IEEE 802.3 Rules

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Atlanta, GA
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Activities this week

• Met Wednesday
  – Reviewed comments received
    • Reviewed path forward for MIBs

Thanks to all those who attended
IEEE 802.3 Rules Change 3-03/07

- Met Wednesday
- Reviewed rules change 3-03/07
- Responded to 19 comments

| E (Editorial)          | 2 |
| ER (Editorial required)| 2 |
| T (Technical)          | 11|
| TR (Technical required)| 4 |

- Big ticket item
  - SNMP Management
- Substantive change
  - CSMA/CD MAC to IEEE 802.3 MAC
  - Addition to IEEE 802.3 compatibility list
    - Managed object definitions compatible with SNMP
  - Request will be made to add this to LMSC 5 Criteria
SNMP MIBs

• In the past the IETF defined and/or update SNMP MIBs for IEEE 802.3 projects
  – This was performed by the Ethernet Interfaces and Hub MIB (hubmib) Working Group

• This will no longer happen
  – First informed in March 2004
  – Not been a huge issue for the recent 10Gb/s PHY projects
  – Will be a issue for the more complex projects

• Steps needed for SNMP MIBs
  – Take on ownership of the current SNMP MIBs
    • IEEE 802.1 going through this process (RFC 4663)
  – Could be a separate projects or as part of ongoing projects
  – Projects define and/or update SNMP MIBs as required
MIBs – Proposed approach

• Separate document IEEE Std 802.3.1 MIBs
• Step 1 – Bring in existing MIBs
  – Maintenance project
    • MIB Task Force
      – Standing Task Force similar to Maintenance Task Force
  – Create the base IEEE 802.3.1 standard
    • From current IETF documents
  – Include GDMO MIB in IEEE 802.3.1
    • Extracted from IEEE Std 802.3
• Step 2 – Projects
  – Projects still do Clause 30 and Clause 45 as normal
    • No longer have to do GDMO
      – Actually better to do GDMO after Clause 30 is approved
  – Projects request MIB Task Force to do SNMP and GDMO
    • MIBs as separate amendment to IEEE Std 802.3.1
      – Do as required
        » Not necessarily one to one correspondence
        » E.g. IEEE Std 802.3an and IEEE Std 802.3aq as one project
      – Co-contingency if required
Assumptions about IEEE Std 802.3.1

- Separate standard from IEEE 802.3
- Retroactively applies to existing projects
  - Don’t need to do GDMO
  - MIB Task Force will address need for SNMP MIB
- Minimal text
  - Front matter and introductory clauses
  - MIBs for both GDMO and SNMP
    - Shall statement for each MIB
    - URL that points to downloadable machine readable format
      - Similar to 10GBASE-T Matrix
- Transfer process for IETF MIBs
  - Follow process defined RFC 4663
    - May need to be updated for IEEE 802.3
IEEE 802.3 Motion

IEEE 802.3 endorse the approach to IEEE 802.3 GDMO and SNMP MIBs described in slides ‘MIBs – Proposed approach’ and ‘Assumptions about IEEE Std 802.3.1’.

IEEE 802.3 charter the IEEE 802.3 Maintenance Task Force to progress this approach.

M: Law Tech (75%)/Edit (50%)
S: Frazier Pass/Fail
Y: 63 N: 0 A: 7