

802.1 – Activities & status

Glenn Parsons

Chair, IEEE 802.1 WG

glenn.parsons@ericsson.com

November 7, 2014

Areas of work

- 802 Architecture and interworking between 802 technologies
 - Cross-802 Architecture group
 - “Technical Plenary” if needed
- Interworking Task Group:
 - “Traditional” (802.1D) bridging
 - VLAN (802.1Q) bridging
 - Provider bridging
 - LAN management
 - Discovery mechanisms
 - Connectivity fault management
- Time Sensitive Networks (TSN) Task Group:
 - Time synchronization
 - Stream reservation, transmission support and deterministic networking
- Data center bridging (DCB) Task Group :
 - Congestion management
 - Per priority flow control
- Security Task Group :
 - Secure frame transmission
 - Key management
 - Secure device identity
- OmniRAN Task Group :
 - Network reference model, with SDN abstraction, for 802 access network

Officers

- Chair: Glenn Parsons
- Vice Chair: John Messenger
- Recording Secretary: Eric Gray
- Interworking TG Chair: Steve Haddock
- AV Bridging TG Chair: Michael Johas Teener
- Data Center Bridging TG Chair: Pat Thaler
- Link Security TG Chair: Mick Seaman
- OmniRAN TG Chair: Max Riegel
- Maintenance of Email exploder: Hal Keen
- Maintenance of website: John Messenger
 - Website: <http://www.ieee802.org/1/>

Sanity check – current workload

Project	Subject	Stage	Draft#	Next action	PAR ends
802.1AX-REV	Link Aggregation	RevCom	D4.54	publication	Dec '16
802.1ASbt	Time synch enhancements	Editor's draft	D0.7	move to 802.1AS-revision	Dec '15
802.1Qbu	Frame preemption	TG ballot	D1.1	WG ballot	Dec '16
802.1Qbv	Scheduled traffic	WG ballot	D2.1	WG ballot	Dec '16
802.1Xbx	MKA extensions	RevCom	D1.6	publication	Dec '16
802.1Qbz	802.11 Bridging	WG ballot	D1.5	WG ballot	Dec '16
802.1Qca	SPB Path Control and Reservation	WG ballot	D1.1	WG ballot recirc	Dec '16
802.1CB	Frame Replication and Elimination	TG ballot	D0.5	TG ballot	Dec '17
802.1AC-REV	MAC service	WG ballot	D1.0	WG ballot	Dec '17
802.1Qcc	SRP enhancements & performance improve	Editor's draft	D0.2	TG ballot	Dec '17
802.1Qcd	Application VLAN TLV	Sponsor ballot	D2.1	RevCom	Dec '17
802.1ARce	AR: SHA-384 and P-384 Elliptic Curve	Editor's draft	D0.5	TG ballot	Dec '18
802.1CF	Access network (OmniRAN)	PAR approved	-	Editor's draft	Dec '18
802.1AB Cor-2	Tech and ed corrections	Sponsor ballot	D1.1	RevCom	Dec '18
802.1AEcg	Ethernet data encryption devices	Editor's draft	D0.3	TG ballot	Dec '18
802.1Qch	Cyclic queueing and forwarding	PAR precirculation	-	NesCom	
802.1AS/Cor2	Tech and ed corrections	NesCom	-	WG ballot	
802.1ASrev	Time synch enhancements	PAR precirculation		NesCom	
802c	Local Address space	PAR development		PAR precirculation	
802.1Q/Cor1	Tech and ed corrections	PAR precirculation		NesCom	

Next Interim meeting

- January 2014:
 - Atlanta, Georgia
- Details on Website:

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