot-links to the Specification in the YANG code
 - OID vs. URL affects 802.1 and 802.11, continue to explore solutions and solve in a way that will work across IEEE
 - Reviewed the Open Source Pilot proposal
 - Consensus in the room was that the current IEEE License used is best suited for source code that will be in a standard
 - A discussion with the Open Source Pilot project legal team will be arranged
 - Provided information about the ITU-T Interim meetings on modeling that IEEE has been invited to
 - <https://1.ieee802.org/yangsters/itu-t-interim-calls-for-model-coordination/>

Nendica Summary Report (1/2)

IEEE 802 Network Enhancements for the Next Decade Industry Connections Activity

- Met 2018-03-06, 19:30-21:30
- Around 50 people
- Marks chaired, following assignment by Parsons
- Agreed on process to develop Nendica Reports
 - Agree on Work Items, to develop draft reports
 - Open balloting, with notification to 802 EC
 - Continuing openness to new Work Items
- Agreed (29/0/0) to request Walter Pienciak as Nendica as IEEE-SA Advisor
 - ICCOM quickly supported to the request

Nendica Summary Report (2/2)

IEEE 802 Network Enhancements for the Next Decade Industry Connections Activity

- Agreed on a near-term meeting schedule
 - 11 April: teleconference
 - Week of 7 May: 802 wireless interim, Warsaw
 - Week of 21 May: 802.1/802.3 interim, Pittsburgh
 - Will request meeting facilities from hosts
 - Hope to allow remote participation
- Reviewed the two ongoing Work Items
 - Lossless Network for Data Centers
 - Flexible Factory IoT
- Three contributions presented
 - Related to lossless networks

Liaisons

Incoming Liaisons

□ Maintenance:

- ITU-T on OTN standardization work plan

http://www.ieee802.org/1/files/public/docs2018/liaison-SG15-LS100-OTNT_standardization_worplan-0318.zip

□ YANGsters:

- BBF on YANG

http://www.ieee802.org/1/files/public/docs2018/liaison-BBF-121_CFM_YANG-0118.pdf

<http://www.ieee802.org/1/files/public/docs2018/liaison-BBF-116-ieee8023-yang-epon-0118.pdf>

unapproved response from January interim

- ITU-T Q14/15 on CFM YANG

http://www.ieee802.org/1/files/public/docs2017/liaison-SG15-LS68_CFM_OAM_1017.zip

unapproved response from January interim

□ TSN

- ITU-T on new versions of G.8021, G.8023 & G.8013/Y.1731

http://www.ieee802.org/1/files/public/docs2018/liaison-SG15-LS108-G.8013_G.8021_G.8023-0318.pdf

- ITU-T on IM and DM OAM

http://www.ieee802.org/1/files/public/docs2018/liaison-SG15-LS103-IM+DM_OAM-0318.pdf

- ITU-T on MEF 10.4 OWFD

http://www.ieee802.org/1/files/public/docs2018/liaison-SG15-LS102-MEF10.4_OWFD-0318.pdf

- NGMN on RAN functional split and xhaul

http://www.ieee802.org/1/files/public/docs2018/liaison-NGMN-RAN_FSX-0318.zip

- IEC SC65C on review of draft IEC 60802

http://www.ieee802.org/1/files/public/docs2018/liaison-IEC-65C-MT9_TSN_Liaison-0318.pdf

http://www.ieee802.org/1/files/private/liaisons/liaison-65c-60802-Ed1-IS-preCD-OE_20180201_rev5p0_Clean.pdf

Outgoing liaison discussion

- Liaison to IETF NVO3
- Liaison response to BBF liaise121 - CFM OAM YANG
- Liaison to 3GPP RAN3
- Liaison response to ITU-T SG15 LS80 - CFM OAM YANG
- Liaison response to ITU-T SG15 LS108 – G.8021
- Liaison to ITU-T SG15 – 802.1CM

EC regular motions

Motion to reconsider

- Reconsider motions on PARs to NesCom for
 - P60802
 - P802.1DC
 - P802.1X-REV

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

Agenda

- ❑ PARs to NesCom (ME)
 - ❑ P60802 - Standard: Time-Sensitive Networking Profile for Industrial Automation
 - ❑ P802.1DC - Standard for Quality of Service Provision by Network Systems
 - ❑ P802.1X-REV – Port-Based Network Access Control
- ❑ Drafts to RevCom (ME)
 - ❑ P802.1CM - Time-Sensitive Networking for Fronthaul. (Conditional)
- ❑ Liaisons (II)
 - Liaison response to BBF liaise121 - CFM OAM YANG
 - Liaison to 3GPP RAN3
- ❑ Liaisons (ME)
 - Liaison response to ITU-T SG15 LS80 - CFM OAM YANG
 - Liaison response to ITU-T SG15 LS108 – G.8021
 - Liaison to ITU-T SG15 – 802.1CM
- ❑ Items to SC6 (ME)
 - FDIS Comment responses to SC6 on 802.1AC

PARs to NesCom

5.0301 Motion (reconsidered)

- Approve forwarding P60802 PAR documentation in <http://ieee802.org/1/files/public/docs2018/60802-PAR-0318-v02.pdf> to NesCom
- Approve CSD documentation in <http://www.ieee802.org/1/files/public/docs2018/60802-CSD-0318-v01.pdf>
- In the WG (y/n/a): 38, 0, 0
 - Proposed: János Farkas Second: Craig Gunther
- In EC, mover: Glenn Parsons Second: Pat Thaler
 - (y/n/a): <y>,<n>,<a>

5.0304 Motion (reconsidered)

- Approve forwarding P802.1DC PAR documentation in <http://ieee802.org/1/files/public/docs2018/dc-PAR-0318-v02.pdf> to NesCom
- Approve CSD documentation in <http://www.ieee802.org/1/files/public/docs2018/dc-CSD-0318-v01.pdf>
- In the WG (y/n/a): 34, 1, 2
 - Proposed: Norman Finn Second: János Farkas
- In EC, mover: Glenn Parsons Second: Pat Thaler
 - (y/n/a): <y>,<n>,<a>

5.0305 Motion (reconsidered)

- Approve sending P802.1X-Rev PAR documentation in
<http://www.ieee802.org/1/files/public/docs2018/x-rev-seaman-draft-par-0318-v05.pdf> to NesCom
- In the WG,
mover: Mick Seaman Second: Brian Weis
 - (y/n/a): 38, 0, 0
- In the EC, mover: Glenn Parsons Second: Pat Thaler
 - (y/n/a): , ,

Note: there are no CSD responses for this maintenance PAR.

Drafts to RevCom

5.0311 Motion

- Conditionally approve sending P802.1CM to RevCom
- Approve CSD documentation in <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0073-00-ACSD-802-1cm.pdf>
- P802.1CM D2.0 had 95 % approval at the end of the last sponsor ballot
 - In the WG (y/n/a): 38, 0, 0
 - Proposed: János Farkas Second: David Chen
 - In EC, mover: Glenn Parsons Second: Pat Thaler
 - (y/n/a): <y>,<n>,<a>

Supporting information P802.1CM

- Ballot closed: 18 February 2018
 - 3 Disapprove votes
 - no outstanding Must Be Satisfied comments
- Comment resolution available here:
<http://ieee802.org/1/files/private/cm-drafts/d2/802-1CM-d2-0-dis-v01.pdf>
- Recirculation ballot will be conducted during March with comment resolution on the TSN TG calls. A possible final recirculation in April and May if required with comment resolution on the TSN TG calls and/or during the May 802.1 Interim.

P802.1CM Time-Sensitive Networking for Fronthaul

| | |
|-----------------------------|-------------|
| Ballot Open Date: | 19-Jan-2018 |
| Ballot Close Date: | 18-Feb-2018 |
| Type: | New |
| Draft #: | 2.0 |
| Comments: | 201 |
| Must Be Satisfied Comments: | 24 |

RESPONSE RATE

This ballot has met the 75% returned ballot requirement.

79 eligible people in this ballot group.

63 affirmative votes
3 total negative votes with comments
3 negative votes with new comments
0 negative votes without comments
3 abstention votes: (Lack of time: 2, Other: 1)

69 votes received = 87% returned
4% abstention

APPROVAL RATE

The 75% affirmation requirement is being met.

63 affirmative votes
3 negative votes with comments

66 votes = 95% affirmative

Supporting information

P802.1CM

- Voters with Disapprove votes:
 - Finn, Norman
 - Tse, Richard
 - Zein, Nader
- Each voter is satisfied with the resolution of his
Must Be Satisfied comment

Liaisons (II)

Motion

- Approve liaison of the following response (to LIAISE-121) to Broadband Forum
 - <http://www.ieee802.org/1/files/public/docs2018/liaison-response-BBF-121-0318-v01.pdf>
- In the WG (y/n/a): 38, 0, 1
 - Proposed: Jessy Rouyer Second: János Farkas
- In EC for information

Motion

- Approve liaison of the following response (to R3-173354) to 3GPP RAN3
 - <http://www.ieee802.org/1/files/public/docs2018/liaison-reponse-3GPP-RAN3-0318-v01.pdf>
- In the WG (y/n/a): 39, 0, 0
 - Proposed: János Farkas Second: Norm Finn
- In EC for information

Liaisons (ME)

Motion

- Approve liaison of the following response (to LS 80) to ITU-T SG15
 - <http://www.ieee802.org/1/files/public/docs2018/liaison-response-ITU-T-SG15-LS80-0318-v01.pdf>
- In the WG (y/n/a): 38, 0, 0
 - Proposed: Jessy Rouyer Second: János Farkas
- In EC, mover: Glenn Parsons Second: Pat Thaler
 - (y/n/a): <y>,<n>,<a>

Motion

- Approve liaison of the following response (to LS 108) to ITU-T SG15
 - <http://www.ieee802.org/1/files/public/docs2018/liaison-response-ITU-T-SG15-LS108-0318-v01.pdf>
- In the WG (y/n/a): 39, 0, 0
 - Proposed: Jessy Rouyer Second: János Farkas
- In EC, mover: Glenn Parsons Second: Pat Thaler
 - (y/n/a): <y>,<n>,<a>

Motion

- Approve liaison of the following letter to ITU-T SG15
 - <http://www.ieee802.org/1/files/public/docs2018/liaison-ITU-T-SG15-Q13-0318-v01.pdf>
- In the WG (y/n/a): 39, 0, 0
 - Proposed: Jessy Rouyer Second: János Farkas
- In EC, mover: Glenn Parsons Second: Pat Thaler
 - (y/n/a): <y>,<n>,<a>

Items to SC6 (ME)

MOTION

- Approve liaison of the following comment responses to ISO/IEC JTC1/SC6 under the PSDO agreement:
 - <http://ieee802.org/1/files/public/docs2018/liaison-randall-SC6Response1AC-0317.pdf>
- Proposed: Pat Thaler Second: John Messenger
- For_37____Against_0__Abstain_1____
- EC proposed: Parsons Second: Thaler
- For____Against____Abstain____

WG motions

MOTION

- 802.1 approves the November 2017 (Plenary) and January 2018 (Interim) minutes:

<http://ieee802.org/1/files/public/minutes/2017-11-minutes-v2.pdf>

<http://ieee802.org/1/files/public/minutes/2018-01-minutes-v2.pdf>

Proposed: Jessy Rouyer Seconded: John Messenger

- Approved by Acclamation

Motion

- 802.1 WG approves an interim meeting to work on IEC/IEEE P60802 TSN Profile for Industrial Automation work together with IEC 65C/MT9. The meeting is hosted by DKE July 24-26, 2018 in Frankfurt.
 - no registration fee
 - location:
 - DKE
 - Deutsche Kommission
 - Elektrotechnik Elektronik Informationstechnik
 - in DIN und VDE
 - Stresemannallee 15
 - 60596 Frankfurt am Main
 - (room Slaby)
- Proposed: János Farkas
- Second: Stephan Kehrer
- In the WG (y/n/a): 38, 0, 0

Motion: Conference calls

- Approve OmniRAN TG conference calls:
 - March 20th, 09:30 AM ET, 90mins
 - April 3rd, 09:30 AM ET, 90mins
 - April 13th, 09:30 AM ET, 90mins
 - Between the May 2018 interim and the July 2018 plenary with at least 10 days prior notice to the 802.1 mailing list.
 - Agenda and call-in details will be announced at least 10 days prior on the 802.1 mailing list and be made available on <http://1.ieee802.org/omniran/>
- Moved: Max Riegel,
- Second: Walter Pienciak
- Approved by Acclamation

WG Motion - teleconference

- Authorize teleconference(s) for P802.1CQ
 - 28 March 6:00 AM Pacific Time
 - Possible additional calls with 10 day notice.
- In the WG (y/n/a): <y>,<n>,<a>
 - Proposed: Pat Thaler Second: Paul Congdon
- Approved by Acclamation

WG Motion – P802.1Qcz precirculation

- 802.1 authorizes the May 2018 Interim to further develop PAR and CSD for precirculation to the EC for the P802.1Qcz amendment to IEEE 802.1Q covering Congestion Isolation.
- In the WG (y/n/a): 38, 0, 0
 - Proposed: Pat Thaler Second: Yolanda Yu

Motion - teleconference

- Approve continuing the YANGsters eMeetings monthly
 - Meeting Time
 - Bridge: join.me/ieee802.1
 - Wednesday, March 28, 2018 6:00 AM (US-Pacific)
Through and including Wednesday, June 27, 2018
6:00AM (US-Pacific)
- Moved: Scott Mansfield Second: Jessy Rouyer
- Approved by Acclamation

Motion – pre-PAR

- 802.1 authorizes the May 2018 Interim to generate PAR and CSD for pre-circulation to the EC for an amendment to IEEE 802.1Q to specify Resource Allocation Protocol.
- Proposed: Feng Chen
- Second: John Messenger
- In the WG (y/n/a): 37, 0, 0

Motion - teleconference

- 802.1 authorizes the TSN Task Group to hold a teleconference for Sponsor ballot comment resolution for P802.1CM TSN for Fronthaul on April 3, 2018 from 7AM (US-Pacific).
- Access information is posted on the <http://www.ieee802.org/1/tsn> page and will be updated as necessary.

- Proposed: János Farkas
 - Second: Jessy Rouyer
- Approved by Acclamation

Motions – Any others?