802.1 – Activities & status

Tony Jeffree, 802.1 WG Chair

22 July 2005

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**
  - Main work is general cleanup plus alignment with revisions to 802.1D MAC Bridges
  - Necessary pre-cursor to ongoing amendments (Provider Bridging,…etc.)
  - Sponsor ballot closed; 1 "No" vote
  - Ballot comment resolution completed
  - Will need a recirculation in Aug/Sept timeframe
  - Conditional approval granted for RevCom submission

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:
  - An amendment to 802.1Q
  - Sponsor ballot closed
  - Ballot resolution completed
  - Will need a recirculation in Aug/Sept timeframe
  - Conditional approval granted for RevCom submission

Status of current projects - (4)

- **P802.1AE – MAC Security**
  - First working group recirc ballot completed
  - Ballot resolution completed
  - Will need further recirc
  - Sponsor ballot in Sep timeframe
- **P802.1af – Key Agreement**
  - Second draft generated
- P802.1ag Connectivity Fault Management
  - Second draft generated
  - TG ballot in August 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
  - TG ballot due in August 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.
  - Second draft generated
  - TG ballot in Sept 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
  - PAR approved
  - TG ballot completed; ballot resolution completed
  - Further TG ballot in August/Sept

New project proposals (PARs) approved for submission to NesCom

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

New project proposals (PARs) that will be submitted to the EC in November

- P802.1AM – Media Independent Radio Frequency (RF) Management of Wireless 802 Networks

Interim meeting

- Sept 19 through 22 in Orange County co-located with the Wireless Interim