

IEEE P1800 SystemVerilog Working Group
UNAPPROVED MINUTES
19 April 2005
9:00 a.m. – 5:00 p.m. CDT
IBM, Austin, TX USA

1 CALL TO ORDER

Chair Srouji called the resumption of the meeting to order 9:18 am. Attendance is shown below.

Key: DR= Designated Representative
DRA= Designated Representative
Alternate
O=Observer
S=Staff

Present	Entity Name	Representative Name	Representative Designation	IEEE-SA Member	Voting Member
X	Intel	Yossi Levy	DR	Yes	Yes
X	Accellera	Vassilios Gerousis	DR	Yes	Yes
X		Karen Pieper	DRA		
X	Bluespec	Rishiyur Nikhil	DR	Yes	Yes
X	Cadence Design Systems	Victor Berman	DR	Yes	Yes
X		Charles Dawson	DRA		
X	IBM	Johnny Srouji	DR	Yes	Yes
X	Mentor Graphics	Dennis Brophy	DR	Yes	Yes
X		Dave Rich	DRA		
X		Tom Fitzpatrick	DRA		
X	Sun Microsystems	Shrenik Mehta	DR	Yes	Yes
X	Sunburst Design	Cliff Cummings	DR	Yes	Yes
X	Sutherland HDL	Stu Sutherland	DR	Yes	Yes
X	Synopsys	Oz Levia	DR	Yes	Yes
X	Fintronics	Alec Stanculescu	DR	Yes	Yes
Observers					
Staff					
X	IEEE-SA	Noelle Humenick			

[Download Roster](#)

2 APPROVE AGENDA

A motion (Victor Berman, Stu Sutherland) was made to approve the agenda. The motion was approved unanimously.

3 CALL FOR PATENTS

Chair Brophy read the patent slides.

[Download Patent Slide set \(PowerPoint\)](#)

Oz recalled that in a prior meeting, we took action for our group to have all members submit a patent letter to the IEEE. At this time, only two letters of assurance have been tendered to PatCom. (See <http://standards.ieee.org/db/patents/pat1390.html>) Oz states that the letter gives the community peace of mind and assurance.

Victor examined the Synopsys LOA letter on file and it was the first Synopsys letter, not the second one that was referenced by Oz.

A motion (Oz Levia, Shrenik Mehta) was made to have all members fill in the IEEE LOA and send it to Johny Srouji and Dave Ringle with a copy to Noelle. Abstention: Cadence (Victor Berman). The motion was approved with one abstention.

Action Request: [Noelle Humenick] Send the form out to the group to complete it if they need to do this.

The issue of essential patents is the domain of the chair. Chair Srouji will handle this issue further in consultation with the IEEE.

4 APPROVAL 17 FEBRUARY 2005 MEETING MINUTES

A motion (Victor Berman, Karen Pieper) was made to approve the minutes. Abstention: Sun (Shrenik Mehta). The motion passed with one abstention.

5 ACTION ITEM REVIEW AND FOLLOW-UP

Johny Srouji sent out an action item list prior to the start of the meeting. The action item list was reviewed and updated.

[Download update action item list.](#) (This version is not yet updated.)

A motion (Tom Fitzpatrick, Stu Sutherland) was made to make Shalom and Stu the editor of 1364 listing their editorship by dates. The motion was approved unanimously.

Action Request: [Stu Sutherland] Get the month in 2005 that Shalom's editorship will be listed.

6 STATUS UPDATE ON MEMBERS FEES COLLECTION

Lynn Horobin from Accellera reported \$7K was sent to IEEE on 18 March 2005 and another \$7K is about to be received and paid.

7 P1800 FINANCIAL REPORT UPDATE

Noelle reported that \$1050 was open for collection to bring the budget to a zero sum.

Action Request: [Dennis Brophy] Have Accellera report to Noelle on the payments still outstanding, if any.

Action Request: [Shrenik Mehta] Support the public relations of SystemVerilog via other public events at DAC and report back to the group.

8 BALLOT STATUS UPDATE FOR SYSTEMVERILOG AND VERILOG

Johny sent a summary of the ballot to the p1800 group. There were about 300 issues for P1800 and about 40 issues for P1364.

Ballot Summary: <http://www.eda.org/sv-ieee1800/hm/0330.html>

Issues: http://www.eda.org/sv/sv-champions/P1800_Ballot_Cmts_Compiled-03_28.xls

9 DETAILED STATUS UPDATE ON SYSTEMVERILOG & VERILOG BALLOT ISSUES RESOLUTION AS WERE PROCESS BY THE CHAMPIONS AND TECHNICAL COMMITTEES

a. Discussion, Voting and Ratification of ballot issues – by P1800 voting WG members

Issues for consideration: http://www.eda.org/sv/sv-champions/Resolved_Issues_05_04_15.htm

Champion Recommendations: http://www.eda.org/sv/sv-champions/minutes/sv-champ_05_04_15.txt

A motion (Karen Pieper, Oz Levia) was made Mantis 297 is not a bug. The motion passed unanimously.

337, 338 & 339 are here since the SV-CC vote could not be determined.

A motion (Karen Pieper, Stu Sutherland) was made to close Mantis items 337, 338 & 379 as not a bug. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to close Mantis 448 as a duplicate of 452. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 660 to make 20.1 normative. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 534. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 382. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 554 and 641. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 628. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 634. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 649. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 615. The motion passed unanimously. (See 662 for the other Mantis item on this.)

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 432. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 433, 585, 586. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to send Mantis 422 back to SV-CC. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to send Mantis 624 back to the SV-BC. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to send back Mantis 415 to the SV-CC. The motion passed unanimously.

Action Request: [Charles Dawson] Update the 415 with a proposal.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 679. The motion passed unanimously.

A motion (Karen Pieper, Victor Berman) was made to accept Mantis 644. The motion passed unanimously.

Action Request: [Karen Pieper] Follow-up with SV-CC to address VPI issues from 644 approval.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 646. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 647. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 617. The motion passed unanimously.

Action Request: [Karen Pieper] Follow-up with SV-CC to address VPI issues from 617.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 675. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept Mantis 657 to allow it to be within a module and UDP declaration. The motion passed unanimously.

Action Request: [Karen Pieper] Update the Mantis item so the complete text is in place for the editor.

A motion (Karen Pieper, Stu Sutherland) was made to accept spreadsheet items from lines 30 to 140 that were unanimous by the committees and the champions group. The motion passed unanimously.

A motion (Karen Pieper, Stu Sutherland) was made to accept SCC 14 comment, but to have it placed in the 1364 specification by the editor. The motion passed unanimously.

11 INCORPORATION OF APPROVE BALLOT ISSUES TO SYSTEMVERILOG AND VERILOG DRAFTS

The statement of work for the recirculation was 60 hours. Stu thinks that 160 hours is a better estimate of the work that is left to be done. A dollar amount for this work was determined.

Action Request: [Dennis Brophy / Shrenik Mehta] Go back to Accellera to determine if it can support an additional \$4K for editing costs. Also, Accellera should discuss ongoing support beyond this current revision of the specification.

12 DISCUSSION AND DECISION ON TECHNICAL COMMITTEES WORK AND OPERATION

a. Short term: during the ballot review processes

Karen presented the committee status on resolution of comments by SV-AC, SV-BC, SV-CC and SV-EC. Not all issues have been addressed. Only the SV-AC is done. Karen reviewed the additional time requested by the technical committees.

The added time needed to address issues requires some changes to the short-term schedule. The working group agrees to the following schedule modification:

May 2 – Champions meetings – whatever is passed at that point is addressed
May 5 – SystemVerilog WG teleconference to reconvene is meeting
May 9 – Champions meeting – address all other outstanding issues
May 11 – Champions meeting (SV-CC follow-on)
May 19 – SystemVerilog WG meeting to approved final technical items
May 24 – Final Draft available
May 27 – Review comments on Final Draft due
May 31 – Second Ballot LRMs Done
June 2 – Approve ballot recirculation start

Action Request: [Noelle Humenick / Johnny Srouji] Update the official schedule based on the changes above.

Action Request: [Karen Pieper / Johnny Srouji] Communicate to the technical sub-groups how to get copies of the drafts to review. There will be a password version at eda.org and a password-free version behind the IEEE password protected site for WG members-only. Johnny will authorize those who need access on the eda.org.

All positive vote issues that resulted in a change to the document will be noted in the recirculation ballot package spreadsheet along with the mandatory resolution to the negative ballot issues. Any positive ballot comments that were not addressed will not be made part of the recirculation ballot package.

b. Mid term: until SystemVerilog and Verilog-2005 are approved by IEEE

We will delay discussion until a future meeting. The current structure will be maintained for now. Vassilios offered to have Accellera host the eventual discussion site when needed to support the eda.org transition.

c. Long term: after the IEEE approval

No discussion.

13 REVIEW, MODIFICATION & TRACKING OF P1800 WG SCHEDULE

a. Solidify detailed plans, issues and actions for P1800 LRM draft readiness for RevCom

An updated schedule was built using the short-term schedule modifications above. The updated schedule will be posted by Noelle or Johny.

14 NEW BUSINESS

None.

15 NEXT MEETING

5 May 2005

Teleconference, resumption of this meeting

8 am – 10 am PDT

19 May 2005

Mentor Graphics

San Jose, CA

9:00 am – 3 pm PDT

2 June 2005

Teleconference

8 am – 10 am PDT

16 ADJOURNMENT

A motion (Victor Berman, Stu Sutherland) was made to suspend the meeting until 8:00 am on 5 May 2005 where we will reconvene in a teleconference to continue a discussion to approve resolution as were processed by the champions and technical committees.

Meeting was suspended at 2:35 pm CDT pending full address of the technical issues by the technical sub-groups.