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Draft PAR Confirmation Number
Submittal Email: hfrazier@broadcom.com
Type of Project: PAR for a New Standard
1.1 Project Number: P802.3.1
1.2 Type of Document: Standard for
1.3 Life Cycle: Full
2.1 Title of Standard: Standard for Management Information Base (MIB) definitions for Ethernet
3.1 Name of Working Group: Ethernet Working Group(C/LM/WG802.3) **Contact information for Working Group Chair** David Law Musselburgh, East Lothian EH21 6UR GB david_law@ieee.org **Working Group Vice Chair:** Wael Diab SAN FRANCISCO, CALIFORNIA US, **Email:** wael.diab@gmail.com
3.2 Sponsoring Society and Committee:IEEE Computer Society/Local and Metropolitan Area Networks(C/LM) **Contact information for Sponsor Chair:** Paul Nikolich 18 Bishops Lane Lynnfield, MA 01940 US p.nikolich@ieee.org **Contact information for Standards Representative:**
4.1 Type of Ballot: Individual
4.2 Expected Date of Submission for Initial Sponsor Ballot: 2010-09
4.3 Projected Completion Date for Submittal to RevCom: 2011-02
5.1 Approximate number of people expected to work on this project: 10
5.2 Scope of Proposed Standard: 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 is dependent upon the completion of another standard: No **If yes, please explain:**

5.4 Purpose of Proposed Standard: 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.

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. The IETF formerly created and published Ethernet MIB module specifications using the SMIv2 format for use with SNMP, which is the most widely used network management protocol. The IETF has decided to not create or publish any future updates to the SMIv2 MIB module specifications for Ethernet, so the IEEE 802.3 Ethernet Working Group has decided to take on this task. Consolidating the SMIv2 and GDMO MIB module specifications into a single standalone document will make it somewhat easier to update and maintain the MIB modules. Publishing the MIB modules in a machine-readable format will make it easier for network management software designers to use the specifications.

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

Intellectual Property
6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board? Yes
If yes, state date: 2008-07-15
If no, please explain:
6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? Yes
If yes, please explain: May need copyright releases from the original authors of the Structure of Management Information Version 2 (SMIv2) Management Information Base (MIB) module documents, following a similar procedure to that described in Internet Engineering Task Force (IETF) Request for Comments (RFC) 4663. This procedure has been reviewed and agreed to by the IEEE-SA Manager of Standards Intellectual Property.
6.1.c. Is the Sponsor aware of possible registration activity related to this project? No
If yes, please explain:

7.1 Are there other standards or projects with a similar scope? Yes
Explanation: SMIv2 MIB module definitions for Ethernet-like interfaces have been produced and published by the IETF, but the IETF has clearly stated that it will not continue this line of work. Thus, there is a critical need for the IEEE 802.3 Working Group to assume the responsibility for maintaining these vital specifications.
Sponsor Organization: IETF
Project/Standard Number: RFC 3635 et al
Project/Standard Date: 2003-09-30
Project/Standard Title:Definitions of Managed Objects for the Ethernet-like Interface Types

7.2 International Standards Activities
a. Adoptions
Is there potential for this standard to be adopted by another organization? No
Organization:
Technical Committee Name:
Technical Committee Number:
Contact person Name:
Contact Phone:
Contact Email:
b. Joint Development
Is it the intent to develop this document jointly with another organization? No
Organization:

Technical Committee Name:
Technical Committee Number:
Contact person Name:
Contact Phone:
Contact Email:

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts? No

Organization:
Technical Committee Name:
Technical Committee Number:
Contact person Name:
Contact Phone:
Contact Email:

8.1 Additional Explanatory Notes: (Item Number and Explanation)

Contact the NesCom Administrator