

802.1 – Activities & status

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Acting Chair, IEEE 802.1 WG

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Areas of work

- 802 Architecture and interworking between 802 technologies
 - Cross-802 Architecture group
 - “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
 - TSN profiles for mobile fronthaul and industrial automation
 - Congestion management
- 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
 - Local Address usage including protocols for local address acquisition
- 802 NEND ICA:
 - IEEE 802 “Network Enhancements for the Next Decade” Industry Connections Activity

Officers

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

Sanity check – current workload

802.1Qcc	SRP enhancements & performance improvements	RevCom conditional	Approved - Jun 14	D2.3	Publication	Dec '19
802.1CF	Access network (OmniRAN)	WG ballot	WG ballot	D2.1	Sponsor Ballot and PAR extension	Dec '18
802.1AS-REV	Time synch enhancements	PAR modification	WG ballot	D7.0	Sponsor Ballot (conditional)	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	Sponsor Ballot	Sponsor Ballot	D2.2	RevCom conditional	Dec '19
802.1CM	Profile for Fronthaul	RevCom conditional	Published - Jun 8	D2.2		Dec '19
802.1Qcy	EVb VDP extension	Sponsor Ballot	Sponsor Ballot	D2.3	RevCom conditional	Dec '19
802.1Qcp	802.1Q YANG data model	Sponsor Ballot - cond	Approved - Jun 14	D2.3	Publication	Dec '19
802E	Privacy	TG ballot	TG ballot	D1.0	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	D0.5	PAR modification - YANG, WG	Dec '20
802.1CS	LRP	TG ballot	TG ballot	D1.5	TG ballot	Dec '21
802.1AX-REV	Link Aggregation	WG ballot	TG ballot	D0.3	WG Ballot	Dec '20
802.1AR-REV	Secure Device Identity	RevCom	Approved - Jun 14	D2.6	Publication	Dec '21
802.1Q-REV	Bridges and Bridged Networks	RevCom	Published - Jul 6	D2.2		Dec '20
802.1AE-REV	MAC security	Sponsor Ballot	Sponsor Ballot	D1.3	RevCom	Dec '21
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	D0.0	TG ballot	Dec '21
802.1CBcv	FRER YANG & MIB	PAR approval	PAR Approved - May 14		Editor's draft	Dec '22
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	TG Ballot	PAR Approved	D0.0	TG ballot	Dec '21
802.1Qcx	CFM YANG	TG Ballot	Editor's draft	D0.3	TG ballot	Dec '21
802.1AC/cor1	MAC Service	Sponsor Ballot	Sponsor Ballot	D1.2	RevCom	Dec '21
802.1Qcz	Congestion Isolation	PAR development	PAR development		PAR approval	
802.1CBdb	FRER (CBcv) extensions	PAR approval	PAR Approved - May 14		Editor's draft	Dec '22
60802 (DA)	Profile for Industrial Automation	PAR approval	PAR Approved - May 14		TG ballot	Dec '22
802.1DC	Queuing for non-bridges	PAR approval	PAR Approved - May 14		Editor's draft	Dec '22
802.1X-REV	Port Access Control	PAR approval	PAR Approved - Jun 14		WG ballot	
802.1Qdd	Resource Allocation Protocol	PAR development	PAR development		PAR approval	

802.1 plenary schedule

V2	IEEE 802 PLENARY SESSION San Diego, California July 8-13, 2018																								
	802.1 tracks and times																								
	SUN	MONDAY				TUESDAY				WEDNESDAY				THURSDAY				FRIDAY							
07:00-07:30																									
07:30-08:00																									
08:00-08:30				EC																					
08:30-09:00		Trk 1: TSN																							
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																							
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																									
14:00-14:30		Trk 1: TSN			Trk 3: OR	Trk 4: SEC																			
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		Trk 1: TSN			Trk 3: OR	Trk 4: SEC																			
17:00-17:30																									
17:30-18:00																									
18:00-18:30	TG																								
18:30-19:00	Chairs	YANGsters				Break				Break				Break				Break							
19:00-19:30	Mtg					Joint 802.1 & 802.15																			
19:30-20:00																									
20:00-20:30		802 NEND ICA				802 NEND ICA				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
 OR: OmniRAN

Next Interim meeting

- July 24-26, 2018 – P60802 only
 - Frankfurt am Main, Germany
- September 10-14, 2018:
 - Oslo, Norway
- Details on Website:
<http://www.ieee802.org/1>