

# 802.1 – Activities & status

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# Areas of work

- 802 Architecture and interworking between 802 technologies
  - Cross-802 Architecture group
  - “Technical Plenary” if needed
  - Network Management Data Modelling - YANGsters
- 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 mobile fronthaul, industrial, automotive and service provider networking
- Security Task Group:
  - Secure frame transmission, Key management and Secure device identity
  - Port authentication
  - Privacy
- OmniRAN Task Group:
  - Network reference model, with SDN abstraction, for 802 access network
  - Local Address usage including protocols for local address acquisition
- 802 NENDICA:
  - IEEE 802 “Network Enhancements for the Next Decade” Industry Connections Activity

# Officers

- Chair: Glenn Parsons
- Vice Chair: John Messenger
- Recording Secretary: Jessy Rouyer
- Maintenance TG Chair: Paul Congdon
- TSN TG Chair: János Farkas
- Security TG Chair: Mick Seaman
- OmniRAN TG Chair: Max Riegel
- NEND ICA: Roger Marks
- Maintenance of Email exploder: Hal Keen and Mark Hantel
- Maintenance of website: Paul Unbehagen
  - Website: <http://www.ieee802.org/1/>

# Sanity check – current workload

Project	Subject	Last Motion	Current Stage	Draft#	Next action	PAR ends
802.1CF	Access network (OmniRAN)	RevCom conditional	Sponsor Ballot	D3.1	RevCom submittal	Dec '20
802.1AS-REV	Time synch enhancements	Sponsor ballot	WG ballot	D8.0	Sponsor Ballot initiation	Dec '19
802.1Qcj	Auto Attach to PBB	TG Ballot	TG Ballot	D0.3	WG ballot	Dec '19
802.1Qcy	EVb VDP extension	RevCom	RevCom	D2.5	Approval - Mar 20	Dec '19
802E	Privacy	TG ballot	TG ballot	D1.2	WG 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	WG ballot	TG ballot	D0.5	WG Ballot initiation	Dec '20
802.1CS	LRP	WG ballot	WG ballot	D2.0	WG Ballot	Dec '21
802.1AX-REV	Link Aggregation	WG ballot	WG ballot	D1.0	WG Ballot	Dec '20
802.1ACct	support for 802.15.3	PAR approval	PAR Approved		Editor's draft	Dec '21
802.1ABcu	LLDP YANG	TG Ballot	Editor's draft	D0.6	TG ballot	Dec '21
802.1CBcv	FRER YANG & MIB	TG Ballot	PAR Approved - May 14		Editor's draft	Dec '22
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	TG Ballot	TG Ballot	D0.2	TG ballot	Dec '21
802.1Qcx	CFM YANG	WG Ballot	WG Ballot	D1.0	WG Ballot resolution	Dec '21
802.1Qcz	Congestion Isolation	PAR approval	PAR approved - Sep 27		TG ballot	Dec '22
802.1CBdb	FRER (CBcv) extensions	PAR approval	PAR Approved - May 14		Editor's draft	Dec '22
60802 (DA)	Profile for Industrial Automation	TG Ballot	Editor's draft	D0.6	TG ballot	Dec '22
802.1DC	Queuing for non-bridges	TG Ballot	Editor's draft	D0.1	TG ballot	Dec '22
802.1X-REV	Port Access Control	WG ballot	Editor's draft	D0.1	WG ballot	Dec '22
802.1Qdd	Resource Allocation Protocol	PAR approval	PAR approved - Sep 27		TG ballot	Dec '22
802.1CMde	Enhancements for Fronthaul Interface	PAR approval	PAR approval - Jan 25		TG ballot	
802.1DF	TSN Profile for Service Provider Networks	PAR approval	PAR approval - Jan 25		Editor's draft	
802.1DG	TSN Profile for Automotive Networks	PAR approval	PAR approval - Jan 25		TG ballot	

# 802.1 plenary schedule

V1	IEEE 802 PLENARY SESSION Vancouver, BC Canada March 10-15, 2019						
	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		TSN	MTN TG	TSN & 60802	TSN 60802	TSN & 60802	
09:00-09:30							
09:30-10:00		EC		NEND ICA	ITU		
10:00-10:30				SEC			
10:00-10:30		Break	Break	Break	Break	Break	
10:30-11:00							
11:00-11:30		Opening 802.1 plenary	TSN	SEC	TSN 60802	SEC	TSN 60802
11:30-12:00							
12:00-12:30							
12:30-13:00		Lunch	Lunch (Editors' Meeting)	Lunch	Lunch	Lunch	
13:00-13:30							
13:30-14:00		TSN	OR	SEC	TSN	OR	SEC
14:00-14:30							
14:30-15:00							
15:00-15:30							
15:30-16:00		Break	Break	Break	Break	Break	
16:00-16:30							
16:30-17:00		TSN		SEC	TSN		SEC
17:00-17:30							
17:30-18:00							
18:00-18:30	TG		Joint 802.24		Break	Break	
18:30-19:00	Chairs		Joint 802.1 & 802.15	YANGSTERS			
19:00-19:30	Mtg	Spectrum - Use it or Share it					
19:30-20:00							
20:00-20:30			802 NENDICA	Social event			
20:30-21:00							
21:00-21:30							
21:30-22:00							
22:00-22:30							
						<b>KEY:</b> TSN: Time Sensitive Netw'kg 60802: IEC/IEEE 60802 JP MTN TG: Maintenance TG SEC: Security OR: OmniRAN	

# 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

## **Thursday closing**

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

# Next Interim meeting

- May 20-24, 2019:
  - Salt Lake City, Utah

- Details on Website:

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

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