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31 July 2006

Victor Berman
Cadence Design Systems, Inc.
270 Billerica Road
Chelmsford, MA 01824
vberman@cadence.com

Re: P1647 - Standard for the Functional Verification Language 'e'

Dear Victor:

I am pleased to inform you that on 28 July 2006 the IEEE-SA Standards Board approved the above referenced project until 31 December 2010. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1647.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 26 October 2006.

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: kashai@ieee.org

PAR Request Date: 06 June 2006	
PAR Approval Date: 28 July 2006	
PAR Signature Page on File: Yes	
Type of Project: Revision to IEEE Standard	
Status: Revision to an Existing IEEE Std 1647-2006	
Root Project:	
1.1 Project No.: P1647	
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 the Functional Verification Language 'e'	Old Title Standard for the Functional Verification Language 'e'
2.1 Amendment/Corrigenda Title	
3.1 Working Group Name	Functional Verification Language e Working Group
Working Group Chair	Kashai, Yaron Phone: +1 408 914 6335 Email: kashai@ieee.org
Working Group Vice Chair	
3.2 Sponsor	IEEE Computer Society Design Automation (C/DA)
Sponsor Chair	Berman, Victor Phone: 978-262-6560 Email: vberman@cadence.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: August 2007	
4.3 Projected Completion Date for Submittal to RevCom: August 2008	
5.1 Approximate number of people expected to work on this project: 15	
5.2 Scope: The scope of this standard is the definition of the e functional verification language. This standard aims to serve as an authoritative source for the definition of (a) syntax and semantics of e language constructs (b) the e language interaction with standard simulation languages (c) e language libraries This revision extends the standard to cover novel verification-related features	Old Scope: This project will develop a standard verification language based on the "e" language, by clearly specifying (a.) the e-language constructs, (b.) the e-language interaction with standard simulation languages of interest, (c.) the libraries used currently in conjunction with the e-language, and (d.) additional new features of interest.
5.3 Is the completion of this document contingent upon the completion of another document? No	

5.4 Purpose: This standard serves the community involved with functional verification of electronic designs using the e language. It provides an implementation independent definition of the e language and facilitates the development of e language based design automation tools. The revision project extends the standard to include novel verification related features.

Old Purpose: This standard will serve the community involved with functional verification of electronic designs using the e language. It will provide an implementation independent definition of the e language and facilitate the development of e based design automation tools.

5.5 Need for the Project: Due to the rapid evolution of verification technology, several new features have been introduced since the beginning of the standardization process for the 'e' language. The revision project will bring the standard up to date with respect to these features.

5.6 Stakeholders for the Standard: The stakeholders for the 'e' language are verification engineers for hardware, software and system projects and the tool developers for this community.

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: 2006-04-24

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 Working Group will solicit donation of manuals and possibly other copyrighted materials and will pursue appropriate copyright releases.

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? Yes

If yes, please explain:

Verification is addressed to some extent by the following projects: Verilog / SystemVerilog (1364, 1800), VHDL (1076), System-C (1666), PSL (1850). SystemVerilog is listed below as the most relevant.

Sponsor Organization: DASC/CAG

Project/Standard Number: 1800

Project/Standard Date: 2005-11-09

Project/Standard Title: Standard for System Verilog: Unified Hardware Design, Specification and Verification Language

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

Technical Committee Name and Number: IEC TC093

Contact person: [Alex N Zamfirescu](#)

Contact person Phone Number: 650-323-4643

Contact person Email Address: a.zamfirescu@ieee.org

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:

(section 2.1) When mentioning the e language in print, the 'e' character should be formatted in Times-Roman Bold Italics, to distinguish and disambiguate.

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: