

802.1 – Activities & status

Glenn Parsons

Chair, IEEE 802.1 WG

glenn.parsons@ericsson.com

Jessy Rouyer

Vice-Chair, IEEE 802.1 WG

jessy.rouyer@nokia.com

July 9, 2021

ec-21-0124-00-00EC

Areas of work

- 802 Architecture and interworking between 802 technologies
 - Cross-802 Architecture group, including “Technical Plenary” if needed
- Time-Sensitive Networking (TSN) Task Group:
 - Bridges and Bridged Networks (802.1D, 802.1Q)
 - Discovery mechanisms
 - Link aggregation and protection
 - Time synchronization
 - Stream reservation and transmission support
 - Enhanced queuing and protection algorithms
 - Congestion management
 - TSN profiles for fronthaul, industrial, automotive and service providers
 - Local Address usage including protocols for local address acquisition
- Security Task Group:
 - Secure frame transmission, Key management and Secure device identity
 - Port authentication
 - Privacy
- Maintenance Task Group
 - Tracking issues reported with published standards
- YANGsters
 - Network Management Data Modelling
- 802 NENDICA
 - IEEE 802 “Network Enhancements for the Next Decade” Industry Connections Activity

Officers and Leadership

- Chair: Glenn Parsons
- Vice-Chair & Recording Secretary: Jessy Rouyer
- Executive Secretary: Stephan Kehrer
- Liaison Secretary: Karen Randall
- Maintenance TG Chair: Paul Congdon
- TSN TG Chair: János Farkas
 - TSN TG Vice-Chair: Craig Gunther
 - TSN TG Secretary: Christian Boiger
- Security TG Chair: Mick Seaman
 - Security TG Vice-Chair: Karen Randall
- YANGsters Chair: Scott Mansfield
 - YANGsters Vice-Chair and Secretary: Stephan Kehrer
- NENDICA Chair: Roger Marks
- Maintenance of Email exploder: Hal Keen and Mark Hantel
- Maintenance of website: Roger Marks

Sanity check – current workload

| Project | Short Title | Last Motion | Current Stage | Draft# | Next action | PAR ends |
|--------------|---|---------------|--------------------|--------|----------------|----------|
| 802.1Qcj | Auto Attach to PBB | PAR extension | WG ballot | D1.3 | PAR extension | Dec '21 |
| 802.1CQ | Multicast and Local Address Protocol | PAR Extension | TG Ballot | D0.5 | TG Ballot | Dec '22 |
| 802.1CS | LRP | RevCom | Published - Apr 23 | D3.1 | | Dec '21 |
| 802.1ACct | support for 802.15.3 | WG ballot | WG ballot | D1.0 | SA Ballot | Dec '21 |
| 802.1ABcu | LLDP YANG | SA Ballot | WG Ballot | D2.0 | SA Ballot | Dec '21 |
| 802.1CBcv | FRER YANG & MIB | WG Ballot | WG Ballot | D1.3 | SA Ballot | Dec '22 |
| 802.1Qcw | TSN (Qbu, Qbv, Qci) YANG | WG ballot | WG ballot | D1.3 | PAR extension | Dec '21 |
| 802.1Qcz | Congestion Isolation | SA Ballot | SA Ballot | D2.0 | RevCom | Dec '22 |
| 60802 (DA) | TSN Profile for Industrial Automation | TG Ballot | TG Ballot | D1.2 | TG ballot | Dec '22 |
| 802.1CBdb | FRER (CBcv) extensions | WG Ballot | WG Ballot | D1.4 | SA Ballot | Dec '22 |
| 802.1DC | QOS provision by network systems | WG Ballot | TG Ballot | D1.1 | WG Ballot | Dec '22 |
| 802.1Qdd | Resource Allocation Protocol | TG Ballot | TG Ballot | D0.4 | TG ballot | Dec '22 |
| 802.1DF | TSN Profile for Service Provider Networks | TG ballot | TG ballot | D0.1 | TG ballot | Dec '23 |
| 802.1DG | TSN Profile for Automotive Networks | TG Ballot | TG Ballot | D1.3 | TG ballot | Dec '23 |
| 802.1ABdh | LLDPv2 | WG Ballot | WG Ballot | D1.2 | SA Ballot | Dec '23 |
| 802.1Qdj | TSN Configuration Enhancements | TG ballot | TG ballot | D0.1 | TG ballot | Dec '23 |
| 802.1AEdk | Privacy enhancements for use with MACsec | TG Ballot | TG ballot | D0.61 | TG ballot | Dec '23 |
| 802f | EtherType YANG | TG Ballot | TG Ballot | D0.4 | WG Ballot | Dec '23 |
| 802.1ASdm | Hot standby | TG Ballot | TG Ballot | D0.2 | TG Ballot | Dec '24 |
| 802.1Q-REV | Bridges and Bridged Networks | WG Ballot | WG Ballot | D0.2 | SA Ballot | Dec '24 |
| 802.1ASdn | Time Synch YANG | TG Ballot | PAR approved | | Editor's draft | Dec '24 |
| 802.1DP | TSN Profile for Aerospace | TG Ballot | PAR approved | | Editor's draft | Dec '24 |
| 802.1BA-rev | AVB Systems | WG Ballot | WG Ballot | D1.0 | SA Ballot | Dec '24 |
| 802.1AS/cor1 | Timing and Synchronization corrigendum | WG Ballot | WG Ballot | D2.0 | SA Ballot | Dec '24 |
| 802.1Qdq | Tspec | PAR approved | PAR approved | | TG Ballot | Dec '25 |
| 802.1ASdr | Inclusive Language | PAR approved | PAR approved | | TG Ballot | Dec '25 |

802.1 electronic meeting schedule

| ET Start | ET End | Monday Jul 12 | Tuesday Jul 13 | Wednesday Jul 14 | Thursday Jul 15 | Friday Jul 16 | PT Start | CET start | JST start | Monday Jul 19 | Tuesday Jul 20 | | | | |
|----------|--------|-------------------|----------------|------------------|-----------------|---------------|-----------|-------------|-----------|---------------|----------------|-------|-----|-------------|-------------------------|
| 09:00 | 09:30 | Opening plenary | TSN P802.1DG | TSN | TSN 60802 | TSN | Nendica | TSN | TSN 60802 | 06:00 | 15:00 | 22:00 | TSN | TSN 60802 | Closing plenary meeting |
| 09:30 | 10:00 | | | | | | | | | 06:30 | 15:30 | 22:30 | | | |
| 10:00 | 10:30 | | | | | | | | | 07:00 | 16:00 | 23:00 | | | |
| 10:30 | 11:00 | | | | | | | | | 07:30 | 16:30 | 23:30 | | | |
| 11:00 | 11:30 | | | | | | | | | 08:00 | 17:00 | 00:00 | | | |
| 11:30 | 12:00 | | | | | | | | | 08:30 | 17:30 | 00:30 | | | |
| 12:00 | 12:30 | TSN 60802 | TSN 60802 | Security | TSN P802.1DP | TSN 60802 | Security | TSN | Security | 09:00 | 18:00 | 01:00 | TSN | | |
| 12:30 | 13:00 | | | | | | | | | 09:30 | 18:30 | 01:30 | | | |
| 13:00 | 13:30 | | | | | | | | | 10:00 | 19:00 | 02:00 | | | |
| 13:30 | 14:00 | 802.1 orientation | | | | | | | | 10:30 | 19:30 | 02:30 | | | |
| 14:00 | 14:30 | | | | | | | | | 11:00 | 20:00 | 03:00 | | | |
| 14:30 | 15:00 | | Maintenance | | | | | | | 11:30 | 20:30 | 03:30 | | | |
| 15:00 | 15:30 | TSN | | TSN | | TSN | YANGsters | Maintenance | | 12:00 | 21:00 | 04:00 | TSN | Maintenance | |
| 15:30 | 16:00 | | | | | | | | | 12:30 | 21:30 | 04:30 | | | |
| 16:00 | 16:30 | | | | | | | | | 13:00 | 22:00 | 05:00 | | | |

802.1 plenary agenda

Monday, July 12^h opening

- [Copyright Policy](#)
- [Call for Patents](#)
- [Participant behavior](#)
- Administrative
- Membership status
- Future Sessions
- 802 EC report
- Sanity check – current projects
- Incoming Liaisons
- TG agendas
- Any other business

Tuesday, July 20th closing

- [Copyright Policy](#)
- [Call for Patents](#)
- [Participant behavior](#)
- Membership status
- Future Sessions
- Sanity check – current projects
- TG reports
- Outgoing Liaisons
- Motions for EC
- Motions for 802.1
- Any other business

Next Interim Session

- September 20-24, 2021
 - Electronic session

- Details on Website:

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

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