

P802.3.1 MIB Task Force Opening Report

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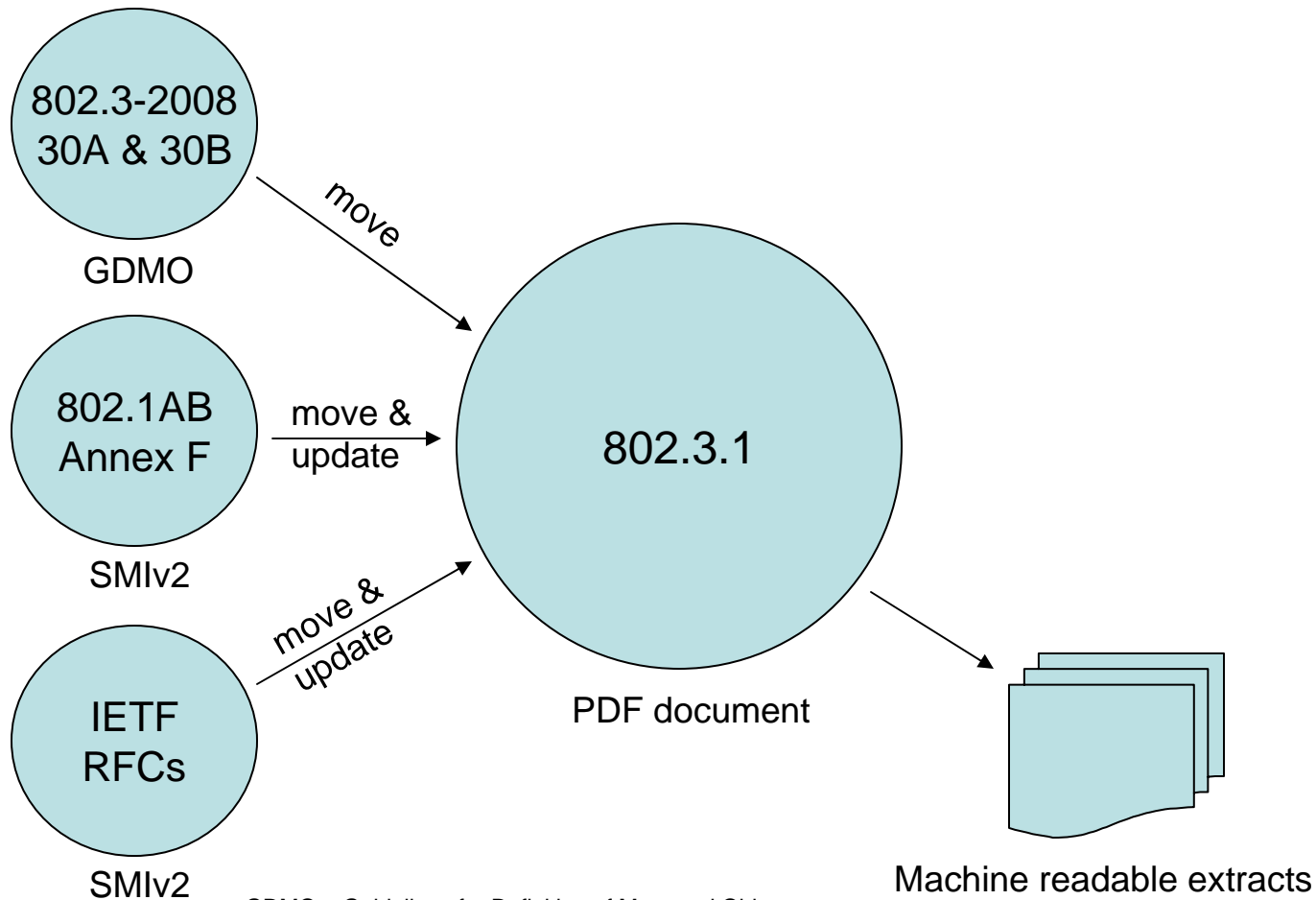
Orlando, FL

15-March-2010

Reflector and web

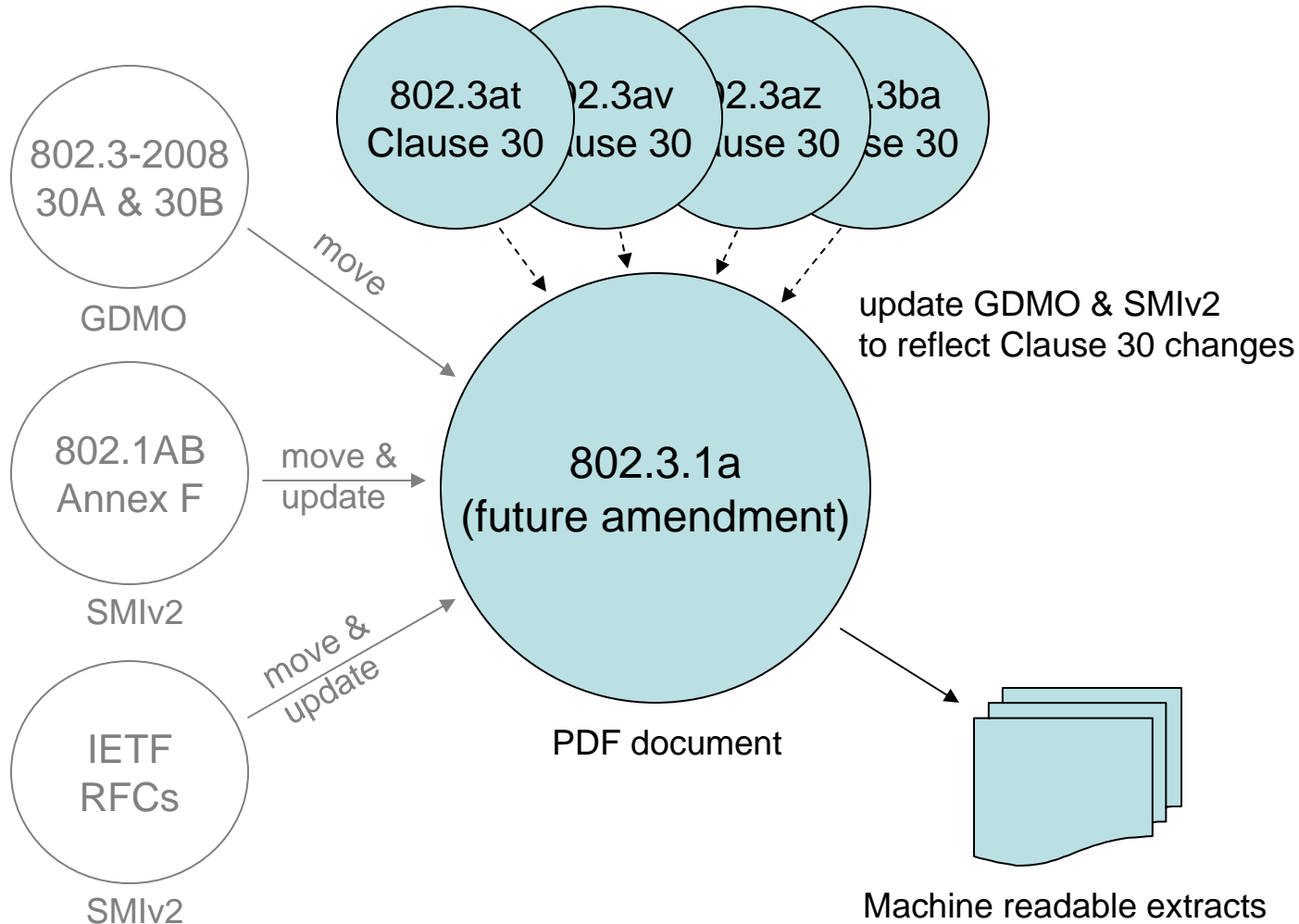
- email reflector and archive established
 - `stds-802-3-mib@listserv.ieee.org`
- Web page
 - <http://www.ieee802.org/3/be/index.html>
- Private web area (for draft documents)
 - <http://www.ieee802.org/3/be/private/index.html>
 - username: XXXXXX
 - password: XXXXXX

Initial Project



GDMO = Guidelines for Definition of Managed Objects
SMIv2 = Structure of Management Information, version 2
IETF = Internet Engineering Task Force
RFC = Request For Comments
PDF = Portable Document Format

Future Amendment



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Project Objectives

- Create a new standard – P802.3.1
- Include the MIB module definitions from
 - IEEE Std 802.3-2008 Annexes 30A and 30B
 - IEEE Std 802.1AB Annex F
 - IETF RFCs 2108, 3621, 3635, 3637, 4836, 4837, 4878, 5066
- Update the SMIv2 MIB module definitions to reflect changes from 802.3an (10GBASE-T), 802.3ap (Backplane), 802.3aq (LRM), and 802.3as (Frame format extensions)
- Produce draft standard and machine-readable extracts

Current status

- Met for ½ day in New Orleans
 - Reviewed draft D1.2
 - Resolved 166 comments
- Submitted request for new MAU type assignments to IANA
 - Approved and published on 2/23
 - <http://www.iana.org/assignments/ianamau-mib>
- Draft D1.9 posted in private area

"boiler plate" clauses

0. front matter
1. Overview
 - 1.1 Scope
 - 1.2 Purpose
 - 1.3 The Internet-Standard Management Framework
 - 1.4 Security considerations
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
- 8A. Topology mapping
9. Ethernet DTE power via MDI MIB module
10. Ethernet Passive Optical Networks (EPON) MIB module
11. Ethernet-like interface MIB module
12. Ethernet in the First Mile Copper (EFMCu) interfaces MIB module
13. Ethernet WAN Interface Sublayer (WIS) MIB module
- 13A. Collection of Performance Data Using WIS MDIO Registers
14. Ethernet Medium Attachment Units (MAUs) MIB module
 - A. Bibliography
 - B. GDMO specification for IEEE 802.3 managed object classes
 - C. GDMO and ASN.1 definitions for management

Plan for the week

- Meet Tuesday afternoon
- Review D1.9
- Review draft text for Clause 5 Conformance
- Review text of Clause 5 during closing plenary meeting on Thursday afternoon
 - Along with any other textual changes
- Request that draft D2.0 be submitted to Working Group ballot

Draft text for Clause 5

5. Conformance

Specific conformance information is included in each MIB module.