

# 802.1 – Activities & status

John Messenger

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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
  - Local Address usage including protocols for local address acquisition
- Security Task Group:
  - Secure frame transmission, Key management and Secure device identity
  - Port authentication
  - Privacy
- OmniRAN Task Group:
  - Closing at this meeting
- 802 NENDICA:
  - IEEE 802 “Network Enhancements for the Next Decade” Industry Connections Activity

# Officers

- Chair: Glenn Parsons
- Vice Chair and Acting Chair: John Messenger
- Recording Secretary and Acting Vice Chair: Jessy Rouyer
- Maintenance TG Chair: Paul Congdon
- TSN TG Chair: János Farkas
- Security TG Chair: Mick Seaman
- OmniRAN TG Chair: Max Riegel (retiring)
- NENDICA: 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
802.1AE/cor1	MAC security corrigendum	PAR approval	PAR approved - May 21		WG ballot	Dec '23
802.1CMde	Enhancements for Fronthaul Interface	TG Ballot	Editor's draft	D0.1	WG ballot	Dec '23
802.1DF	TSN Profile for Service Provider Networks	PAR approval	PAR approved - Feb 8		TG ballot	Dec '23
802.1DG	TSN Profile for Automotive In-Vehicle Ethernet Com.	TG Ballot	Editor's draft	D0.1	TG ballot	Dec '23
60802 (DA)	TSN Profile for Industrial Automation	TG Ballot	TG Ballot	D1.0	TG ballot	Dec '22
802.1CBcv	FRER YANG & MIB	TG Ballot	PAR Approved		Editor's draft	Dec '22
802.1CBdb	FRER (CBcv) extensions	TG Ballot	Editor's draft	D0.0	TG ballot	Dec '22
802.1DC	QoS provision by network systems	TG Ballot	Editor's draft	D0.1	TG ballot	Dec '22
802.1Qcz	Congestion Isolation	TG Ballot	Editor's draft	D0.0	TG ballot	Dec '22
802.1Qdd	Resource Allocation Protocol	PAR approval	PAR approved - Sep 27		TG ballot	Dec '22
802.1X-REV	Port Access Control	WG ballot	WG ballot	D1.2	Sponsor Ballot	Dec '22
802.1ABcu	LLDP YANG	TG Ballot	TG Ballot	D0.6	WG ballot	Dec '21
802.1ACct	support for 802.15.3	PAR approval	PAR Approved		Editor's draft	Dec '21
802.1CS	LRP	WG ballot	WG ballot	D2.1	PAR extension	Dec '21
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	TG Ballot	TG Ballot	D0.3	WG ballot	Dec '21
802.1Qcx	CFM YANG	WG Ballot	WG Ballot	D1.2	Sponsor Ballot - conditional	Dec '21
802.1AX-REV	Link Aggregation	Sponsor Ballot - cond	Sponsor Ballot	D1.0	RevCom conditional	Dec '20
802.1CQ	Multicast and Local Address Protocol	PAR approval	Editor's draft	D0.1	TG ballot	Dec '20
802.1Qcr	Asynchronous Traffic Shaping	WG ballot	WG ballot	D1.0	WG Ballot recirculation	Dec '20
802.1AS-REV	Time synch enhancements	Sponsor ballot	Sponsor Ballot	D8.0	RevCom conditional	Dec '19
802.1Qcj	Auto Attach to PBB	WG ballot	WG ballot	D1.0	PAR extension	Dec '19
802E	Privacy	WG ballot	TG ballot	D1.4	WG Ballot	Dec '19
802.1ABdh	LLDPv2	PAR development	PAR development		PAR approval	
802.1AEdk	MAC Privacy enhancements		PAR development		PAR development	
802.1Qdj	TSN Configuration Enhancements	PAR development	PAR development		PAR approval	

# 802.1 plenary schedule

V1	IEEE 802 PLENARY SESSION Vienna, Austria July 15-19, 2019					
	802.1 tracks and times					
	SUN	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
07:00-07:30						
07:30-08:00					SP	
08:00-08:30						
08:30-09:00		TSN	EC	MTN TG	TSN & 60802	ITU
09:00-09:30						TSN 60802 NEND ICA
09:30-10:00					SEC	
10:00-10:30		Break	Break	Break	Break	Break
10:30-11:00		Opening 802.1 plenary	TSN	SEC	TSN 60802	SEC
11:00-11:30					TSN 60802	SEC
11:30-12:00					TSN 60802	
12:00-12:30						
12:30-13:00		Lunch	Lunch (TG Chairs Meeting)	Lunch	Lunch	Lunch
13:00-13:30						
13:30-14:00						
14:00-14:30		TSN	SEC	TSN	JTC1	SEC
14:30-15:00					TSN 60802	SEC
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	SEC
17:00-17:30					TSN 60802	SEC
17:30-18:00						
18:00-18:30	TG				Break	Break
18:30-19:00	Chairs		YANGsters	YANGsters		
19:00-19:30	Mtg					
19:30-20:00						
20:00-20:30	Rules	802 NEND ICA		Joint 802.1 & 802.11 Tgbe	No social event	
20:30-21:00						
21:00-21:30						
21:30-22:00						
22:00-22:30						

KEY:  
 TSN: Time Sensitive Netw'kg  
 60802: IEC/IEEE 60802 JP  
 MTN TG: Maintenance TG  
 SEC: Security

# 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

## **Thursday closing**

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

# Next Interim meeting

- September 16-20, 2019:
  - Edinburgh, Scotland

- Details on Website:

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

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