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10 December 2004

Paul Nikolich
18 Bishops Lane
Lynnfield, MA 01940
paul.nikolich@att.net

Re: P802.3ar - 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

Dear Paul:

I am pleased to inform you that on 08 December 2004 the IEEE-SA Standards Board approved the above
referenced project until 31 December 2008. A copy of the file can be found on our website at
<http://standards.ieee.org/board/nes/projects/802-3ar.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of
this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of
the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards
projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at
<http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at j.haasz@ieee.org no
later than 8 March 2005.

Please visit our website, IEEE Standards Development Online
(<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the
standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for
review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor
balloting begins.

If you should have any further questions, please contact me at 732-562-6367 or by email at j.haasz@ieee.org.

Sincerely,

Jodi Haasz
Program Manager
International Stds Programs and Governance
Standards Activities
Phone +1 732 562 6367
FAX +1 732 875 0695
Email: j.haasz@ieee.org

cc: bob.grow@ieee.org

PAR FORM

PAR Status: Amendment of Standard

PAR Approval Date: 2004-12-08

PAR Signature Page on File: Yes

1. Assigned Project Number: 802.3ar

2. Sponsor Date of Request: 2004-10-15

3. Type of Document: Standard for

4. Title of Document:

Draft: 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:

6a. Is this an update to an existing PAR? No

6b. The Project is a: Amendment to Std 802.3

7. Working Group Information:

Name of Working Group: IEEE 802.3 CSMA/CD (Ethernet)

Approximate Number of Expected Working Group Members:200

8. Contact information for Working Group Chair:

Name of Working Group Chair: Robert M Grow

Telephone: 858-391-4622 **FAX:** 858-391-4657

Email: bob.grow@ieee.org

9. Contact information for Co-Chair/Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair:

Name of Co-Chair/Official Reporter, Project Editor or Document Custodian:

Telephone: FAX:

Email:

10. Contact information for Sponsoring Society or Standards Coordinating Committee:

Name of Sponsoring Society and Committee: Computer Society Local and Metropolitan Area Networks

Name of Sponsoring Committee Chair: Paul Nikolich

Telephone: 857-205-0050 **FAX:** 781-334-2255

Email: paul.nikolich@att.net

Name of Liaison Rep. (if different from the Sponsor Chair):

Telephone: FAX:

Email:

Name of Co-Sponsoring Society and Committee:

Name of Co-Sponsoring Committee Chair:

Telephone: FAX:

Email:

Name of Liaison Rep. (if different from the Sponsor Chair):

Telephone: FAX:

Email:

11. The Type of ballot is: Individual Sponsor Ballot

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

12. Fill in Projected Completion Date for Submittal to RevCom: 2006-06-01

Explanation for Modified PAR that completion date is being extended past the original four-year life of the PAR:

13. Scope of Proposed Project:

The scope of this project is to specify IEEE 802.3 Media Access Control (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.

Is the completion of this document contingent upon the completion of another document? Yes

This PAR includes work on independent capabilities, and some of the work is not contingent on another project. This PAR is being launched to match the anticipated completion of work to be done within 802.1. The complete capabilities and benefits envisioned in Ethernet networks through Congestion Management capabilities will include both 802.3 and 802.1 work. Serialization of the projects would unnecessarily delay market introduction of the capabilities. If 802.1 work is not completed for the cooperative efforts or the progress would unnecessarily delay either the non-dependent or dependent capabilities also included in this PAR, the work will be split into two PARs.

14. Purpose of Proposed Project:

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 for the standardization project:

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:

Has the sponsor reviewed the IEEE patent policy with the working group? Yes

Is the sponsor aware of copyrights relevant to this project? No

Is the sponsor aware of trademarks relevant to this project? No

Is the sponsor aware of possible registration of objects or numbers due to this project? Yes

Management arcs will be allocated under the existing 802.3 hierarchy of arcs.

16. Are there other documents or projects with a similar scope? No

Similar Scope Project Information:

17. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization? Yes

If yes, please answer the following questions:

Which International Organization/Committee? ISO TCJTC1 SCSC6

International Contact Robin Tasker

Information? CLRC

+44-1925-603758

R.Tasker@dl.ac.uk

18. If the project will result in any health, safety, or environmental guidance that affects or applies to human health or safety, please explain in five sentences or less.

19. Additional Explanatory Notes: (Item Number and Explanation)

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.