802.1 – Activities & status

Tony Jeffree, 802.1 WG Chair

Sunday, July 11, 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
- AV Bridging TG Chair: Michael Johas Teener
- Data Center Bridging TG Chair: Pat Thaler
- Link Security TG Chair: Mick Seaman
- Maintenance of Email exploder: Hal Keen
- Maintenance of website: John Messenger
  - Website: http://www.ieee802.org/1/

Status of current projects - (1)

- P802-REV – Overview and Architecture revision
  - Current draft is D0.0
  - TG ballotting expected in July-Nov 2010 timeframe.

- 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
  - WG ballot running

- Std 802.1D – MAC Bridges
  - Reaffirmation ballot completed; reaffirmation will be forwarded to RevCom this week

Status of current projects - (2)

- **P802.1aq – Shortest Path Bridging**
  - Current draft is D3.0
  - Working Group ballot comment resolution this week
- **P802.1AS – Timing and Synchronization in LANs**
  - Current draft D7.0
  - Sponsor ballot comment resolution this week

Status of current projects – (3)

- **P802.1Qat – Stream Reservation Protocol –**
  - Current draft is D6.1
  - Sponsor recirc ballot completed; forwarding to RevCom this week.
- **P802.1Qau – Congestion Notification –**
  - Published.
- **P802.1H Revision – MAC Bridging of Ethernet**
  - The PAR for this project has been withdrawn.

Status of current projects - (4)

- **P802.1Q Revision**
  - Working group ballot completed on D1.0; further WG ballot following July 2010 meeting
- **P802.1Qaz – Enhanced Transmission Selection**
  - Current draft is D1.6
  - WG recirc comment resolution this week..
- **P802.1BA – AVB Systems**
  - Task group ballot of D1.2 completed; comment resolution this week.
- **802.1Qbb – Priority based Flow Control**
  - Current draft D2.3
  - Sponsor ballot comment resolution this week.

Status of current projects - (5)

- 802.1Qbc – Remote Customer Service Interface
  - Working group ballot of D1.3 completed; comment resolution this week
- 802.3bd – MAC control frame
  - Sponsor ballot completed; comment resolution this week.
- 802.1Qbe – MIRP
  - Sponsor ballot initiated on draft 1.5.
- 802.1Qbf – PBB-TE infrastructure protection
  - Task group ballot of D0.3 completed; comment resolution this week

Status of current projects - (6)

- **802.1Qbg – Edge Virtual Bridging**
  - TG ballot of D1.0 complete; comment resolution this week.

- **802.1Qbh – Bridge Port Extension**
  - TG ballot of D0.3 complete; comment resolution this week.

- **802.1AXbk – Link Agg addressing**
  - PAR approved.

Next Interim meetings

- September 2010:
    - York, England
- January 2011:
    - Kauai, Hawaii.
- Details will be posted on Website:
  http://www.ieee802.org/1