

# 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
  - AV bridging
  - Congestion management
- Security
  - Secure frame transmission
  - Key management
  - Secure device identity
- LAN management
  - Discovery mechanisms
  - Connectivity fault management

# 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
- Congestion Management 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 PAR was approved by the Standards Board since the July meeting:
  - P802.1ak – Cor 1: Multiple Registration Protocol – Corrigendum 1.
- The following PARs have been submitted for approval:
  - P802.1X Revision (will replace P802.1af)
  - P802.1Qaz - Enhanced Transmission Selection for Bandwidth Sharing Between Traffic Classes
- All active 802.1 PARs can be found here:  
<https://development.standards.ieee.org/pub/active-pars?n=3>  
(Look under Sponsor=C/LM)

# 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
- P802.1af – Key Agreement
  - Current draft is D1.7
  - TG balloting in progress
- P802.1ag Connectivity Fault Management
  - Approved by RevCom; awaiting publication

# Status of current projects - (3)

- P802.1ah – Provider Backbone Bridges
  - Proposed amendment to 802.1Q to provide further scaling characteristics in conjunction with P802.1ad in large provider networks
  - Current draft is D4.0
  - Sponsor ballot will take place in November/December timeframe.
- 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 in progress.

# Status of current projects - (4)

- P802.1ap - Management Information Base (MIB) definitions for VLAN Bridges
  - Draft D3 generated and issued for WG ballot
  - Comment resolution completed; further balloting in December timeframe
- P802.1aq – Shortest Path Bridging
  - Current draft is D0.3
  - Awaiting next Task Group ballot
- P802.1AR – Secure Device Identity
  - Current draft is D1.2
  - Task group ballot completed; next TG ballot in December timeframe
- P802.1AS – Timing and Synchronization in LANs
  - Current draft D1.0
  - Task Group ballot resolution completed; further TG ballot in Dec/Jan timeframe

# Status of current projects - (5)

- P802.1Qat – Stream Reservation Protocol –
  - Current draft is D1.0
  - Task Group ballot resolution in progress
- P802.1Qau – Congestion Notification –
  - Current draft is D0.4
- P802.1H Revision – MAC Bridging of Ethernet – Recently approved PAR
  - No draft as yet

# Status of current projects - (6)

- P802.1Qav – Forwarding and queuing for time sensitive streams
  - Current draft is D0.4
  - Task group ballot in Nov/Jan timeframe
- P802.1Qaw – Data dependent CFM
  - Current draft is D1.1
  - Working Group balloting expected in Nov/Jan timeframe
- P802-REV – Overview and Architecture revision
  - No draft as yet
- P802.1AB-REV – Link layer discovery protocol revision
  - Current draft is D2.1
  - Editing in progress prior to WG balloting

# Next Interim meeting

- Los Gatos, California, 28-31 January 2008