

# 802.1 – Activities & status

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Chair, IEEE 802.1 WG

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# Areas of work

- 802 Architecture and interworking between 802 technologies
  - Cross-802 Architecture group, including “Technical Plenary” if needed
  - Industry Connections – 802 network enhancements for the next decade
- Time Sensitive Networking (TSN) Task Group:
  - Bridges and Bridged Networks (802.1D, 802.1Q)
    - Stream reservation and transmission support
    - Enhanced queuing and protection algorithms
  - Discovery mechanisms
  - Link aggregation and protection
  - Time synchronization
  - Profile for mobile fronthaul
  - Profile for industrial networking (joint with IEC)
- Addressing and Data center bridging (DCB) Task Group :
  - Congestion management
  - Local Address usage including protocols for local address acquisition
- Security Task Group :
  - Secure frame transmission, Key management
  - Secure device identity
  - Privacy
- OmniRAN Task Group :
  - Network reference model, with SDN abstraction, for 802 access network
  - IEEE 802 network enhancements for the next decade (e.g., 5G ) - industry connections program

# Officers

- Chair: Glenn Parsons
- Vice Chair: John Messenger
- Recording Secretary: Jessy Rouyer
- TSN TG Chair: János Farkas
- Data Center Bridging TG Chair: Pat Thaler
- Security TG Chair: Mick Seaman
- OmniRAN TG Chair: Max Riegel
- Maintenance of Email exploder: Hal Keen
- Maintenance of website:  
John Messenger & Paul Unbehagen
  - Website: <http://www.ieee802.org/1/>

# 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	D2.1	Sponsor Ballot recirc	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	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	D2.0	WG ballot recirc	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	TG ballot	Dec '20
802.1CS	LRP	TG ballot	TG ballot	D1.2	TG ballot	Dec '21
802.1AX-REV	Link Aggregation	TG ballot	TG ballot	D0.1	WG Ballot	Dec '20
802.1AR-REV	Secure Device Identity	Sponsor Ballot	Sponsor Ballot recirc	D2.6	RevCom conditional	Dec '21
802.1Q-REV	Bridges and Bridged Networks	Sponsor Ballot	Sponsor Ballot	D2.0	RevCom conditional	Dec '20
802.1AE-REV	MAC security	WG ballot	WG ballot recirc	D1.1	WG ballot recirc	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		TG ballot	Dec '21
802.1CBcv	FRER YANG & MIB	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		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		NesCom	
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	

# 802.1 plenary schedule

V1

**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														
08:30-09:00		Trk 1: TSN	Opening 802 EC plenary	MTN TG	Trk 1: TSN	Trk 2: DCB	Trk 3: OR	Trk 4: SEC	Trk 5: JWG	ITU SC	Trk 1: TSN	Trk 2: DCB	Trk 3: OR	
09:00-09:30														
09:30-10:00														
10:00-10:30		Break	Break	Break	Break	Break								
10:30-11:00														
11:00-11:30		Opening 802.1 plenary	Trk 1: TSN	Trk 4: SEC	Trk 1: TSN	Trk 2: DCB	Trk 4: SEC	Trk 5: JWG	Trk 1: TSN	Trk 2: DCB	Trk 3: OR	Trk 4: SEC	Trk 5: JWG	Closing 802.1 Plenary
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														
14:00-14:30		Trk 1: TSN	Trk 1: TSN	JTC1 SC	Trk 4: SEC	Trk 5: JWG	Midweek 802.1 plenary	Trk 1: TSN	Trk 2: DCB	Trk 3: OR	Trk 4: SEC	Trk 5: JWG	Closing 802 EC plenary	
14:30-15:00														
15:00-15:30														
15:30-16:00		Break	Break	Break	Break	Break								
16:00-16:30		Trk 1: TSN	Trk 3: OR	Trk 1: TSN	Trk 3: OR	Trk 4: SEC	Trk 5: JWG	Trk 1: TSN	Trk 2: DCB	Trk 3: OR	Trk 4: SEC	Trk 5: JWG		
16:30-17:00														
17:00-17:30														
17:30-18:00														
18:00-18:30			Break	Break	Break	Joint 802.1 & 802.24								
18:30-19:00	TG	802.1 & TSN Newcomers	Joint 802.1 & 802.15	Networking Reception		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														

# 802.1 plenary agenda

## **Monday opening**

- [Call for Patents](#)
- Participation [guidelines](#)
- Membership status
- Future Meetings
- 802 reports
- Sanity check – current projects
- Incoming Liaisons
- TG agendas

## **Wednesday midweek**

- [Call for Patents](#)
- Sanity check – current projects
- Motions for EC consent agenda

## **Friday closing**

- [Call for Patents](#)
- Membership status
- Future Meetings
- 802 reports
- TG reports
- Outgoing Liaisons
- Motions for EC
- Motions for 802.1

# Next Interim meeting

- May 21-25, 2018:
  - Pittsburgh, Pennsylvania
- Details on Website:  
<http://www.ieee802.org/1>