                   MIB Transfer from the IETF to the IEEE 802.3 WG

Abstract

   This document records the transfer of responsibility for 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
   (WG). This document also describes the procedures associated with
   the transfer in a similar way to how RFC 4663 records the transfer of
   the IETF Bridge MIB work to the IEEE 802.1 WG.

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1. Introduction

   [RFC4663], published in September 2006, described a plan for
   transferring responsibility for four MIB modules related to bridges
   from the IETF to IEEE 802.1. Some years later, responsibility for
   eight more MIB modules was transferred from the IETF Ethernet
   Interfaces and Hub MIB (hubmib) WG to the IEEE 802.3 WG. 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
   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: IEEE8023-Etherlike-MIB
      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
      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.txt

      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 also accurate for this
   document.

3.2. OID Registration for New MIB Modules

   The IEEE 802.3 WG adopted the approach recommended in Section 2.3 of
   [RFC4663] 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 also accurate 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. Informative References

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