

802.1 – Activities & status

Tony Jeffree, 802.1 WG Chair

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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)

- The following PARs are awaiting approval by the Standards Board:
 - P802.1AB-REV – LLDP – PAR modification (fix to the Purpose)
 - P802.1AC – MAC service – PAR extension
- The following PARs have been submitted for approval this

Status of current projects - (2)

- 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 D2.5
 - WG balloting in progress; comment resolution completed. WG balloting will continue.

Status of current projects - (3)

- P802.1ah – Provider Backbone Bridges
 - Now approved as a standard.
- 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 2.2
 - First WG 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 D3.4 generated and issued for WG ballot
 - Comment resolution completed. D3.4 will be issued for Sponsor ballot.
- P802.1aq – Shortest Path Bridging
 - Current draft is D0.4
 - Task Group balloting ongoing
- P802.1AR – Secure Device Identity
 - Current draft is D1.6
 - Working group balloting in progress.
- P802.1AS – Timing and Synchronization in LANs
 - Current draft D3.0
 - Task Group ballot completed; comment resolution completed. WG balloting expected.

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 D1.1
 - 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 D3.0
 - Second task group ballot completed; awaiting next TG ballot.
- P802.1Qaw – Data dependent CFM
 - Current draft is D3.0
 - Working Group balloting completed; comment resolution completed. WG recirculation ballot expected.
- P802-REV – Overview and Architecture revision
 - Initial draft circulated. Looking for Editors.
- P802.1AB-REV – Link layer discovery protocol revision
 - Current draft is D3.0
 - Editing in progress prior to WG recirculation.

Next Interim meetings

- September 2008:
 - Seoul, S Korea, 15th through 18th (also 802.3)
 - Portland, Oregon, 9th through 11th.
- January 2009:
 - Not decided as yet