P802.3.1
Proposed Document Structure

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Howard Frazier
Broadcom Corporation

Ethernet MIB modules

2108	Definitions of Managed Objects for IEEE 802.3 Repeater Devices using SMIv2	82
3621	Power Ethernet MIB	20
3635	Definitions of Managed Objects for the Ethernet-like Interface Types	64
3637	Definitions of Managed Objects for the Ethernet WAN Interface Sublayer	37
4836	Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs)	67
4837	Managed Objects of Ethernet Passive Optical Networks (EPON)	91
4878	Definitions and Managed Objects for Operations, Administration, and Maintenance (OAM) Functions on Ethernet-Like Interfaces	58
5066	Ethernet in the First Mile Copper (EFMCu) Interfaces MIB	90
802.3	Annex 30A & Annex 30B	123
802.1AB	Annex F 802.3 LLDP extension MIB module	28
	Total	660

802.1 vs. IETF structure

- 802.1ap (an amendment to 802.1Q) is structured like this:
    - table of contents from 802.1ap

- note that the "structure of the MIBs", "relationship to other MIBs", "security considerations", and "MIB modules" are grouped together

- This makes sense since all of the MIB modules are related to bridges

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802.1 vs. IETF structure

- IETF RFC document structure for a MIB module is typically as follows:
    - table of contents from rfc5066
- note that the "relationship to other MIBs" comes first
- note that this document structure is duplicated for each MIB module RFC

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802.1 vs. IETF structure

- 802.1AB REV Annex F follows yet another variation on document structure, which is much less formal:

- MIB definitions, followed by security considerations

- No "relationship to other MIBs, no "structure of the MIB"

Recommendation

- Employ IETF structure
  - Each MIB module defined in a separate clause
  - Each MIB module clause contains subclauses for "relationship to other MIB modules", "structure of the MIB", MIB definitions", "security considerations"

"boiler plate" clauses

0. front matter

1. Overview

    1.1 Scope

    1.2 Purpose

2. Normative references

3. Definitions

4. Abbreviations

5. Conformance

MIB module clauses

6. Ethernet LLDP extension MIB module
7. Ethernet Operations, Administration, and Maintenance (OAM) MIB module
8. Ethernet repeater device MIB module
9. Ethernet DTE power via MDI MIB module
10. Ethernet Passive Optical Networks (EPON) MIB module
11. Ethernet-like interface MIB module

MIB module clauses

12. Ethernet in the First Mile Copper (EFMCu) interfaces MIB module

13. Ethernet WAN Interface Sublayer (WIS) MIB module

14. Ethernet Medium Attachment Units (MAUs) MIB module

15. GDMO specification for IEEE 802.3 managed object classes

16. GDMO and ASN.1 definitions for management