

IEEE SystemC Study Group
UNAPPROVED MINUTES
10 August 2004
9:00 a.m. – 2:00 p.m. PDT

MEMBERS PRESENT	MEMBERS ABSENT	GUEST	STAFF
Dennis Brophy		Guido Arnout	
Lori Kate Smith		Mashmichi Kawababayashi	
Victor Berman		Sarah Lynne Cooper	
Grant Martin		Cesar Quiroz	
Oz Levia		Rob Slater	
Alec Stanculescu		Vincent Viteau	
Michael McNamara		Rob Slater	
Zain Nevabi			
Michael Meredith			
Stuart Swan			

1 CALL TO ORDER - INTRODUCTIONS

Chair Berman called the meeting to order at 9:15 a.m. PDT and welcomed all present. A round of introductions was done with associated affiliations recorded.

Member Name and Affiliation

Dennis Brophy – DASC & Mentor Graphics DR
Lori Kate Smith – DASC & Verisity DR/DRA
Victor Berman – DASC & Cadence DR
Grant Martin – DASC
Oz Levia – DASC & Synopsys DR
Alec Stanculescu – DASC
Michael McNamara – DASC & Verisity DR/DRA
Zain Nevabi – DASC
Michael Meredith – DASC
Stuart Swan - DASC

2 APPROVE AGENDA

A motion (Lori Kate Smith, Alec Stanculescu) was made to accept the agenda. The motion was unanimously approved.

3 BACKGROUD INFORMATION FROM SYSTEMC PROMOTER

Guido Arnout, President of Open SystemC Initiative (OSCI) gave an oral presentation and some historical background on SystemC. He explained OSCI's selection of joint sponsorship by the IEEE CS DASC and IEEE-SA CAG.

4 INSTALLATION OF AND TEMPORARY APPOINTMENT TO THE OFFICE OF SECRETARY

Chair Berman appoints Dennis Brophy as secretary for the meeting.

5 CALL FOR PATENTS

IEEE Patent slides were read and presented to the Study Group. (See <http://standards.ieee.org/board/pat/pat-slideset.ppt>)

6 DASC STUDY GROUP GUIDELINES

Chair Berman reviewed the DASC Study Group guidelines. This project is a dual CAG & DASC sponsored activity. Approval for the PAR will be by a CAG and DASC team composed of the Chair and Vice-Chair of the DASC and CAG. The DASC-SC will be informed as to results of team's decisions.

Action Request: [Victor Berman] Victor will write a report, submit it to the Study Group, CAG Chair and Vice-Chair and DASC Chair and Vice-Chair and the DASC SC

A motion (Grant Martin, Michael Meredith) was made to draft a PAR. The motion was unanimously approved.

7 REVIEW DRAFT PAR

Chair Berman reviewed the proposed SystemC PAR. During the review, the following changes were proposed and accepted.

In Clause 7, change "System C" to "SystemC"

Action Request: [Victor Berman] Victor will talk with Paul Tauber, OSCI counsel, to ensure that copyright and trademarks are taken care of to the satisfaction to OSCI and the IEEE.

In Clause 10, move Peter's contact information up.

In Clause 13 change:

"This standard covers the definition of SystemC; a language built by adding a system-design, verification and hardware-design oriented class library to ANSI Standard C++."

To:

"This standard defines SystemC as a system and hardware design ANSI Standard C++ class library, leveraged from the OSCI SystemC 2.0.1 LRM."

A motion (Grant Martin, Oz Levia) was made to adopt change to scope in clause 10. The motion was unanimously approved.

In Clause 14 change:

"The purpose is to provide a standard language for system designers whose requirements span design and verification from concept to implementation in hardware and software. SystemC provides an interoperable modeling platform which enables the development and exchange of very fast system-level C++ models. It also provides a stable platform for development of

system-level tools. The target users for this standard are designers and architects who need to address complex systems that are hybrid between hardware and software.”

To:

“The purpose of this project is to provide a C++-based standard for designers and architects who need to address complex systems that are a hybrid between hardware and software.”

A motion (Zain Nevabi, Lori Kate Smith) was made to adopt the change to the purpose. The motion was unanimously approved.

In clause 14 change:

“software there” to “software, there”

A motion (Grant Martin, Lori Kate Smith) was made to adopt the change to the purpose. The motion was unanimously approved.

In clause 16 add:

“There are a number of other system level design projects (Ptolemy, UML, SDL, SpecC, Matlab, etc.) but none of these provide a C++ class library for system design. In addition, many these have C++ code generation capabilities, which permit interoperability with SystemC.”

And change:

Change “VHDL (P1076) and Verilog (P1364)” to “VHDL (P1076), Verilog (P1364), SystemVerilog (P1800) and ‘e’ (P1647)

A motion (Lori Kate Smith, Grant Martin) was made to adopt the addition and change to clause 16. The motion was unanimously approved.

In clause 17 change:

Alex email’s address is alex.zamfierescu@gmail.com

A motion (Grant Martin, Lori Kate Smith) was made to accept the PAR with all the approved additions and changes. The motion was unanimously approved.

8 REVIEW THE WG POLICIES & PROCEDURES

Chair Berman reviewed the template IEEE SystemC Standardization Working Group P&Ps.

There were discussions on some of the content of the proposed P&Ps but since ratification was going to be delayed until after PAR approval, actions on those discussions were delayed until the meeting at which approval is on the agenda.

9 APPROVE POLICIES & PROCEDURES AND REQUEST RATIFICATION BY DASC AND CAG

The Study Group will wait for the approval of PAR before moving forward.

10 NEW BUSINESS

A question of an email reflector was raised to promote discussion with the group. Chair Berman indicated a reflector had been established on eda.org and he would send information to the Study Group meeting participants on how to subscribe.

Action Request: [Victor Berman] Victor will send information on how to subscribe to the reflector.

11 NEXT MEETING

Wednesday, 13 October 2004, Munich, Germany, 9:00a.m. – 5:00p.m.

12 ADJOURNMENT

A motion (Oz Levia, Dennis Brophy) was made to adjourn. Meeting adjourned at 1:45p.m.