

IEEE 802.3 Maintenance Task Force Closing Report

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Chair, IEEE 802.3 Maintenance TF

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Maintenance Task Force

- Task Force Organization
 - Adam Healey, Chair
- Task Force web and reflector information
 - Reflector: <http://www.ieee802.org/3/maint/reflector.html>
 - Home page: <http://www.ieee802.org/3/maint/index.html>
 - IEEE 802.3 Maintenance Request form:
http://www.ieee802.org/3/private/maint/revision_request.html

Activities this week

- Met Wednesday 12 November
- Considered comments from other IEEE 802 Working Groups on draft IEEE P802.3 revision PAR
- Sent responses to comments to the IEEE 802 LMSC reflector (before Wednesday 6:30 pm deadline)
- Updated draft revision PAR

Major PAR form questions

- The PAR form is completed on-line through the myProject system. Many of the PAR questions are pro forma and are automatically completed by selecting a “revision” project.
- These slides propose responses to the major items from the PAR form to assist in consensus building leading up to approving a completed draft PAR form.

PAR item 2.1 – Project title

Project title: **Standard for Ethernet**

Help text: The title shall not contain the acronym "IEEE". This is added to the title when the standard publishes. All other acronyms shall be spelled out in the title. Typically titles begin with "Standard for...", "Guide for..." or "Recommended Practice for...". If a general term is used to represent ranges (e.g. high, medium, low) within the title, scope, or purpose, numerically define such ranges where they first appear (title, scope, or purpose, as applicable).

PAR items 4.2 and 4.3 – Project dates

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Standards Committee Ballot:

04/2027

Help text: Enter the date the draft standard is planned to be submitted to IEEE SA for Initial Standards Association Ballot.

4.3 Projected Completion Date for Submittal to RevCom:

10/2027

Help text: Enter the date the draft standard is planned to be submitted to RevCom for processing (not to exceed four years from the date of PAR submission). It is suggested to allow at least six months after Initial Standards Association Ballot for the ballot process.

PAR item 5.1 – Project participation

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

230

Help text: This includes Working Group members and additional nonvoting participants.

PAR item 5.2 – Scope of proposed standard

5.2 Scope of proposed standard:

This standard defines Ethernet local area, access, and metropolitan area networks. Ethernet is specified at selected speeds of operation; and uses a common media access control (MAC) specification and management information base (MIB). The Carrier Sense Multiple Access with Collision Detection (CSMA/CD) MAC protocol specifies shared medium (half duplex) operation, as well as full duplex operation. Speed specific Media Independent Interfaces (MIIs) provide an architectural and optional implementation interface to selected Physical Layer entities (PHY). The Physical Layer encodes frames for transmission and decodes received frames with the modulation specified for the speed of operation, transmission medium, and supported link length. Other specified capabilities include: control and management protocols, and the provision of power over selected twisted pair PHY types.

Help text: The Scope should appear as it will in the draft standard. The scope of the standard shall explain in statements of fact what is covered in the standard and, if necessary, what is not covered in the standard in other words, the technical boundaries of the document. The scope should be succinct so that it can be abstracted for bibliographic purposes. The Scope stated on the PAR shall be written in present tense, in complete sentences, and with proper grammar as it is intended to appear in the published standard. All acronyms shall be spelled out at first use. The title and (if appropriate) date of any document referenced in the Scope shall be listed in the Additional Explanatory Notes field at the end of this PAR form.

PAR item 5.3 – Project contingency

5.3 Is the completion of this standard contingent upon the completion of another standard?

No.

Help text: Your explanation should include how the standard is dependent upon the completion of another standard. Also, if applicable, why a PAR request is being submitted if the standard currently under development is not yet complete. The title and number of the standard which this project is contingent upon shall be included in the explanation.

PAR item 5.4 – Purpose

5.4 Will this document contain a purpose clause?

No.

Note: IEEE Std 802.3 does not contain a Purpose Clause.

PAR item 5.5 – Need for the project

5.5 Need for the Project:

IEEE Std 802.3-2022 needs to be revised to allow future amendments to be considered per standards board policies. This revision will include the merge of approved amendments and accumulated maintenance changes. As there are a number of amendment projects currently in the “pipeline”, it is desirable to complete this revision in a timely manner to provide a solid base for balloting of the projects that will follow. Timely completion of the revision is also desired to avoid delays to these projects. The consequence of these schedule considerations is that new capabilities or functional enhancements may have to be deferred to future projects.

Help text: The need for the project details the specific problem that the standard will resolve and the benefit that users will gain by the publication of the standard. The need statement should be brief, no longer than a few sentences.

PAR item 5.6 – Stakeholders

5.6 Stakeholders for the Standard:

Ethernet is pervasive, with a consequent pervasive set of stakeholders. This includes component providers (e.g., optical transceivers, cabling and integrated circuit), system product providers (e.g., switch and network interface card), network providers (e.g., installers, network support), bandwidth providers (e.g., carriers), software providers (e.g., network management), providers of network powered or powering devices, and the users of any of these products or services.

Help text: The stakeholders (e.g., telecom, medical, environmental) for the standard consist of any parties that have an interest in or may be impacted by the development of the standard.

Motion

- Approve the IEEE P802.3 (IEEE 802.3du) Revision to IEEE Std 802.3-2022 PAR in <https://mentor.ieee.org/802-ec/dcn/25/ec-25-0234-02-LMSC-draft-ieee-p802-3-ieee-802-3du-par.pdf>
- M: A. Healey S: