

802.1 – Activities & status

Tony Jeffree, 802.1 WG Chair

Friday, November 20, 2009

Areas of work

- 802 Architecture and interworking between 802 technologies
 - Cross-802 Architecture group
 - “Technical Plenary” if needed
- Interworking
 - “Traditional” (802.1D) bridging
 - VLAN (802.1Q) bridging
 - Provider bridging
 - LAN management
 - Discovery mechanisms
 - Connectivity fault management
- Audio Video bridging (AVB)
 - Time synchronization
 - Stream reservation and transmission support
- Data center bridging (DCB)
 - Congestion management
 - Per priority flow control
- Security
 - 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.
- P802.1X Revision – Port based network access control
 - Current draft is D4.5
 - Sponsor ballot completed; forwarded to RevCom for December meeting.

Status of current projects - (3)

- P802.1aj – Two-port MAC Relay
 - Amendment to 802.1Q to define a relay device, commonly known as a “media converter”, that will assist the integration of 802 LAN technologies with emulated LAN services in use in the provider networking space.
 - Current draft is D4.2
 - Sponsor ballot completed; forwarded to RevCom for December meeting.

Status of current projects - (4)

- P802.1aq – Shortest Path Bridging
 - Current draft is D2.1
 - Task Group balloting ongoing
- P802.1AR – Secure Device Identity
 - Current draft is D2.3
 - Sponsor ballot completed; forwarded to RevCom for December meeting.
- P802.1AS – Timing and Synchronization in LANs
 - Current draft D6.2
 - Working Group ballot completed; ballot resolution completed. Expect Sponsor ballot to start before March 2010

Status of current projects - (5)

- P802.1Qat – Stream Reservation Protocol –
 - Current draft is D4.1
 - Working Group ballot completed; ballot resolution completed. Expect Sponsor ballot before March 2010
- P802.1Qau – Congestion Notification –
 - Current draft is D2.4
 - Sponsor ballot in progress.
- P802.1H Revision – MAC Bridging of Ethernet
 - Task group balloting continues.

Status of current projects - (6)

- P802.1Qav – Forwarding and queuing for time sensitive streams
 - Current draft is D7.0
 - Sponsor ballot completed; forwarded to RevCom for December meeting.
- P802-REV – Overview and Architecture revision
 - Current draft is D0.0
 - TG balloting of D1.0 expected before March 2010.

Status of current projects - (7)

- P802.1Q Revision
 - PAR approved; 2008 Edition generated; 2009 Edition in progress. Task group ballot expected before March 2010.
- P802.1Qaz – Enhanced Transmission Selection
 - Current draft is D1.0
 - TG ballot.
- P802.1BA – AVB Systems
 - Initial editor's draft 0.0 circulated
 - D0.1 circulated. Task group ballot of D1.0 expected before March 2010.
- 802.1Qbb – Priority based Flow Control
 - Current draft D1.1
 - TG balloting ongoing

Status of current projects - (8)

- 802.1Qbc – Remote Customer Service Interface
 - PAR approved.
- 802.3bd – MAC control frame
 - PAR approved.
- 802.1Qbe – MIRP
 - PAR approved.
- 802.1Qbf – PBB-TE infrastructure protection
 - PAR approved.

Status of current projects - (9)

- 802.1Qbg – Edge Virtual Bridging
 - PAR forwarded to NesCom.
- 802.3bh – Bridge Port Extension
 - PAR forwarded to NesCom.

Next Interim meetings

- Jan 2010:
 - Austin, Tx
- May 2010:
 - Geneva, Switzerland
- September 2010:
 - York, England