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07 June 2007

Bob Davis
Summit Computer System, Inc.
22685 Summit Road
Los Gatos, CA 95033-9310
bob@scsi.com

Re: P1394 - Standard for a High Performance Serial Bus

Dear Bob:

I am pleased to inform you that on 07 June 2007 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/1394.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 05 September 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
Phone +1 732 562 6003
FAX +1 732 875 0695
Email: s.hampton@ieee.org

CC: les@baxter-enterprises.com BCC: s.hampton@ieee.org, t.t.lee@ieee.org

PAR Request Date: 26 April 2007**PAR Approval Date:** 07 June 2007**PAR Signature Page on File:** Yes**Type of PAR:** Modification to Approved PAR**Status:** Modification to a Previously Approved PAR for the Revision of a Standard - P1394, 11 December 2002**Root Project:** IEEE Std 1394-1995**1.1 Project No.:** **1394****1.2 Type of Document:** Standard**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Standard for a High Performance Serial Bus

3.1 Working Group Name[P1394r Working Group](#)**Working Group Chair**[Baxter, Les A](#)

Phone: 732-212-1400

Email: les@baxter-enterprises.com

Working Group Vice Chair**3.2 Sponsor**[IEEE Computer Society Microprocessors and Microcomputers \(C/MS\)](#)**Sponsor Chair**[Davis, Bob](#)

Phone: 408-857-1273

Email: bob@scsi.com

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 2007**4.3 Projected Completion Date for Submittal to RevCom:** October 2007**5.1 Approximate number of people expected to work on this project:** 20

5.2 Scope: This standard describes a high-speed, low-cost Serial Bus suitable for use as a peripheral bus, a backup to parallel backplane buses, or a local area network. Highlights of the Serial Bus include: a) Bus transactions that include both block and single quadlet reads and writes, as well as an “isochronous” mode that provides a low-overhead guaranteed bandwidth service. b) A fair bus access mechanism that guarantees all nodes equal access. The backplane environment adds a priority mechanism, but one that ensures that nodes using the fair protocol are still guaranteed at least partial access. c) Automatic assignment of node addresses—no need for address switches. d) A physical layer supporting both long-haul and short-haul cable media and backplane buses. e) Variable speed data transmission based on ISDN-compatible bit rates from 24.576 Mbit/s for TTL backplanes to 49.152 Mbit/s for BTL backplanes. For the cable medium, data transmission rates of 98.304 Mbit/s (known as S100), S200, S400, S800, S1600, and S3200 are supported. f) The short-haul cable medium allows up to sixteen physical connections (cable hops), each up to 4.5 m, giving a total cable distance of 72 m between any two devices. Bus management recognizes smaller configurations to optimize performance. g) The long-haul cable medium permits connections up to 100m in length over unshielded twisted pair cable and glass optical fiber and up to 50m over plastic optical fiber. h) Consistent with ISO/IEC 13213 :1994 (IEEE Std 1212-1991).

Old Scope: This Revision will Incorporate 1394a-2000 and 1394b-2000 into base standard. The 1394 High Speed Serial bus will be revised to keep with current technology and developments in the High Speed Serial Bus marketplace.

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

5.4 Purpose: This standard incorporates the contents of IEEE 1394-1995 as revised by IEEE 1394a-2000, IEEE 1394b-2002, and IEEE 1394c-2006. In addition, over 100 errata have been corrected and several new features have been added as per Clause 3.12.

Old Purpose: The purpose is to merge the existing extensions to create one comprehensive document including potential developments from the large 1394 user community.

5.5 Need for the Project: To incorporate all the outstanding amendments, enhancements, and errata and bring the base standard up to date.

5.6 Stakeholders for the Standard: All companies that produce or use IEEE 1394 products or systems. There are currently more than 130 companies that are members of the 1394 Trade Association and more than 500M IEEE 1394 ports have been produced.

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:** 2006-06-30

If no, please explain:

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? Yes

If yes, please explain: The document incorporates some material originally developed by the 1394 Trade Association. The Executive Director of the 1394 TA has stated that this will not be a problem.

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:

The original scope and purpose were written in 2002. Since then, several other documents have been issued (for example, IEEE 1394c) and numerous errata have been discovered. The scope and purpose were updated to reflect all the changes which are being made during the revision.

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: