IEEE P802.3 Maintenance

July 13th, 2000

La Jolla, CA

David Law

Status

- Maintenance committee met Wednesday July 12th
- Reviewed Maintenance flow
- Review and categorised all received request
- Reviewed PAR

Status

- Have 52 Maintenance requests

Ready for ballot	20
Awaiting clarification	5
Errata	20
To be categorised	0
Review by Technical expert	5
Withdrawn	2

- Ready to go to ballot now

IEEE P802.3ag Rev Maintenance Revision #6

- ## Scope

  Maintenance changes and current 802.3 Standard

- ## Purpose

  Add accumulated maintenance changes and provide general review of entire 802.3 standard

- ## Timeline

Working Group Ballot	July 2000
Sponsor Ballot	November 2000
Standards board approval	March 2001

1. Broad Market Potential

**Broad set(s) of applications
Multiple vendors, multiple users
Balanced cost, LAN vs. attached stations**

- **IEEE 802.3 will retain its Broad Market Potential after this project is complete**

2. Compatibility with IEEE Standard 802.3

Conformance with CSMA/ CD MAC, PLS
Conformance with 802.2
Conformance with 802 FR

- **The revision will ensure that 802.3 remains compatible with 802.2**

3. Distinct Identity

Substantially different from other 802.3 specs/ solutions
Unique solution for problem (not two alternatives/ problem)
Easy for document reader to select relevant spec

- **802.3 will remain the only CSMA/CD standard**

4. Technical Feasibility

Demonstrated feasibility; reports - - working models
Proven technology, reasonable testing
Confidence in reliability

- **Technical feasibility has been demonstrated in the field**

5. Economic Feasibility

Cost factors known, reliable data
Reasonable cost for performance expected
Total Installation costs considered

- **The revisions will not change the economic feasibility of the existing standard**

IEEE 802.3 Motion

IEEE 802.3 approves the PAR and 5 Criteria as submitted for 802.3ag Rev.

IEEE 802.3 requests the IEEE P802 LMSC Executive Committee to submit the 802.3ag Rev PAR to NESCOM.

IEEE 802.3 authorises Maintenance Requests categorised as B (Ready for Ballot) at the Wednesday 12th July Maintenance meeting be forwarded to Working Group Ballot as the P802.3ag Rev ballot package.

IEEE 802.3 authorises the IEEE P802.3ag Rev Task Force to conduct meetings and recirculation ballots as necessary to resolve comments received during the Working Group ballot.

M: Law   S: Quackenbush   Tech 75%
PASSED   Date: 13th July 2000
Y:87   N: 0   A: 5   Time: 10:10am

Revision Request 1050

- STANDARD:

  IEEE std 802.3-1998, IEEE std 802.3ac-1998 IEEE Std 802.3ab-1999, IEEE Std 802.3ad-2000

- PROPOSED REVISION TEXT:

  Change the name of the "802dot3(10006)" assignment to "ieee802dot3(10006)"

- RATIONALE FOR REVISION:

  According to ASN.1 (X.208, section 8.3): "An identifier shall consist of an arbitrary number (one or more) of letters, digits, and hyphens. The initial character shall be a lower-case letter. A hyphen shall not be the last character. A hyphen shall not be immediately followed by another hyphen. Note - the rules concerning hyphen are designed to avoid ambiguity with (possibly following) comment."

  In other words, you CANNOT start an identifier with a digit. As a MIB that contains this is therefore illegal, no one will be able to parse a MIB that contains the identifier "802dot3(10006)".

Revision Request 1050 (cont)

- IMPACT ON EXISTING NETWORKS:

    As the MIBs prior to IEEE Std 802.3ad have only been GDMO, it is unlikely that any MIBs are in use with this identifier. If anyone had tried to use the GDMO MIBs they would have been found this bug.

    The SNMP MIB in IEEE 802.3ad is slightly more of a problem however the following note was added prior to publication to try and lessen the impact.

    "Note: As this text goes to publication it is believed that the identifier "802dot3" i.e. in the context 802dot3 (10006), violates ASN rules ref ASN 1 (X.208 Section 8.3) and will therefore produce a syntax error when compiled. IEEE is taking action to change this identifier to "ieee802dot3" as quickly as possible."

IEEE 802.3 Motion

IEEE 802.3 affirms the classification of this Revision Request as a Errata and charters the Maintenance Chair and 802.3 Chair to progress this to resolution

M: Law   S: Quackenbush   Tech 75%
PASSED   Date: 13th July 2000
Y:76   N:0   A: 13   Time: 10:15am

IEEE P802.3
Maintenance Information

- There is a web site for our use at:

   http://www.ieee802.org/3/maint/index.html

- The Maintenance request form is available at:

  http://www.ieee802.org/3 /private/maint/revision_request.html
      Username: **802.3**
      Password: *******
      Password **is** case sensitive