

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
 - Joint meetings this week with 802.3, 802.11
- MAC Bridging
 - “traditional” bridging
 - VLAN bridging
 - Provider bridging
- Security
 - Secure frame transmission
 - Key management
- LAN management
 - Discovery mechanisms

Officers

- Chair: Tony Jeffree
- Vice Chair: Paul Congdon
- Recording Secretary: Michael Wright
- Interworking and Link Sec TG Chair: Mick Seaman
- 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)

- Revision of 802.1Q - VLANs
 - Sponsor balloting completed
 - Submitted to RevCom

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

Status of current projects - (3)

- P802.1ad Provider Bridges:
 - Sponsor balloting completed
 - Submitted to RevCom

Status of current projects - (4)

- P802.1AE – MAC Security
 - Initial Sponsor ballot completed
 - Comment resolution completed
 - At least 1 recirc needed before RevCom submission
- P802.1af – Key Agreement
 - Second draft generated
- P802.1ag Connectivity Fault Management
 - Second draft generated
 - TG ballot in November/December timeframe
 - WG ballot in Jan/Feb timeframe

Status of current projects - (5)

- P802.1ah – Provider Backbone Bridges
 - Proposed amendment to 802.1Q to provide further scaling characteristics in conjunction with P802.1ad in large provider networks
 - Second draft generated
 - Still at TG ballot stage
- 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.
 - Second draft generated
 - TG ballot conducted
 - Comment resolution proceeding
- P802.1ak – Multiple Registration Protocol
 - Proposed amendment to 802.1Q to improve the performance/scalability of GARP-based applications (GVRP, GMRP) in provider networks
 - Second TG ballot completed
 - Comment resolution completed
 - WG ballot in December timeframe

New PARs approved by NesCom

- P802.1AC – MAC Service
 - PAR revision to extend end dates
- P802.1AR – Secure Device Identity
- P802.1aq – Shortest Path Bridging
- P802.1ap - Management Information Base (MIB) definitions for VLAN Bridges

Interim meeting

- 10-13 January 2006 – Sacramento