

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
 - “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
 - Profile for mobile fronthaul
- 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
802.1CB	Frame Replication and Elimination	RevCom - cond	RevCom	D2.8	Publication	Dec '17
802.1Qcc	SRP enhancements & performance improvements	WG ballot	WG ballot	D1.2	WG ballot	Dec '17
802.1ARce	AR: SHA-384 and P-384 Elliptic Curve	withdrawal	NesCom	D1.1	removal	Dec '18
802.1CF	Access network (OmniRAN)	TG ballot	TG ballot	D0.4	TG ballot	Dec '18
802.1Qch	Cyclic queueing and forwarding	Sponsor Ballot	Sponsor Ballot	D2.2	RevCom	Dec '19
802.1AS-REV	Time synch enhancements	TG Ballot	TG Ballot	D4.5	WG ballot	Dec '19
802c	Local Address space	RevCom - cond	Sponsor Ballot recirc	D2.1	submit to RevCom	Dec '19
802.1Qcj	Auto Attach to PBB	TG Ballot	Editor's draft	D0.1	TG Ballot	Dec '19
802.1Xck	802.1X YANG data model	WG ballot	WG ballot	D1.0	WG ballot	Dec '19
802.1CM	Profile for Fronthaul	TG Ballot	TG Ballot	D0.6	TG Ballot	Dec '19
802.1Qcn	EVB VDP extension	TG Ballot	Editor's draft	D0.4	TG Ballot	Dec '19
802.1Qcp	802.1Q YANG data model	WG ballot	WG ballot	D1.0	WG ballot	Dec '19
802E	Privacy	TG ballot - fail	Editor's draft	D0.6	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	PAR approved	Editor's draft	D0.0	TG ballot	Dec '20
802.1CS	LRP	NesCom	PAR approved		Editor's draft	Dec '21
802.1AX-REV	Link Aggregation	PAR approved	Editor's draft	D0.0	TG ballot	Dec '20
802.1AR-REV	Secure Device Identity	PAR approved	WG ballot	D2.0	Sponsor Ballot - cond	Dec '21
802.1Q-REV	Bridges and Bridged Networks	WG ballot	WG ballot recirc	D1.2	Sponsor Ballot - cond	Dec '20
802.1AE-REV	MAC security	PAR development			PAR approval	
802.1ACct	support for 802.15.3	PAR development			PAR development	
802.1ABcu	LLDP YANG	PAR development				
802.1CBcv	FRE YANG & MIB	PAR development				
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	PAR development				
802.1Qcx	CFM YANG	PAR development				

802.1 plenary schedule

V1

IEEE 802 PLENARY SESSION
Berlin, Germany
July 10-14, 2017

802.1 tracks and times

	SUN	MONDAY				TUESDAY				WEDNESDAY				THURSDAY			FRIDAY									
07:00-07:30																										
07:30-08:00																										
08:00-08:30				EC	MTN TG				Trk 1: TSN	Trk 2: DCB		ITU SC		Trk 1: TSN												
08:30-09:00		Trk 1: TSN			MTN TG				Trk 1: TSN	Trk 2: DCB		Trk 3: SEC		Trk 1: TSN												
09:00-09:30					MTN TG																					
09:30-10:00					MTN TG																					
10:00-10:30		Break				Break				Break				Break												
10:30-11:00		Opening 802.1 plenary				Trk 1: TSN			Trk 4: SEC	Trk 1: TSN	Trk 2: DCB		Trk 4: SEC	Trk 1: TSN	Trk 3: OR											
11:00-11:30		Opening 802.1 plenary				Trk 1: TSN			Trk 4: SEC	Trk 1: TSN	Trk 2: DCB		Trk 4: SEC	Trk 1: TSN	Trk 3: OR											
11:30-12:00		Opening 802.1 plenary				Trk 1: TSN			Trk 4: SEC	Trk 1: TSN	Trk 2: DCB		Trk 4: SEC	Trk 1: TSN	Trk 3: OR											
12:00-12:30		Opening 802.1 plenary				Trk 1: TSN			Trk 4: SEC	Trk 1: TSN	Trk 2: DCB		Trk 4: SEC	Trk 1: TSN	Trk 3: OR											
12:30-13:00		Lunch				Lunch				Lunch				Lunch			Lunch									
13:00-13:30		Lunch				Lunch				Lunch				Lunch			Lunch									
13:30-14:00		Trk 1: TSN			Trk 4: SEC	Trk 1: TSN			Trk 4: SEC	Trk 1: TSN	Trk 2: DCB	Trk 3: OR	Trk 4: SEC	Closing 802.1 Plenary			Closing 802 EC									
14:00-14:30		Trk 1: TSN			Trk 4: SEC	Trk 1: TSN			Trk 4: SEC	Trk 1: TSN	Trk 2: DCB	Trk 3: OR	Trk 4: SEC													
14:30-15:00		Trk 1: TSN			Trk 4: SEC	Trk 1: TSN			Trk 4: SEC	Trk 1: TSN	Trk 2: DCB	Trk 3: OR	Trk 4: SEC													
15:00-15:30		Trk 1: TSN			Trk 4: SEC	Trk 1: TSN			Trk 4: SEC	Trk 1: TSN	Trk 2: DCB	Trk 3: OR	Trk 4: SEC													
15:30-16:00		Break				Break				Break				Closing 802.1 Plenary			Closing 802 EC									
16:00-16:30		Trk 1: TSN			Trk 3: OR	Trk 4: SEC	Trk 1: TSN		Trk 3: OR	Trk 4: SEC	Trk 1: TSN	Trk 2: DCB	Trk 3: OR							Trk 4: SEC						
16:30-17:00		Trk 1: TSN			Trk 3: OR	Trk 4: SEC	Trk 1: TSN		Trk 3: OR	Trk 4: SEC	Trk 1: TSN	Trk 2: DCB	Trk 3: OR							Trk 4: SEC						
17:00-17:30		Trk 1: TSN			Trk 3: OR	Trk 4: SEC	Trk 1: TSN		Trk 3: OR	Trk 4: SEC	Trk 1: TSN	Trk 2: DCB	Trk 3: OR							Trk 4: SEC						
17:30-18:00		Trk 1: TSN			Trk 3: OR	Trk 4: SEC	Trk 1: TSN		Trk 3: OR	Trk 4: SEC	Trk 1: TSN	Trk 2: DCB	Trk 3: OR	Trk 4: SEC												
18:00-18:30		Break				Break				Break				Break												
18:30-19:00	New Comer Orient.	Tutorials				Joint .1/.15				Social event							KEY: TSN: Time Sensitive Netw'kg MTN TG: Maintenance TG SEC: Security DCB: Data Center Bridging OR: Om niRAN									
19:00-19:30						Joint .1/.15														Social event						
19:30-20:00						Joint .1/.15														Social event						
20:00-20:30						Joint .1/.15														Social event						
20:30-21:00		Industry Connections - 802 network enhancements				Industry Connections - 802 network enhancements				Social event																
21:00-21:30		Industry Connections - 802 network enhancements				Industry Connections - 802 network enhancements				Social event																
21:30-22:00		Industry Connections - 802 network enhancements				Industry Connections - 802 network enhancements				Social event																

Next Interim meeting

- September 5-8, 2017:
 - St. John's, NL, Canada
- Details on Website:

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