

802.1 – Activities & status

Tony Jeffree, 802.1 WG Chair

Friday, March 12, 2010

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
- Audio Video bridging (AVB) Task Group:
 - Time synchronization
 - Stream reservation and transmission support
- Data center bridging (DCB) Task Group:
 - Congestion management
 - Per priority flow control
- Security Task Group (currently hibernating):
 - Secure frame transmission
 - Key management
 - Secure device identity

Officers

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

Status of current projects - (1)

- MAC Service revision (P802.1ac)
 - Initial input generated based on ISO/IEC JTC1 standard 15802-1 plus ISS, E-ISS from 802.1D and 802.1Q
 - third draft (D0.2) issued for TG ballot; comment resolution completed; further TG balloting due in April/May timeframe.
- P802.1X Revision – Port based network access control
 - Approved January 2010; now published.

Status of current projects - (3)

- P802.1aj – Two-port MAC Relay
 - Approved December 2009; now published.

Status of current projects - (4)

- P802.1aq – Shortest Path Bridging
 - Current draft is D2.5
 - Task Group balloting ongoing
- P802.1AR – Secure Device Identity
 - Approved December 2009; now published.
- P802.1AS – Timing and Synchronization in LANs
 - Current draft D6.7
 - Working Group ballot completed; ballot resolution this week. Expect Sponsor ballot to start in April/May 2010 timeframe

Status of current projects - (5)

- P802.1Qat – Stream Reservation Protocol –
 - Current draft is D5.0
 - Initial Sponsor ballot completed; comment resolution this week.
- P802.1Qau – Congestion Notification –
 - Current draft is D2.4
 - Sponsor ballot completed successfully; expect RevCom submission this week.
- P802.1H Revision – MAC Bridging of Ethernet
 - No longer have an editor for this project; we have to decide this week what the future of this project should be.

Status of current projects - (6)

- P802.1Qav – Forwarding and queuing for time sensitive streams
 - Approved December 2009; now published.
- P802-REV – Overview and Architecture revision
 - Current draft is D0.0
 - TG balloting of D1.0 expected in April/May 2010 timeframe.

Status of current projects - (7)

- P802.1Q Revision
 - Working group ballot completed on D1.0; comment resolution this week.
- P802.1Qaz – Enhanced Transmission Selection
 - Current draft is D1.2
 - Awaiting further WG ballot.
- P802.1BA – AVB Systems
 - Task group ballot of D1.0 completed; comment resolution this week.
- 802.1Qbb – Priority based Flow Control
 - Current draft D1.3
 - TG balloting ongoing

Status of current projects - (8)

- 802.1Qbc – Remote Customer Service Interface
 - Task group ballot of D1.1 completed; comment resolution this week.
- 802.3bd – MAC control frame
 - Task group ballot of D1.0 completed; comment resolution this week.
- 802.1Qbe – MIRP
 - Task group ballot of D1.2 completed; comment resolution this week.
- 802.1Qbf – PBB-TE infrastructure protection
 - Task group ballot of D0.1 completed; comment resolution this week.

Status of current projects - (9)

- 802.1Qbg – Edge Virtual Bridging
 - PAR approved.
- 802.1Qbh – Bridge Port Extension
 - PAR approved. Draft 0.0 generated.

Next Interim meetings

- May 2010:
 - Geneva, Switzerland
- September 2010:
 - York, England
- Details will be posted on Website:
<http://www.ieee802.org/1>