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1. ASSIGNED PROJECT NUMBER: 802.3ap

2. SPONSOR DATE OF REQUEST: 2004-03-25

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: Ethernet Operation Over Electrical Backplanes

5. LIFE CYCLE: Full-Use

6. TYPE OF PROJECT: Amendment 802.3-2002

Modified PAR?

In Ballot? No

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: 781-334-2255

E-mail: p.nikolich@ieee.org

Standards Coordinator (Power Engineering Society Only):

This is the information you entered:

Name:
Telephone: Fax:
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CO-SPONSOR INFORMATION (THIS IS BEING SPONSORED BY TWO SPONSORS):

Cosponsor:
Name of Cosponsor Chair:
Telephone:
FAX:
E-mail:

Standards Coordinator for Cosponsor (Power Engineering Society Only):

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Name:
Telephone: Fax:
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11. TYPE OF SPONSOR BALLOT: Individual

Expected Date of Submission for Initial Sponsor Ballot: 2006-01-20

12. PROJECTED COMPLETION DATE FOR SUBMITTAL TO REVCOM: 2006-05-01

13. SCOPE: The scope of this project is to specify additions to and appropriate modifications of IEEE Std 802.3 to specify operation at 1000 Mb/s and 10 Gb/s across an electrical backplane leveraging the existing MAC.

Completion of this document contingent? No

14. PURPOSE:

14a. Reason: The purpose of this project is to provide standards based Ethernet interconnection of server and telecommunication blades over a modular platform backplane. Industry trends for LAN, SAN and other applications are migrating to backplane interconnects, and this project will optimize Ethernet operation for backplanes.

15. INTELLECTUAL PROPERTY:

Patent Policy: Yes

Copyrights: No

Trademarks: No

Registration of Object: Yes Management arcs will be allocated under the existing 802.3 hierarchy of arcs.

16. SIMILAR SCOPE: No

17. FUTURE ADOPTION - INTERNATIONAL SPONSOR:

Int'l Organization: IEC JTC1 6 3

Int'l Contact Person: Robin Tasker

Telephone: +44-1925-603758

FAX:

E-mail: R.Tasker@dl.ac.uk

18. FOCUS ON HEALTH, SAFETY OR ENVIRONMENTAL ISSUES:

Explanation:

19. ADDITIONAL NOTES: 6. This amendment at time of sponsor ballot will be to the then current revision of IEEE 802.3 as amended (P802.3REVam revision publication expected late 2004 or early 2005). 7. IEEE 802.3 voting membership at PAR submission is 200+ individuals from 120+ entities.

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

The PAR Copyright Release and Signature Page must be submitted either by FAX to 208-460-5300 or as e-mail attachment in .pdf format to the [NesCom Administrator](#) before this PAR will be sent on for NesCom and Standards Board approval.