802.1 – Activities & status

Tony Jeffree, 802.1 WG Chair

Friday, November 14, 2008

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: Michael Wright
- 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
  - Second draft (D0.1) generated for circulation to the WG
- P802.1X Revision – (was P802.1af Key Agreement)
  - Current draft is D2.9
  - WG ballotting in progress; comment resolution completed. WG balloting will continue.

Status of current projects - (3)

- P802.1aj – Two-port MAC Relay
  - Proposed 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 3.1b
  - WG Recirc ballot and comment resolution completed; awaiting next draft and recirc ballot.

Status of current projects - (4)

- P802.1ap - Management Information Base (MIB) definitions for VLAN Bridges
  - Draft D4.3 generated and issued for Sponsor recirc ballot
  - Comment resolution completed. D4.3 will be submitted to RevCom.
- P802.1aq – Shortest Path Bridging
  - Current draft is D1.0
  - Task Group balloting ongoing
- P802.1AR – Secure Device Identity
  - Current draft is D1.8
  - Working group balloting in progress.
- P802.1AS – Timing and Synchronization in LANs
  - Current draft D4.0
  - WG balloting in progress.

Status of current projects - (5)

- **P802.1Qat – Stream Reservation Protocol –**
  - Current draft is D1.3
  - Task Group ballot resolution completed; awaiting next draft and further TG ballot.

- **P802.1Qau – Congestion Notification –**
  - Current draft is D1.3
  - Task group balloting in progress.

- **P802.1H Revision – MAC Bridging of Ethernet – Recently approved PAR**
  - Editors appointed. Task group balloting expected.

Status of current projects - (6)

- **P802.1Qav – Forwarding and queuing for time sensitive streams**
  - Current draft is D3.1
  - Second task group ballot completed; awaiting first WG ballot.
- **P802.1Qaw – Data dependent CFM**
  - Current draft is D3.2
  - Working Group recirc ballot completed. One futher recirc and then Sponsor ballot.
- **P802-REV – Overview and Architecture revision**
  - Initial draft circulated. Looking for Editors.
- **P802.1AB-REV – Link layer discovery protocol revision**
  - Current draft is D4.0
  - Editing in progress prior to WG recirculation.

Next Interim meetings

January 2009:

– New Orleans, joint with 802.3

■ May 2009:

– Pittsburgh