

## P802.3.1

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**Type of Project:** Revision to IEEE Standard 802.3.1-2011

**PAR Request Date:** 18-May-2011

**PAR Approval Date:** 16-Jun-2011

**PAR Expiration Date:** 31-Dec-2015

**Status:** PAR for a Revision to an existing IEEE Standard

**Root Project:** 802.3.1-2011

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**1.1 Project Number:** P802.3.1

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard for Management Information Base (MIB) definitions for Ethernet

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**3.1 Working Group:** Ethernet Working Group (C/LM/WG802.3)

**Contact Information for Working Group Chair**

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**3.2 Sponsoring Society and Committee:** IEEE Computer Society/LAN/MAN Standards Committee (C/LM)

**Contact Information for Sponsor Chair**

**Name:** Paul Nikolich

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None

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**4.1 Type of Ballot:** Individual

**4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot:** 03/2012

**4.3 Projected Completion Date for Submittal to RevCom:** 08/2012

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 50

**5.2 Scope:** This standard contains the Management Information Base (MIB) module specifications for IEEE Std 802.3, also known as Ethernet. It includes Structure of Management Information version 2 (SMIv2) MIB module specifications and Guidelines for the Definition of Managed Objects (GDMO) MIB modules. The SMIv2 MIB modules are intended for use with the Simple Network Management Protocol (SNMP), commonly used to manage Ethernet. The Structure of Management Information version 2 (SMIv2) MIB module specifications were formerly produced and published by the Internet Engineering Task Force (IETF), and the Guidelines for the Definition of Managed Objects (GDMO) MIB modules were formerly specified within IEEE Std 802.3. This standard includes extensions resulting from amendments to IEEE Std 802.3 that were not reflected in IETF specifications.

**Old Scope:** This standard contains the Management Information Base (MIB) module specifications for IEEE Std 802.3, also known as Ethernet. It includes the Structure of Management Information Version 2 (SMIv2) MIB module specifications formerly produced and published by the Internet Engineering Task Force (IETF), and the Guidelines for the Definition of Managed Objects (GDMO) MIB modules formerly specified within IEEE Std 802.3, as well as extensions resulting from recent amendments to IEEE Std 802.3. The SMIv2 MIB modules are intended for use with the Simple Network Management Protocol (SNMP), commonly used to manage Ethernet.

**5.3 Is the completion of this standard dependent upon the completion of another standard:** No

**5.4 Purpose:** The purpose of the standard is to publish the SMIv2 and GDMO MIB module specifications in a single document that is separate from IEEE Std 802.3, wherein the SMIv2 module specifications are also published in a machine-readable format. Amendments and revisions to IEEE Std 802.3.1 may be performed to update the MIB module specifications as required to track amendments

**Old Purpose:** The purpose of the standard is to publish the SMIv2 and GDMO MIB module specifications in a single document that is separate from IEEE Std 802.3, and that can be published in a machine-readable format. Future amendments and revisions to IEEE Std 802.3.1 will be performed to update the MIB specifications as required to track future amendments and revisions to IEEE Std 802.3.

and revisions to IEEE Std 802.3.

**5.5 Need for the Project:** Ethernet network administrators need standard specifications for MIB modules so that different devices on their networks can be managed in a consistent fashion. Several amendments to IEEE Std 802.3 have been approved recently, and MIB modules specified in IEEE Std 802.3.1 must be updated to reflect these amendments.

**5.6 Stakeholders for the Standard:** Ethernet network component suppliers, system suppliers, network management software suppliers, network administrators.

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### **Intellectual Property**

**6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?:** No

**6.1.b. Is the Sponsor aware of possible registration activity related to this project?:** No

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**7.1 Are there other standards or projects with a similar scope?:** No

### **7.2 Joint Development**

**Is it the intent to develop this document jointly with another organization?:** No

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**8.1 Additional Explanatory Notes (Item Number and Explanation):**