PAR Request Date: 28 March 2007

PAR Approval Date:

PAR Signature Page on File: Yes

Type of PAR: Amendment to IEEE Standard

Status: Unapproved PAR, Amendment to an Existing IEEE Std 802.17-2004

Root Project:

1.1 Project No.: **802.17c**

1.2 Type of Document: Standard

1.3 Life Cycle: Full-Use

1.4 Is this document in ballot now? No

2.1 Title
IEEE Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 17: Resilient Packet Ring (RPR) Access Method and Physical Layer Specifications - Amendment: 2 – Protected Inter-Ring Connection

3.1 Working Group Name	Resilient Packet Ring Working Group
Working Group Chair	Lemon, John Phone: 650-429-2260 Email: jlemon@ieee.org
Working Group Vice Chair	
3.2 Sponsor	IEEE Computer Society Local and Metropolitan Area Networks (C/LM)
Sponsor Chair	Nikolich, Paul Phone: 857-205-0050 Email: p.nikolich@ieee.org
Name of Standards Liaison Representative (if applicable)	
3.3 Joint Sponsor	

4.1 Type of Ballot: Individual

4.2 Expected Date of Submission for Initial Sponsor Ballot: November 2008

4.3 Projected Completion Date for Submittal to RevCom: July 2009

5.1 Approximate number of people expected to work on this project: 12

5.2 Scope: The proposed changes add new capabilities to the MAC layer to enable operation of dual-redundant RPR stations that interconnect 2 RPR rings.

5.3 Is the completion of this document contingent upon the completion of another document? No

5.4 Purpose: The amendment extends the property of fast (50 ms) restoration time, associated with an individual RPR ring to dual-interconnected rings. Further, the standard specifies methods for controlling which traffic is sent across each of the two interconnections.

5.5 Need for the Project: It is common for carriers and enterprises to deploy transport equipment in dual interconnected rings topologies for protection across the span of interconnected rings. RPR targets both of these markets and requires equivalent function. Carriers have expressed a requirement for dual interconnected rings to replace legacy carrier class solutions (SONET/SDH) and some are beginning to deploy proprietary solutions.

5.6 Stakeholders for the Standard: The stakeholders for the project are telecom service providers, equipment manufacturers and ASIC vendors implementing RPR.

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 **Presented Date:** 2007-01-15
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:

Sponsor Organization:
Project/Standard Number:
Project/Standard Date: 0000-00-00
Project/Standard Title:

7.2 Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? ? Do not know at this time
Technical Committee Name and Number:
Contact person:
Contact person Phone Number:
Contact person Email Address:

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

7.4 Additional Explanatory Notes:

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: