

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 Sec TG Chair: Mick Seaman
- AV Bridging TG Chair: Michael Johas Teener
- Congestion Management TG Chair: Pat Thaler
- Link Sec TG Secretary: Allyn Romanow
- Maintenance of Email exploder: Hal Keen
- Maintenance of website: John Messenger
 - Website: <http://www.ieee802.org/1/>

Status of current projects - (1)

- The following draft PAR was forwarded to NesCom this week:
 - P802.1Qay: Provider Backbone Bridge Traffic Engineering. Links to PAR and 5C can be found here:

<http://ieee802.org/secmail/msg09018.html>

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 D0.9
 - Awaiting next TG ballot
- P802.1ag Connectivity Fault Management
 - Current draft is D8
 - Forwarded to Sponsor Ballot

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 D3.04
 - Undergoing comment resolution of first WG ballot
- 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 1.4
 - Further TG balloting in April/May timeframe
- IEEE Std 802.1ak:2007 – Multiple Registration Protocol
 - Amendment to 802.1Q to improve the performance/scalability of GARP-based applications (GVRP, GMRP) in provider networks
 - Approved by March RevCom

Status of current projects - (4)

- P802.1ap - Management Information Base (MIB) definitions for VLAN Bridges
 - Draft D0-1 generated and issued for TG ballot
 - Comment resolution completed
 - Further TG ballot expected April-May
- P802.1aq – Shortest Path Bridging
 - Current draft is D0.3
 - Awaiting next Task group ballot
- P802.1AR – Secure Device Identity
 - Current draft is D0.8
 - Under Task group balloting
- P802.1AS – Timing and Synchronization in LANs
 - Current draft D0-6

Status of current projects - (5)

- P802.1at – Stream Reservation Protocol – Recently approved PAR
 - Current draft is D0-3
- P802.1au – Congestion Notification – Recently approved PAR
 - Current draft is D0-1
- P802.1H Revision – MAC Bridging of Ethernet – Recently approved PAR

Status of current projects - (6)

- P802.1Qav – Forwarding and queing for time sensitive streams
 - PAR approved
- P802.1Qaw – Data dependent CFM
 - PAR approved
- P802-REV – Overview and Architecture revision
 - PAR approved
- P802.1AB-REV – Link layer discovery protocol revision
 - PAR approved
 - Current draft is D0.1
 - Task Group ballot on next draft

Next Interim meeting

- Geneva, Switzerland, week of 28-31
May 2007