

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

<b>Draft PAR Confirmation Number:</b>
<b>Submittal Email:</b> glen.kramer@ieee.org
<b>Type of Project:</b> Amendment to an Existing Standard 802.3-2005
<b>1.1 Project Number:</b> P802.3av
<b>1.2 Type of Document:</b> Standard for
<b>1.3 Life Cycle:</b> Full
<b>1.4 Is this project in ballot now?</b> No
<b>2.1 Title of Standard:</b> IEEE Standard for 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: Physical Layer Specifications and Management Parameters for 10Gb/s Passive Optical Networks
<b>3.1 Name of Working Group:</b> Ethernet Working Group
<b>Contact information for Working Group Chair</b> Robert M Grow Email: bob.grow@ieee.org Phone: 858-391-4622
<b>Contact Information for Working Group Vice Chair</b> David J Law Email: david_law@ieee.org Phone: +44-131-665-7264
<b>3.2 Sponsoring Society and Committee:</b> IEEE Computer Society/Local and Metropolitan Area Networks (C/LM) <b>Contact information for Sponsor Chair:</b> Paul Nikolich Email: p.nikolich@ieee.org Phone: 857-205-0050 <b>Contact information for Standards Representative:</b>  Email: Phone:
<b>3.3 Joint Sponsor:</b> / () <b>Contact information for Sponsor Chair:</b>  Email: Phone: <b>Contact information for Standards Representative:</b>  Email: Phone:

<b>4.1 Type of Ballot:</b> Individual
<b>4.2 Expected Date of Submission for Initial Sponsor Ballot:</b> 2008-07
<b>4.3 Projected Completion Date for Submittal to RevCom:</b> 2009-03
<b>5.1 Approximate number of people expected to work on this project:</b> 50
<b>5.2 Scope of Proposed Standard:</b> The scope of this project is to amend IEEE Std 802.3-2005 to add Physical Layer specifications and management parameters for operation at 10 Gb/s on point-to-multipoint passive optical networks.
<b>5.3 Is the completion of this standard is dependent upon the completion of another standard:</b> No <b>If yes, please explain:</b>
<b>5.4 Purpose of Proposed Standard:</b> To significantly increase performance of point-to-multipoint architecture (Ethernet Passive Optical Network) to support emerging bandwidth-intensive services while minimizing equipment, operation, and maintenance costs.
<b>5.5 Need for the Project:</b> The project is applicable to residential subscriber access, wireless back-haul, and multi-dwelling unit environments. It will enable telecommunications operators and multiple system operators to provide advanced, bandwidth-intensive services, such as high-definition television, while reducing footprint and power consumption of central office equipment and minimizing fiber deployment and repair cost.
<b>5.6 Stakeholders for the Standard:</b> Telecom system and component vendors, telecommunications carriers, and multiple system operators (MSOs)
<b>Intellectual Property</b>
<b>6.1.a.</b> 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: 2006-07-17 If no, please explain:
<b>6.1.b.</b> Is the Sponsor aware of any copyright permissions needed for this project? No If yes, please explain:
<b>6.1.c.</b> Is the Sponsor aware of possible registration activity related to this project? No If yes, please explain:
<b>7.1 Are there other standards or projects with a similar scope?</b> No If yes, please explain: <b>and answer the following:</b> Sponsor Organization: Project/Standard Number: Project/Standard Date: 0000-00-00 Project/Standard Title:
<b>7.2 Future Adoptions</b> <b>Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization?</b> Yes  If Yes, the following questions must be answered: Technical Committee Name and Number: ISO SC6 WG3 <b>Other Organization Contact Information:</b>

**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)**

**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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