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Draft PAR Confirmation Number
Submittal Email: David_Law@3Com.com
Type of Project: Modify Existing Approved PAR
1.1 Project Number: P802.3at
1.2 Type of Document: Standard for
1.3 Life Cycle: Full
2.1 Title of Standard: 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
3.1 Name of Working Group: Ethernet Working Group(C/LM/WG802.3) Contact information for Working Group Chair David Law Musselburgh, East Lothian 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 Lynnfield, MA 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: 2008-12
4.3 Projected Completion Date for Submittal to RevCom: 2009-09
5.1 Approximate number of people expected to work on this project: 30
5.2 Scope of Proposed Standard: 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 is 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 of Proposed Standard: 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 total 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: 2005-03-15

If no, please explain:

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

If yes, please explain:

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? No

Explanation:

Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

7.2 International Standards Activities

a. Adoptions

Is there potential for this standard to be adopted by another organization? No

Organization: ISO/IEC JTC1

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)

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] Update target dates for initial sponsor ballot and submission to RevCom. [2] Remove the intent to submit the amendment for adoption by ISO/IEC JTC1, as part of ISO/IEC 8802-3. [3] Added the approximate number of people expected to work on the project, this question was not present on the original PAR. [4] Added the stake holders, this question was not present on the original PAR.

Contact the [NesCom Administrator](#)