

Once you approve and submit the following information, changes may only be made through the NesCom Administrator.

Draft PAR Confirmation Number: 172280216.18787	
Submittal Email: bob.grow@intel.com	
Type of Project: Modification to a Previously Approved PAR P802.3ar on 08 Dec 2004	
1.1 Project Number: P802.3ar	
1.2 Type of Document: Standard for	
1.3 Life Cycle: Full	
1.4 Is this project in ballot now? No	
2.1 Title of Standard: 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 Rate Limiting	Old Title: 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
3.1 Name of Working Group: Ethernet Working Group	
Contact information for Working Group Chair Robert M Grow Email: bob.grow@ieee.org Phone: 858-391-4622	
Contact Information for Working Group Vice Chair David J Law Email: david_law@ieee.org Phone: +44-131-665-7264	
3.2 Sponsoring Society and Committee: IEEE Computer Society/Local and Metropolitan Area Networks (C/LM) Contact information for Sponsor Chair: Paul Nikolich Email: p.nikolich@ieee.org Phone: 857-205-0050 Contact information for Standards Representative: Email: Phone:	
3.3 Joint Sponsor: / () Contact information for Sponsor Chair: Email: Phone: Contact information for Standards Representative: Email:	

Phone:	
4.1 Type of Ballot: Individual	
4.2 Expected Date of Submission for Initial Sponsor Ballot: 2006-11	
4.3 Projected Completion Date for Submittal to RevCom: 2007-03	
5.1 Approximate number of people expected to work on this project: 30	
5.2 Scope of Proposed Standard: To specify IEEE 802.3 MAC parameters and minimal augmentation of MAC operation and management parameters of IEEE Std 802.3 to provide rate limiting.	Old Scope: 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.)
5.3 Is the completion of this standard is dependent upon the completion of another standard: No If yes, please explain: The modified PAR eliminates the previous contingency.	
5.4 Purpose of Proposed Standard: This project will enable accelerated deployment of Ethernet into emerging applications that require improved delay, delay variation and frame loss characteristics in the presence of known bottlenecks.	Old Purpose: This project will enable accelerated deployment of Ethernet into emerging limited-topology applications that require improved delay, delay variation and frame loss characteristics.
5.5 Need for the Project: Ethernet networks are being used in an increasing number of application spaces 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 rate limiting. Rate limiting is an effective technique to reduce buffer requirements when there are known/fixed bottlenecks in the networks. This will improve Ethernet in its growing number of applications.	
5.6 Stakeholders for the Standard: Network equipment, network silicon, media converter, and NIC manufacturers and users.	
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: 2006-05-15 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 If yes, please explain: and answer the following: Sponsor Organization: Project/Standard Number: Project/Standard Date: 0000-00-00	

Project/Standard Title:

7.2 Future Adoptions

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

If Yes, the following questions must be answered:

Technical Committee Name and Number: ISO

Other Organization Contact Information:

Contact person: Robin Tasker

Contact Email address: r.tasker@dl.ac.uk

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No

If yes, please explain:

7.4 Additional Explanatory Notes: (Item Number and Explanation)

All item changes are effectively to split the previous PAR. This project being rate limiting, leaving all other items to a future PAR if required and approved by 802.3.

8.1 Sponsor Information:

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

If no, please explain:

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