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Transferring MIB Work from IETF Ethernet Interfaces and Hub MIB WG to
IEEE 802.3 WG
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Abstract

This document records the transfer of ownership of the Ethernet-related MIB modules DOT3-OAM-MIB, SNMP-REPEATER-MIB, POWER-ETHERNET-MIB, DOT3-EPON-MIB, EtherLike-MIB, EFM-CU-MIB, ETHER-WIS and MAU-MIB from the IETF to the IEEE 802.3 Working Group. This document also describes the procedures associated with the transfer, relying heavily on [RFC 4663](#) (which records an earlier transfer to the IEEE 802.1 Working Group) as the primary source.

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[1.](#) Introduction

[[RFC4663](#)], published in September, 2006, described a plan for transferring four MIB modules related to bridges from IETF to IEEE 802.1 ownership. Some years later, ownership of eight more MIB modules was transferred from the IETF Ethernet Interfaces and Hub MIB (hubmib) Working Group to the IEEE 802.3 Working Group. The MIB modules concerned are tabulated below ([Section 2](#)). [[RFC4663](#)] clearly enunciates the motivation for both transfers and also provides an introduction to IEEE standardization procedures. The discussions of those topics will not be repeated here.

The IEEE version of this second lot of transferred MIB modules was published as 802.3.1-2011 in February, 2011. The IEEE 802.3.1 specification was subsequently updated. The latest version, IEEE 802.3.1-2013 [[IEEE802.3.1-2013](#)], is the basis for this document.

[2.](#) IETF and Corresponding IEEE 802.3 MIB modules

This section tabulates the MIB modules that were transferred to IEEE 802.3, identifying the IETF source document, the corresponding clause of [[IEEE802.3.1-2013](#)], and the location of the MIB itself in ASCII

format.

IETF MIB Name: DOT3-OAM-MIB

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IETF Reference: Definitions and Managed Objects for Operations, Administration, and Maintenance (OAM) Functions on Ethernet-Like Interfaces [[RFC4878](#)]

IEEE 802.3 MIB Name: IEEE8023-DOT3-OAM-MIB

IEEE 802.3.1-2013 description: Clause 6, Ethernet operations, administration, and maintenance (OAM) MIB module

MIB Location: http://www.ieee802.org/3/1/public/mib_modules/20130411/802dot3dot1C6mib.txt

IETF MIB Name: SNMP-REPEATER-MIB

IETF Reference: Definitions of Managed Objects for IEEE 802.3 Repeater Devices using SMIV2 [[RFC2108](#)]

IEEE 802.3 MIB Name: IEEE8023-SNMP-REPEATER-MIB

IEEE 802.3.1-2013 description: Clause 7, Ethernet repeater device MIB module

MIB Location: http://www.ieee802.org/3/1/public/mib_modules/20130411/802dot3dot1C7mib.txt

IETF MIB Name: POWER-ETHERNET-MIB

IETF Reference: Power Ethernet MIB [[RFC3621](#)]

IEEE 802.3 MIB Name: IEEE8023-POWER-ETHERNET-MIB

IEEE 802.3.1-2013 description: Clause 8, Ethernet data terminal equipment (DTE) power via medium dependent interface (MDI) MIB module

MIB Location: http://www.ieee802.org/3/1/public/mib_modules/20130411/802dot3dot1C8mib.txt

IETF MIB Name: DOT3-EPON-MIB

IETF Reference: Managed Objects of Ethernet Passive Optical Networks (EPON) [[RFC4837](#)]

IEEE 802.3 MIB Name: IEEE8023-DOT3-EPON-MIB

IEEE 802.3.1-2013 description: Clause 9, Ethernet passive optical networks (EPON) MIB module

MIB Location: http://www.ieee802.org/3/1/public/mib_modules/20130411/802dot3dot1C9mib.txt

IETF MIB Name: EtherLike-MIB

IETF Reference: Definitions of Managed Objects for the Ethernet-like Interface Types [[RFC3635](#)]
IEEE 802.3 MIB Name: ieee8023etherMIB
IEEE 802.3.1-2013 description: Clause 10, Ethernet-like interface MIB module
MIB Location: http://www.ieee802.org/3/1/public/mib_modules/20130411/802dot3dot1C10mib.txt

IETF MIB Name: EFM-CU-MIB
IETF Reference: Ethernet in the First Mile Copper (EFMCu) Interfaces MIB [[RFC5066](#)]
IEEE 802.3 MIB Name: IEEE8023-EFM-CU-MIB

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IEEE 802.3.1-2013 description: Clause 11, Ethernet in the First Mile copper (EFMCu) interfaces MIB module
MIB Location: http://www.ieee802.org/3/1/public/mib_modules/20130411/802dot3dot1C11mib.tx

IETF MIB Name: ETHER-WIS
IETF Reference: Definitions of Managed Objects for the Ethernet WAN Interface Sublayer [[RFC3637](#)]
IEEE 802.3 MIB Name: IEEE8023-ETHER-WIS-MIB
IEEE 802.3.1-2013 description: Clause 12, Ethernet wide area network (WAN) interface sublayer (WIS) MIB module
MIB Location: http://www.ieee802.org/3/1/public/mib_modules/20130411/802dot3dot1C12mib.txt

IETF MIB Name: MAU-MIB
IETF Reference: Definitions of Managed Objects for IEEE 802.3 Medium Attachment Units (MAUs) [[RFC4836](#)]
IEEE 802.3 MIB Name: IEEE8023-MAU-MIB
IEEE 802.3.1-2013 description: Clause 13, Ethernet medium attachment units (MAUs) MIB module
MIB Location: http://www.ieee802.org/3/1/public/mib_modules/20130411/802dot3dot1C13mib.txt

3. Procedural Aspects Of the Transfer

3.1. IEEE MIB Modules in ASCII Format

The content of [Section 2.2 of \[RFC4663\]](#) is accurate also for this document.

3.2. OID Registration for New MIB Modules

The IEEE 802.3 WG adopted the approach recommended in [\[RFC4663\]](#), [Section 2.3](#) of developing an IEEE MIB module and defining new compliance clauses under the IEEE OID branch. Information about the IEEE 802.3 Management Registration Arcs can be found at <http://www.ieee802.org/3/arcs/index.html>.

3.3. Mailing List Discussions

The Ethernet Interfaces and Hub MIB WG has completed its documents, and the WG was closed in September 2007. The mailing list stayed open for a while, and was closed a few years later. The appropriate mailing list for IEEE 802.3 MIB modules discussion is STDS-802-3-MIB@LISTSERV.IEEE.ORG.

To see general information about 802.3, including how they work and how to participate, go to <http://www.ieee802.org/3/>.

3.4. IETF MIB Doctor Reviews

The content of [Section 5 of \[RFC4663\]](#) is accurate also for this document, noting that from the point of view of the present document, 802.3 should replace 802.1 wherever it occurs in the text.

4. Security Considerations

This document records the transfer of ownership of Ethernet-related MIB modules to IEEE 802.3.1 several years ago. The transfer has no security implications.

5. IANA Considerations

This document requires no actions by IANA.

6. IPR Considerations

See [Section 9 of \[RFC4663\]](#).

7. Acknowledgements

Thanks to Juergen Schoenwaelder and Howard Frazier for their reviews and comments on both the initial and the present versions of this document.

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