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**1. ASSIGNED PROJECT NUMBER:** 802.3at

**2. SPONSOR DATE OF REQUEST:** 22-Jul-2005

**3. TYPE OF DOCUMENT:** Standard

**4. TITLE OF DOCUMENT:** 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: DTE Power via the MDI Enhancements

**5. LIFE CYCLE:** Full-Use

**6. TYPE OF PROJECT:** Amendment 802.3

Modified PAR?  
In Ballot?

## **7. WORKING GROUP INFORMATION**

Name of Working Group: IEEE 802.3 CSMA/CD (Ethernet)  
Approximate Number of Expected Working Group Members: 200

## **8. CONTACT INFO FOR WORKING GROUP CHAIR**

Name of Working Group Chair: Robert Grow  
Telephone: 858-391-4622  
FAX: 858-391-4657  
E-mail: bob.grow@ieee.org

## **9. CONTACT INFO OF CO-CHAIR/OFFICIAL REPORTER**

Name of Co-Chair/Official Reporter:  
Telephone:  
FAX:  
E-mail:

## **10. CONTACT INFO OF SPONSOR**

Sponsor: C/LM  
Name of Sponsor Chair: Paul Nikolich  
Telephone: (857) 205-0050  
FAX: (781) 334-6524  
E-mail: p.nikolich@ieee.org

**11. TYPE OF SPONSOR BALLOT:** Individual

Expected Date of Submission for Initial Sponsor Ballot: Nov-2007

**12. PROJECTED COMPLETION DATE FOR SUBMITTAL TO REVCOM:** Apr-2008

**13. 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.

Completion of this document contingent upon another document? No

**14. PURPOSE:** The purpose of the proposed project is to include higher power applications while providing enhanced power management information to reduce total system cost.

**15. REASON:** 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.

**16. INTELLECTUAL PROPERTY:**

IEEE-SA Policy on Intellectual Property Presented: Yes 15-Mar-2005

Copyrights: No

Trademarks: No

Registration of Object: No

**17. SIMILAR SCOPE:** No**18. FUTURE ADOPTION:** Yes

Int'l Organization: ISO/IEC JTC1 6 1

Int'l Contact Person: Robin Tasker

Telephone:

FAX:

E-mail:

**19. Health, Safety or Environmental Issues:** No

Explanation:

**20. SPONSOR INFORMATION:**

a. Is the scope of this project within the approved scope/definition of the Sponsor's Charter?

Yes

Explanation:

b. Sponsor's procedures accepted by AudCom: Yes

**21. ADDITIONAL NOTES:** 20b The status of AudCom approval of LMSC P&P was an item of discussion in June 2005. The status should be clarified by the September NesCom meeting.

**I acknowledge having read and understood the IEEE Code of Ethics I agree to conduct myself in a manner which adheres to the IEEE Code of Ethics when engaged in official IEEE business.**

REVIEWED & SUBMIT

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