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This PAR is valid until 31-Dec-2009. The original PAR was approved on 30-Jan-2009

PAR Extension Request Date: 14-Jul-2009
Extension Request Submitter Email: david_law@ieee.org
Why is an extension required?: Although IEEE P802.3at sponsor balloting is nearly complete, IEEE P802.3at is contingent on IEEE P802.3bc which has only just recently started sponsor balloting. This could result in the situation where sponsor balloting of IEEE P802.3at is complete, yet IEEE P802.3at can not be submitted to RevCom as it will have to await the completion of sponsor balloting of IEEE P802.3bc.

The extension is therefore being requested to guarantee project continuity should either unexpected delays occur during the IEEE P802.3at sponsor ballot process, or the completion of the IEEE P802.3bc project delay the submission of IEEE P802.3at beyond December 2009.

Do the title, scope and purpose match that of the current draft?: Yes
Number of Previous Extensions Requested: 0
Number of Years Being Requested: 1
Document Development Information
  a. What date did you begin writing the first draft?: 01-Mar-2007
  b. How many people are actively working on the project?: 35
  c. How many times a year does the working group meet?
    In person?: 6
    Via teleconference?: 0
  d. How many times a year is a draft circulated to the working group via electronic means?: 6
  e. What percentage of the Draft is stable?: 99%
  f. How many significant work revisions has the Draft been through?: 14
Project Plan
  When will IEEE sponsor balloting begin?: 21-Jan-2009
  When do you estimate that the final IEEE Sponsor ballot will be completed?: 15-Aug-2009
  When do you expect to submit the proposed standard to RevCom?: 01-Sep-2009
Has this document already been adopted by another source?: No

For an extension request, the information on the original PAR below is not open to modification.

Submitter Email: david_law@ieee.org
Type of Project: Modify Existing Approved PAR

1.1 Project Number: P802.3at
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Information Technology Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks Specific Requirements Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD)
Access Method and Physical Layer Specifications
Amendment: Data Terminal Equipment (DTE) Power Via the Media Dependent Interface (MDI) Enhancements

Old Title: Standard for Information technologyTelecommunications and information exchange between systemsLocal and metropolitan area networksSpecific requirementsPart 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) access method and physical layer specifications Amendment: DTE Power via the MDI Enhancements

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3.1 Working Group: Ethernet Working Group (C/LM/WG802.3)
Contact Information for Working Group Chair
    Name: David Law
    Email Address: david_law@ieee.org
    Phone: +44 131 665 7264
Contact Information for Working Group Vice-Chair
    Name: Wael Diab
    Email Address: wael.diab@gmail.com
    Phone: 4154468066

3.2 Sponsoring Society and Committee: IEEE Computer Society/Local and Metropolitan Area Networks (C/LM)
Contact Information for Sponsor Chair
    Name: Paul Nikolich
    Email Address: p.nikolich@ieee.org
    Phone: 857.205.0050
Contact Information for Standards Representative
None

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 12/2008
4.3 Projected Completion Date for Submittal to RevCom: 09/2009

5.1 Approximate number of people expected to be actively involved in the development of this project: 30
5.2 Scope: The scope of this project is to augment the capabilities of the IEEE Std 802.3 standard with higher power levels and improved power management information. The project will augment the methodology for the provision of power via balanced cabling to connected Data Terminal Equipment with 802.3 interfaces. Optional augmented power limit will be made available for certain structured cabling systems. Compatibility with existing equipment will be maintained.
5.3 Is the completion of this standard dependent upon the completion of another standard: Yes
If yes please explain: The IEEE P802.3at amendment is contingent on the completion of IEEE P802.3bc Ethernet Organizationally Specific TLVs amendment. The IEEE P802.3at amendment will contain additions to the IEEE 802.3 Organizationally Specific TLVs (TLV: type, length, value. Information element consisting of sequential type, length, and value fields). The IEEE 802.3 Organizationally Specific TLVs are currently specified in IEEE Std 802.1AB. The IEEE P802.3bc amendment will transfer these TLVs from IEEE Std 802.1AB to IEEE Std 802.3. This transfer needs to be complete before the additional TLVs are added by the IEEE P802.3at amendment.

5.4 Purpose: The purpose of the proposed project is to include higher power applications while providing enhanced power management information to reduce total system cost.
5.5 Need for the Project: Since the publication of IEEE Std 802.3af-2003, significant market demand has emerged for applications (e.g. multiband wireless access points and controllable security cameras) beyond the power level defined in the standard. Evolution of the installed base of structured cabling systems since the time of commencement of the IEEE 802.3af project now enables higher attainable power. The market now demands that the tota

system cost of augmented power levels must be mitigated through improved power management.

5.6 Stakeholders for the Standard: Ethernet component providers (e.g., cabling and integrated circuit), system product providers (e.g., switch and end stations), network providers (e.g. installers, network support, enterprise network implementers).

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: 15-Mar-2005
6.1.b. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.c. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No
7.2 International Activities
   a. Adoption
   Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: No
   b. Joint Development
   Is it the intent to develop this document jointly with another organization?: No
   c. Harmonization
   Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?:
No

8.1 Additional Explanatory Notes (Item Number and Explanation): There has been no change to the Title, Scope or Purpose. This modified PAR is to update the IEEE P802.3at amendment to be contingent on the IEEE P802.3bc amendment.

During this modification the opportunity was taken to:
[1] Items 4.2 and 4.3: Update target dates for initial sponsor ballot and submission to RevCom.
[2] Item 7.2: Remove the intent to submit the amendment for adoption by ISO/IEC JTC1, as part of ISO/IEC 8802-3.
[3] Item 5.1: Added the approximate number of people expected to work on the project, this question was not present on the original PAR.
[4] Item 5.6: Added the stake holders, this question was not present on the original PAR.

PICS proforma will be expanded and updated to cover the augmented capabilities provided by this project.
[5] Item 6.1: The patent slides have been reviewed at every Working Group meeting. They were most currently reviewed at the meeting held 11 November 2008 at which this PAR modification submittal was approved by the Task Force.

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