

# P802.3.1 MIB Task Force

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Geneva, CH  
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# 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

# Participants, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy. Participants:

- “Shall inform the IEEE (or cause the IEEE to be informed)” of the identity of each “holder of any potential Essential Patent Claims of which they are personally aware” if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
  - “Personal awareness” means that the participant “is personally aware that the holder may have a potential Essential Patent Claim,” even if the participant is not personally aware of the specific patents or patent claims
- “Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of such potential Essential Patent Claims” (that is, third parties that are not affiliated with the participant, with the participant’s employer, or with anyone else that the participant is from or otherwise represents)
- The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group

Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2

- Early identification of holders of potential Essential Patent Claims is strongly encouraged
- No duty to perform a patent search

# Patent Related Links

All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.

Patent Policy is stated in these sources:

IEEE-SA Standards Boards Bylaws

*<http://standards.ieee.org/guides/bylaws/sect6-7.html#6>*

IEEE-SA Standards Board Operations Manual

*<http://standards.ieee.org/guides/opman/sect6.html#6.3>*

Material about the patent policy is available at

*<http://standards.ieee.org/board/pat/pat-material.html>*

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at [patcom@ieee.org](mailto:patcom@ieee.org) or visit <http://standards.ieee.org/board/pat/index.html>

This slide set is available at <http://standards.ieee.org/board/pat/pat-slideset.ppt>

# Call for Potentially Essential Patents

- If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance:
  - Either speak up now or
  - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible or
  - Cause an LOA to be submitted

# Other Guidelines for IEEE WG Meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
  - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
  - **Don't discuss specific license rates, terms, or conditions.**
    - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
      - Technical considerations remain primary focus
  - **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**
  - **Don't discuss the status or substance of ongoing or threatened litigation.**
  - **Don't be silent if inappropriate topics are discussed ... do formally object.**

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See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy” for more details.

# Plan for the week

- Meet Monday morning and all day Tuesday
- Review status of LoAs and Copyright releases
- Consider and respond to comments on D2.0

# Current status

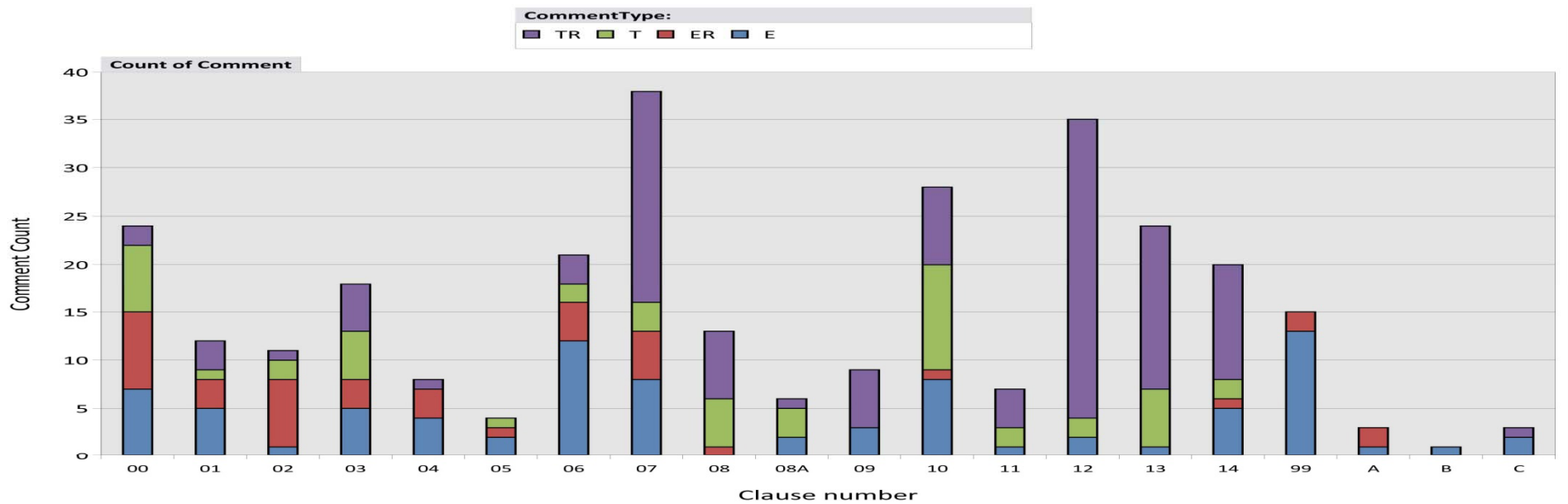
- Initial Working Group ballot results
  - Ballot closed 17-May-2010

	<b>D2.0</b>			
Voters	152	Return Ratio	56.58%	Valid
Approve	55	Approval Ratio	83.33%	Pass
Disapprove	11			
Abstain	20	Abstain Ratio	23.26%	Valid
Returns	86			



# Comments

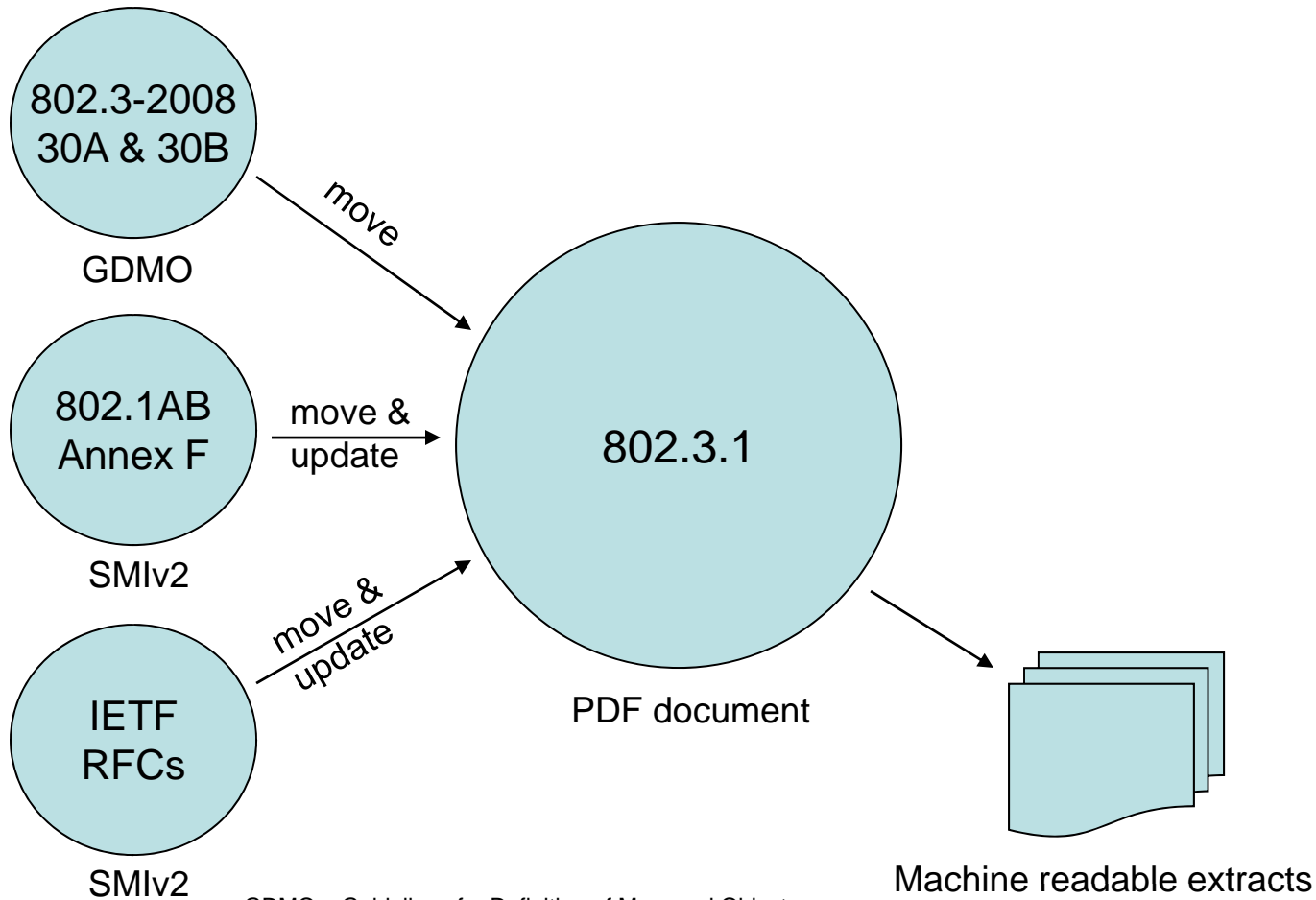
- Total of 300 comments received
  - 297 with ballots (7 withdrawn)
  - 3 via email without a ballot



# Big Ticket Items

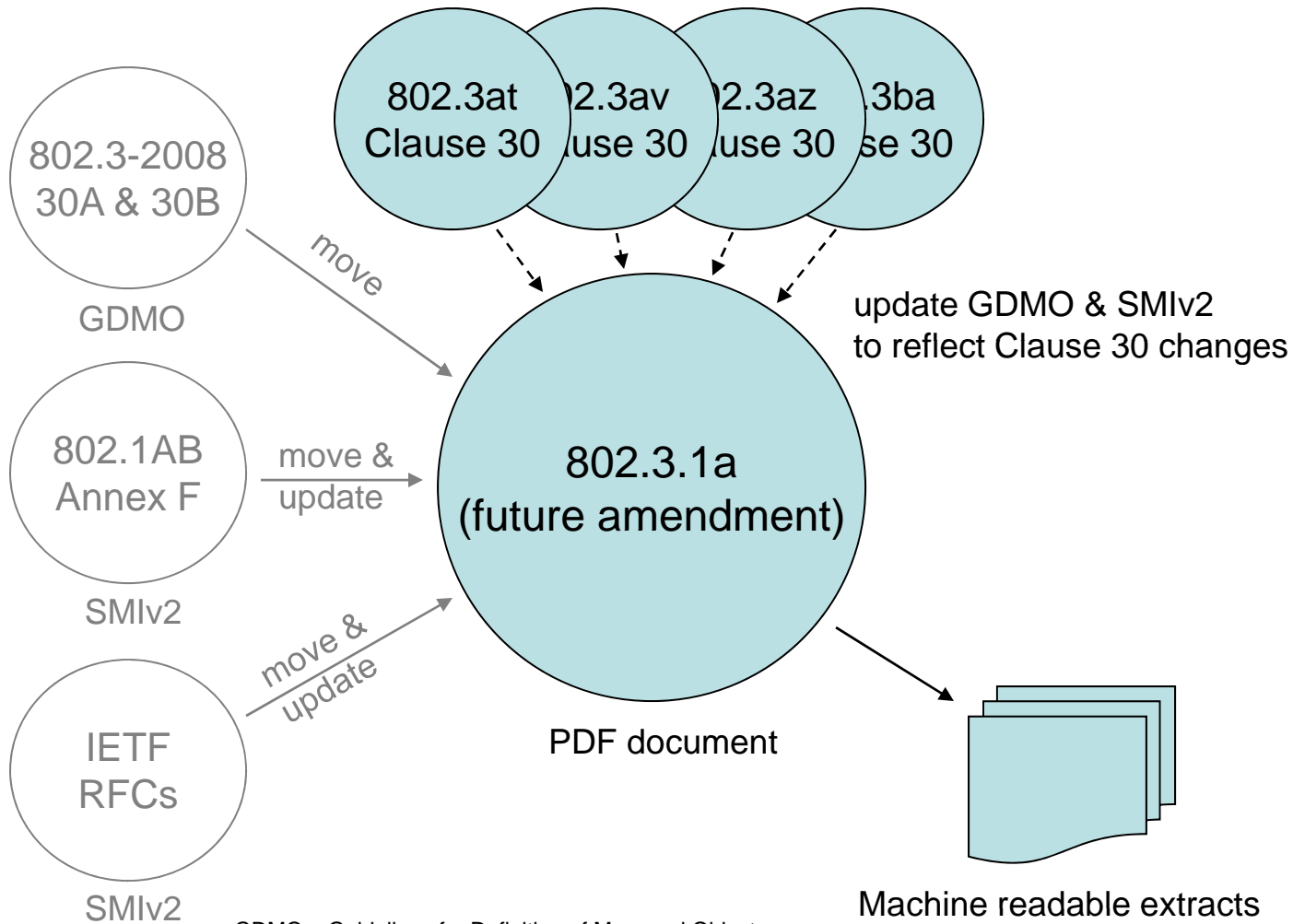
- Scope (e.g. 802.3av, 802.3ba, 802.3at, etc)
- Order of clauses
- Front matter
- Abbreviations
- Definitions
- References
- Must/shall/etc
- Cross-referencing
- Cl 6 references to 802.3 Cl 79 (especially in module definition)
- Cl 10 object mapping
- Structure of modules in Cl 6, 8, 11
- IANA relationship

# 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



GDMO = Guidelines for Definition of Managed Objects  
SMIv2 = Structure of Management Information, version 2  
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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

# "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

# Comment motion

Adopt the responses to the comments submitted on draft D2.0 as recorded in the editor's database. Charter the editor to produce draft 2.1 based on the responses.

M: Carlson S: Anslow

Tech  $\geq$  75%

Y: 6 N: 0 A: 1 Motion passes



# Recirculation ballot motion

Conduct a recirculation ballot on D2.1 with the entire draft open for comment. Scheduled to open on 11-June and to close on 2-July.

M: Diab S: Law

Tech  $\geq$  75%

Y:7 N:0 A:0 Motion Passes