

IEEE P1800 SystemVerilog Working Group
UNAPPROVED MINUTES
26 January 2005
10:30 a.m. – 5:00 p.m. JST
Cadence Design Systems
Yokohama, Japan

1 CALL TO ORDER

Secretary Brophy called the meeting to order 10:40 am.

Introductions offered and attendance was taken of the participants. DR/DRA status, affiliations, guest and staff status was determined and recorded.

The full IEEE P1800 SystemVerilog Working Group Roster with attendance history including this meeting can be found on eda.org.

[Download Roster](#)

2 APPROVAL OF AGENDA

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

3 CALL FOR PATENTS

IEEE Patent slides were read and presented to the team by Secretary Brophy. The patent slides can be found at the IEEE-SA PatCom website.

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

4 APPROVAL OF 15 DECEMBER 2004 MEETING MINUTES

Modifications proposed to the 15 December 2004 minutes were discussed and were made.

5 APPROVAL OF 05 JANUARY 2005 MEETING MINUTES

No modifications were proposed to the 05 January 2005 minutes.

A motion (Oz Levia, Stu Sutherland) was made to approve both meeting minutes. The motion was passed unanimously.

6 PRESENTATION BY JEITA

A presentation by JEITA to the SystemVerilog WG was given to show the organization of the group and relationship to standards bodies with which they interact. The presentation was planned for the IEEE Computer Society DASC meeting, but due to cancellation of that meeting, it was shown here.

[Download JEITA Presentation](#)

7 ACTION ITEM REVIEW AND FOLLOW-UP

No updated Action Item list was sent prior to the beginning of the meeting and this review is postponed until it is made available.

8 STATUS UPDATE ON MEMBERS AND STATUS

Secretary Brophy reported on attendance and payment status for members. From this list it was noted that three entities listed in the roster have lost membership rights due to a failure to participate in sufficient working group meetings. Notices to those three companies were sent by Chair Srouji a few weeks back.

[Attendance](#) and [Roster](#) information can be downloaded for details.

9 P1800 FINANCIAL REPORT UPDATE

Secretary Brophy reported that the two purchase orders outstanding were paid and funds were forwarded to the IEEE. Also, invoices for the 15 February 2005 payments were sent out by Accellera and we are now waiting for these payments to forward to the IEEE as they come in.

10 STATUS UPDATE ON 1364 ERRATA AND ENCRYPTION SUB-GROUPS

Neil Korpusik, co-chair of the 1364 sub-group indicated that from the ETF, there was only a minor clarification was forwarded. Shalom had indicated that there need to be a new clause (new Clause 2) which would refer to other standards. This is required by the IEEE-SA style guide. Since this other clauses get renumber, a proposal was made to combine the existing clauses 10 and 11, task and functions and disabling of named blocks, could reduce wholesale changes to all clause numbers. Today, the cross references are not automatic across 1364 and 1800 that motivates this action. Karen's report will have more information on this – and a discussion of a typo, or misused work correction that she would like passed by the SV WG.

The ETF would like to note that it believes it is done with respect to this release and there are no other issues which need to be passed. Shalom has a few issues with the encryption part of the standard and he is working directly with the encryption chair. Clause 28 was added to the LRM along with Annex H to support encryption.

11 STATUS UPDATE FROM SYSTEMVERILOG TECHNICAL COMMITTEES AND CHAMPIONS SUBGROUP

Karen gave her presentation on the status.

[Download Karen's presentation.](#)

Action Request: [Karen Pieper] Work with Charles to get permissions to them to allow them to change status on some issues.

From Stu, some of the 19 issues which were highlighted as editorial mistakes also included other issues. Sometimes when he looked at the approved changes, he noted that they would also see additional

changes that should have been part of the initial editing request. These should not have been caught now but they are. And not going through an official approval process is an issue.

There are two issues for SV WG, 254 and 76 which should have had these issues sent back to the BC to take action. In 254, in looking at aggregate constructors, there are issues with them being used on ports. For 76, “.*” they are using “matching” and later the LRM defines “matching.” The group is not sure if this is the definition of matching they want to use. Maybe matching needs to be overloaded from the current definition to make it be what it should be. And finally, there has not been enough time for review of data types and maybe this need more time to review.

A motion (Oz Levia, Stu Sutherland) was made to allow the editor to make editorial changes that do not change the intent of a resolution. The motion passed unanimously.

A report on the EC show they are just about done.

For the CC, several issues have been passed since the last SV WG meeting and there still needs to be a resolution to issue 353.

At the time of this meeting, there are no issues reviewed by the AC. The chair has been asked to offer feedback review.

12 STATUS UPDATE OF IEEE SYSTEMVERILOG LRM AND ISSUES THAT WERE INCORPORATED INTO DRAFT 3.0

Everything we have passed to date is in Draft 3 of the LRM.

12 A. RATIFICATION OF ISSUES THAT ARE IN THE PIPELINE

A motion (Stu Sutherland, Victor Berman) was made to approve all issues presented (333, 052 & V-643). The motion passed unanimously.

There are issues with sv_vpi_user.h as found by Stu. The champions now have addressed all issues.

A motion (Victor Berman, Stu Sutherland) was made to approve issue 353. The motion passed unanimously.

There were two issues in the ETF that have not gone through the champions group but are straightforward

Action Request: [Karen Pieper] Create issue number for the two ETF issues presented in her presentation to the group so they can be tracked. (Karen reported prior to meeting suspense that she created issues V-647 and V-648 to track these issues.)

A motion was made (Stu Sutherland, Victor Berman) to approve the two ETF editing issues, V-647 and V-648, as shown in Karen’s presentation. The motion passed unanimously.

Karen reported that there is a schedule risk since meetings are spaced too far apart. We should plan for a SV WG teleconference in two weeks to pass any issues passed by the committee. This meeting will be suspended to address this and other business not considered at this meeting at that date.

Action Request: [Karen Pieper] Review intro clauses that are labeled informative to ensure that they can be made normative. Done.

A motion was made (Victor Berman, Cliff Cummings) to change clause intros into notes. The motion passed unanimously.

13 REVIEW BALLOT STATUS IN TERMS OF: SYSTEMVERILOG AND VERILOG DRAFTS; INVITATIONS FOR BALLOT; PROCESSES; REQUIRED PREPARATIONS AND MORE

Noelle reported yesterday via email to the group. P1800 D3 was sent 16 Jan 2005 a few days late. IEEE Editorial review started a little late. Editorial was given a new due date of 20 January vs. 14 January due to lack of copy of the spec. Editorial coordination is now done. If the committee reviewed it, then we are on schedule. Johnny approved the 2 day deviation.

There are three primary risks:

- (1) Too many additions/changes in the draft for the writer in the specified timeframe. Stu should confirm his delivery dates to be realistic.
- (2) Non-payment of fees which could risk access to IEEE staff and technical writer.
- (3) Risk to schedule if we open comments to a group much larger than those now participating. We could get comments from new entities which further delays the process. We should not allow those who now review the work to conflict with the schedule.

Status of the ballot registration was given by Noelle:

Registered: Mentor (General), Synopsys (Producer), Intel (User), Cadence (Producer), Accellera (General) Sutherland (User), IBM (User), Synplicity (User)

Outstanding Requests – Fintronics, Infineon, Broadcom, Sunburst Design (General), Arm, JEITA (General), Blue Spec (Producer)

Interest categories were discussed and that they needed to be tracked and administered.

Action Request: [Victor Berman] Victor to track category classification in coordination with Chair Srouji.

Action Request: [Noelle Humenick] Send PDF version of application to Neil Korpusik, Cliff Cummings and Rishiyur Nikhil.

Action Request: [Dennis Brophy] Send email address to Noelle for Hamaguchi-san so she can be sent a notice to join the ballot group. Hamaguchi-san's email address is: hamaguchi.kasumi@jp.panasonic.com.

14 REVIEW, MODIFICATION & TRACKING OF P1800 WG SCHEDULE

It should be noted that the P1364 document will circulate concurrently with P1800 and that Noelle is not the one fostering it though the IEEE.

15 REVIEW, MODIFICATION & TRACKING OF P1800 WG SCHEDULE

Noelle reviewed the schedule. We updated some of the dates based on the 4 February 2005 meeting continuation date.

[Download updated schedule.](#)

Action Request: [Dennis Brophy] Send out reminder of the 17 February 2005 meeting.

Action Request: [Noelle Humenick] Copy Victor on press release conversation with Johny.

16 NEW BUSINESS

a. DISCUSS AND APPROVE OUTSTANDING TECHNICAL ISSUES

This business was not discussed and deferred to resumption of meeting on 4 February 2005.

b. REVIEW PRESS RELEASE FOR 14 FEBRUARY 2005 RELEASE (Victor)

This business was not discussed and deferred to resumption of meeting on 4 February 2005.

17 NEXT MEETING

Date: 4 February 2005

Location: Teleconference at 8:00 am PST

Date: 17 February 2005

Host: Synopsys

Location: Mountain View, CA USA

Date: 11 March 2005

Host: Hotel

Location: Munich, GE

Date: 19 April 2005

Host: TBD

Location: TBD

18 Adjournment

A motion (Cliff Cummings, Victor Berman) was made to suspend the meeting until 4 February 2005 and to reconvene telephonically at 8:00 am PST. The motion was passed unanimously.