

IEEE 802.3 Rules

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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
 - http://www.ieee802.org/3/minutes/mar04/0304_IETF_report.pdf#Page=8
 - 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
S: Frazier

Tech (75%)/Edit (50%)
Pass/Fail

Y: 63

N: 0

A: 7