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1. ASSIGNED PROJECT NUMBER: P802.3ar

2. SPONSOR DATE OF REQUEST: 2004-12-19

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: Enhancements for Congestion Management

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: 781-334-2255
E-mail: p.nikolich@ieee.org

Standards Coordinator (Power Engineering Society Only):

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Name of Cosponsor Chair:
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11. TYPE OF SPONSOR BALLOT: Individual

Expected Date of Submission for Initial Sponsor Ballot: 2006-01-02

12. PROJECTED COMPLETION DATE FOR SUBMITTAL TO REVCOM: 2006-06-01

13. SCOPE: To specify IEEE 802.3 MAC parameters and minimal augmentation of MAC operation and management parameters of IEEE Std 802.3 to provide rate control and support of IEEE 802 congestion management.

Completion of this document contingent? No

14. PURPOSE: This project will enable accelerated deployment of Ethernet into emerging limited-topology applications that require improved delay, delay variation and frame loss characteristics.

14a. Reason: Ethernet networks are being used in an increasing number of application spaces (clustering, backplanes, storage, data centers, etc.) that are sensitive to frame delay, delay variation and loss. Study Group presentations have shown that Ethernet networks can experience higher throughput, lower delay, and lower frame loss by performing congestion management. This will improve Ethernet in its growing number of applications.

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: ISO JTC1 SC6

Int'l Contact Person: Robin Tasker

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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 Std 802.3 as amended (P802.3REVam revision of IEEE Std 802.3-2002 is expected to publish in 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.

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