

802.1 – Activities & status

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Chair, IEEE 802.1 WG

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July 14, 2017

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 - Sept 7	D2.8	RevCom - cond	Dec '17
802.1Qcc	SRP enhancements & performance improvements	WG ballot	WG ballot	D1.5	Sponsor Ballot - cond & PAR e	Dec '17
802.1CF	Access network (OmniRAN)	TG ballot	TG ballot	D0.5	TG ballot	Dec '18
802.1AS-REV	Time synch enhancements	WG ballot	WG ballot	D5.0	PAR modification	Dec '19
802c	Local Address space	RevCom	Approved - June 15	D2.1	Publication	Dec '19
802.1Qci	Per Stream Filtering & Policing	RevCom	Approved - Feb 14	D2.0	Publication	Dec '19
802.1Qcj	Auto Attach to PBB	TG Ballot	Editor's draft	D0.2	TG Ballot	Dec '19
802.1Xck	802.1X YANG data model	WG ballot	WG ballot	D1.1	WG ballot	Dec '19
802.1CM	Profile for Fronthaul	TG Ballot	TG Ballot	D0.7	WG ballot	Dec '19
802.1Qcn	EVB VDP extension	TG Ballot	Editor's draft	D0.5	WG ballot	Dec '19
802.1Qcp	802.1Q YANG data model	WG ballot	WG ballot	D1.1	Sponsor Ballot - cond & PAR n	Dec '19
802E	Privacy	TG ballot	Editor's draft	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	Editor's draft	D0.1	TG ballot	Dec '20
802.1CS	LRP	NesCom	Editor's draft	D0.1	TG ballot	Dec '21
802.1AX-REV	Link Aggregation	TG ballot	TG ballot	D0.1	TG ballot	Dec '20
802.1AR-REV	Secure Device Identity	Sponsor Ballot - cond	WG ballot	D2.2	Sponsor Ballot	Dec '21
802.1Q-REV	Bridges and Bridged Networks	WG ballot	WG ballot recirc	D2.0	Sponsor Ballot	Dec '20
802.1AE-REV	MAC security	PAR development			PAR approval	
802.1ACct	support for 802.15.3	PAR development			PAR approval	
802.1ABcu	LLDP YANG	PAR development			PAR approval	
802.1CBcv	FRER YANG & MIB	PAR development			PAR development	
802.1Qcw	TSN (Qbu, Qbv, Qci) YANG	PAR development			PAR approval	
802.1Qcx	CFM YANG	PAR development			PAR approval	
802.1AC/cor1	MAC Service				PAR approval	

Next Interim meeting

- September 5-8, 2017:
 - St. John's, NL, Canada
- Details on Website:
<http://www.ieee802.org/1>