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02 November 2006

Paul Nikolich
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Re: P802.17b - Information Technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements Part 17: Resilient packet ring (RPR) access method & physical layer specifications - Amendment 1 - Spatially aware sublayer

Dear Paul:

I am pleased to inform you that on 02 November 2006 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/802-17b.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 s.hampton@ieee.org no later than 31 January 2007.

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 +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

Sherry Hampton
Administrator, Governance
Standards Activities
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CC: tak@cisco.com

PAR Request Date: 25 September 2006	
PAR Approval Date: 02 November 2006	
PAR Signature Page on File: Yes	
Type of PAR: Modification to Approved PAR	
Status: Modification to a Previously Approved PAR for an Amendment - P802.17b, 08 December 2004	
Root Project: IEEE Std 802.17-2004	
1.1 Project No.: P802.17b	
1.2 Type of Document: Standard	
1.3 Life Cycle: Full-Use	
1.4 Is this document in ballot now? Yes	
2.1 Title Information Technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements Part 17: Resilient packet ring (RPR) access method & physical layer specifications - Amendment 1 - Spatially aware sublayer	Old Title Information Technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Resilient Packet Ring Access Method & Physical Layer Specifications – Amendment 1 - Spatially Aware Sublayer
2.1 Amendment/Corrigenda Title	
3.1 Working Group Name	Resilient Packet Ring Working Group
Working Group Chair	Takefman, Michael Phone: 613-254-3399 Email: tak@cisco.com
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: July 2006	
4.3 Projected Completion Date for Submittal to RevCom: December 2006	
5.1 Approximate number of people expected to work on this project: 12	
5.2 Scope: This standard defines a resilient packet ring access protocol for use in local, metropolitan, and wide area networks, along with appropriate physical layer specifications for transfer of data packets at rates scalable to multiple gigabits per second.	Old Scope: This project amends 802.17-2004 adding one or more new clauses defining optional extensions to support increased spatial reuse on the media. 802.17-2004 allows spatial reuse for ring local unicast transmissions, this amendment adds support for spatial reuse of other frame transmissions (e.g. remote bridging as seen in 802.1 D/Q). Changes to existing clauses of 802.17-2004 are permitted if required to support the new clauses.
5.3 Is the completion of this document contingent upon the completion of another document? No	

5.4 Purpose: 802.17-2004 provides spatial reuse for ring-local unicast transmissions. This limits spatial reuse to host stations (e.g. routers) attached to the ring and precludes other devices that(eg. bridges). The amendment will extend the class of frame types and device types that can achieve spatial reuse to significantly improve bandwidth efficiency on Resilient Packet Rings.

Old Purpose: 802.17-2004 provides spatial reuse for ring-local unicast transmissions. This limits spatial reuse to host stations (e.g. routers) attached to the ring and precludes other devices that(eg. bridges). The amendment will extend the class of frame types and device types that can achieve spatial reuse to significantly improve bandwidth efficiency on Resilient Packet Rings.

5.5 Need for the Project: Spatial Reuse is achieved by stations stripping a frame from the media once it has reached its destination. This differs from previous 802 ring technologies where the frame was required to circulate around the entire ring. Destination stripping increases overall ring efficiency as bandwidth is not wasted with continued circulation of the frame. 802.17 is being used on a variety of networking equipment including, ethernet switches, IP routers, MPLS switches and Add-Drop-Multiplexors. Internet Service providers, Network Service providers, Cable MSOs, PTTs, ITTs and large enterprises are deploying RPR technology and require the benefits of spatial reuse to be extended to the other frame transmission types being used in their networks.

5.6 Stakeholders for the Standard: The stakeholders for the project are service providers, equipment vendors 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:** 2006-07-15

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? Yes

If yes, please explain: A 48-bit multicast address to be used for control may be required from the IEEE 802.1 WG.

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:

During sponsor ballot a comment was received that the title of the draft did not match the title of the PAR. In reviewing the title of the base standard and the original PAR form we discovered an error in the title. The purpose of this modification to the PAR to to align the title of the PAR, draft and base standard.

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: