

802.1 – Activities & status

Tony Jeffree, 802.1 WG Chair

6th March 2006

Areas of work

- 802 Architecture and interworking between 802 technologies
 - Cross-802 Architecture group
 - “Technical Plenary” if needed
- MAC Bridging
 - “traditional” bridging
 - VLAN bridging
 - Provider bridging
 - AV bridging
 - Congestion management
- 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
- AV Bridging TG Chair: Michael Johas Teener
- CM 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)

- **Revision of 802.1Q - VLANs**
 - Approved December 2005
- **P802.1ad Provider Bridges:**
 - Approved December 2005
- **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 - (2)

- P802.1AE – MAC Security
 - Sponsor ballot recirculation completed
 - Comment resolution completed
 - RevCom submission out of this meeting
- P802.1af – Key Agreement
 - Second draft generated
 - Expect TG balloting March/April timeframe
- P802.1ag Connectivity Fault Management
 - Draft 6 being generated
 - WG ballot in March/April timeframe

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
 - Draft 2.01 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.
 - Draft 2.0 being generated
 - Initial TG ballot conducted
 - Further TG balloting in March/April timeframe
- P802.1ak – Multiple Registration Protocol
 - Proposed amendment to 802.1Q to improve the performance/scalability of GARP-based applications (GVRP, GMRP) in provider networks
 - First WG ballot completed
 - Comment resolution completed
 - WG confirmation ballot in March/April timeframe

Status of current projects - (4)

- P802.1AR – Secure Device Identity
 - Initial draft produced
 - Second draft under development
- P802.1aq – Shortest Path Bridging
 - PAR approved, still at initial proposals stage
- P802.1ap - Management Information Base (MIB) definitions for VLAN Bridges
 - PAR approved, awaiting an initial draft

Next Interim meeting

- 15th-18th May 2006 – Beijing